COLLABORATIONS:
Global & Local

“If you have an apple and I have an apple and we exchange these apples then you and I will still each have one apple. But if you have an idea and I have an idea and we exchange these ideas, then each of us will have two ideas.”

George Bernard Shaw
Collaborations: Global & Local

4 Message from the Herman Robert Fox Dean
Dr. Charles N. Bertolami

16 Welcome to the World: The NYU Global Network University
Dr. Robert Berne

20 Eileen Sullivan-Marx, Dean, NYU College of Nursing:
“Making Our Vision Visible”

24 The Global Institute of Public Health: “In and of the Schools
and Colleges of NYU”
Dr. Cheryl G. Healton

27 “The NYU Experience: Interprofessional Collaboration
Involving Nursing and Dental Hygiene” — Featured at
University of Maryland Conference

28 Surgical Team Led by Dr. Eduardo D. Rodriguez, ’92, Performs
Most Extensive Face Transplant in History

34 Research in Focus
NYUCD Sponsors First Translational Orthodontic Research
Symposium

35 Center for Skeletal and Craniofacial Biology Hosts First
Annual Retreat

36 The Potential of Psilocybin to Alleviate Psychological and
Spiritual Distress in Cancer Patients Is Revealed

38 Sara Hinds, ’15, Wins Second Place in ADA/Dentsply
Student Clinician Research Program, Basic Science
Competition
Rory Chong, ’15, Receives Hinman Research Award

39 NYUCD’s Dr. Juhee Jeong Is Selected by American
Association of Anatomists for Its 2013 YAPA Award

40 Cover of The Journal of Neuroscience Features Article by
Bluestone Center Scientists

41 IADR Honors NYUCD Researchers with Journal of Dental
Research “Cover of the Year Award”

42 Research Days Feature Dr. William Maixner and 31 Prize-
Winning Students

44 Recruiting the Best

50 Promoting Our Own

58 International Partners in Health
Creating a Sustainable Oral Healthcare Model: An Update on
the NYUCD-Henry Schein Cares Global Student Outreach to
Grenada Stephanie Susnjara

62 NYUCD Launches Ecuador Outreach Program
Barbara Kancelbaum

66 NYUCD Collaboration with Royal College of Surgeons in Ireland
Provides Unique Opportunity for Prestigious International
Specialty Credential
Barbara Kancelbaum

68 East Meets West: International Programs Faculty and Alumni
Reunite in Malaysia and Thailand

69 Focus on International Faculty
NYUCD’s International Visiting Scholars: Advancing Clinical Care
through Innovative Research
72 Grants and Philanthropy
Major Gift from Septodont Creates Septodont Lecture Hall at NYU College of Dentistry

74 Healthplex Gift Will Expand Global Student Outreach

75 NYUCD Awarded CTSI Grant to Develop Cancer Survivor Caregiver Support Program for NYC’s Korean Community
Dr. Raveis is Co-Investigator on Additional CTSI Grant to Evaluate Elderly at Risk of Falling

76 Dr. Mary Northridge Awarded $3.7 Million NIH Grant to Study How Older Adults Access Oral Health Care in Underserved Urban Communities

78 Drs. Scott Friedman & Efrain Zak Atrium and Dr. Scott Friedman Residents’ Conference Room Named

80 NYU College of Dentistry’s Dr. Brian L. Schmidt and Forsyth Institute’s Dr. Markus Hardt Share NIH Grant to Collaborate with Informationists

82 NYUCN’s Dr. Joyce K. Anastasi Awarded $2.5M by NIH to Study Irritable Bowel Syndrome Symptom Management Using Acupuncture/Moxibustion

83 NYU Bluestone Researchers Receive Muriel and Virginia Pless Center for Nursing Pilot Award

84 NYUCN’s Dr. Sheila Strauss Awarded Two-Year NIH Grant for “Novel Interdisciplinary Intra-Oral Diabetes Screening in Dental Patients”

85 Dr. Chi Tonglien Viet Receives Oral and Maxillofacial Surgery Foundation Grant and American Head and Neck Surgery Best Resident Basic Science Paper Award

86 Dr. Boopakorn Pattaraegaatipong and Dr. Heba Elkassaby are Litvak Fellowship Recipients

87 NYU’s College of Dentistry and School of Medicine Receive a Four-Year, $840,864 Collaborative Grant from the Lustgarten Foundation

88 NYU Dental Researcher Awarded $1.9 Million NIH Grant to Test New Glass-Zirconia Composite Crown

89 NYUCD in the News

94 News from the Colleges
Building Our Future: Construction on Target for Opening of New Building at 433 First Avenue

97 Dr. Ralph Katz to Step Down as Chair of Epidemiology and Health Promotion

98 NYUCD Partnership with Foster Care Agency Improves Child Health, Aids Student Training

99 Inaugural Issue of NYUCD’s Journal of the Academy of Distinguished Educators Online Now

100 Dean’s Colloquia Feature a Nobel Prize Winner and a Former NASA Astronaut

102 NYC Council Member Jumaane D. Williams Welcomes Smiling Faces, Going Places to Brooklyn School

NYUCD Students Sweep Aesthetics Awards Competitions, Raise Funds to “Give Back a Smile”

103 Smigel Prize Presented to Dr. George Freedman

104 Celebrating Our Community
Full-Page New York Times Ad Celebrates NYUCD Faculty

105 “Serious Fun” Is Theme of Clinical Operations Staff Retreat

106 Academy of Distinguished Educators Inducts New Members

107 William J. Gies, Facilitator of the Merger of New York College of Dentistry with New York University

108 Rebekah Browder, ’14, DDS Program: “I’m an NYU Lifer”

112 Jennifer Hynes, ’13, BS in Dental Hygiene: Marathon Woman

114 Q&A with Dr. Scott Podell: What Sports Coaches Can Teach Educators about Helping Dental Students to Succeed

118 The Rewards of Embracing Risk

119 New York Society of Forensic Dentistry Award Presented to NYUCD

120 President’s Service Awards Recognize NYUCD Students and Student Organizations

121 Eighth Annual NYU-Led Oral Cancer Awareness Walk Raises More than $50,000 to Help Stamp Out Oral Cancer

122 Jubilant Graduates, Families, and Friends, and Alumni Who Pioneered World’s First Full-Face Transplant Highlight Graduation 2013

124 2013 Service Awards Recognize Faculty and Staff

127 Congratulations to...

139 Focus on Alumni
Alumni in the Spotlight

140 Alumni Association Gala for 2012–13 Officers and Directors

141 Dr. Dominick P. DePaola, ’69, Illustrious NYUCD Alumnus, In Our Hearts and Thoughts Forever

142 In Remembrance
NYUCD Mourns the Passing of Drs. Robert S. Schoor, Mitchell S. Pines, and Racquel Z. LeGeros

144 Honor Roll of Donors
Drivers of Collaboration: People
This issue of *Global Health Nexus* highlights NYUCD’s educational, research, and service collaborations at the global and local levels. It is inspired by the exciting project known as the NYU Global Network University (GNU). The GNU allows students and faculty to gather in a set of key locales around the globe to forge new ideas, advance the questions we ask about the world, and create solutions for the problems that beset us all. As NYU President John Sexton, the chief architect of this model, puts it, “The NYU Global Network University is both ‘in and of the city’ and ‘in and of the world.’” The arresting term that he has coined to describe the global citizen’s outlook that NYU seeks to nurture is “glocal.”
The core strength of the GNU is collaboration. Part of NYU’s teaching mission consists of preparing students for lives in a diverse world, and our faculty believes that such preparation is most effective through collaboration. Our relationship to New York City, the diversity of thought represented by all of our schools, colleges, and programs, and our internationally connected and collaborative faculty—enable students and faculty alike to broaden the scope and vision of knowledge through interdisciplinary and interprofessional learning in order to make a real difference in the world. Given the global reach of NYU’s collaborations, it’s not surprising that, in 2012, NYUCD submitted 76 collaborative research proposals, of which 23 had grant collaborators outside of NYUCD. Collaboration, in short, is at the heart of modern biological research, service, and education.

NYUCD’s current activities and future potential in this area are immense, thanks to a wide range of outstanding drivers of collaboration—the people, places, and programs—that are making NYUCD and its key partner, the College of Nursing (NYUCN), a significant part of the GNU. In the pages that follow, you will find an article by Dr. Eileen Sullivan-Marx, dean of the College of Nursing, outlining NYUCN’s vision for the role it seeks to play in the GNU and detailing the impressive collaborations currently in progress with NYUCD. In addition to hearing from Dean Sullivan-Marx, you will also hear from both Dr. Robert Berne, NYU’s executive vice president for health, and Dr. Cheryl Healton, the inaugural director of the NYU Global Institute of Public Health, about their visions for the NYU Global Network University and the ways in which it is expanding and enriching academic life at NYU.

Following is a sampling of pivotal “glocal” collaborations in which NYUCD is playing a leadership role.

"Part of NYU’s teaching mission consists of preparing students for lives in a diverse world, and our faculty believes that such preparation is most effective through collaboration."
NYU AD—NYU POLY IN ABU DHABI

Founded in 2010, NYU Abu Dhabi (NYUAD) is the first comprehensive liberal arts and science campus in the Middle East to be operated by a major American research university, offering a complete NYU education to undergraduates outside of New York City and from around the world and creating another "portal" campus to gain access to NYU. A key component of NYU Abu Dhabi is its research center, the NYU Abu Dhabi Institute, which is central to NYU’s growing networks of collaboration.

NYUCD has already participated in a variety of teaching and research activities in collaboration with the NYU Abu Dhabi Institute. In January, NYUCD’s Dr. Paulo G. Coelho, associate professor of biomaterials and biomimetics, and Dr. Nick Tovar, postdoctoral associate in the Department of Biomaterials and Biomimetics, presented an on-site, immersive, didactic, and laboratory-based engineering materials course to NYUAD engineering students. The course presented different classes of engineering materials and their properties, plus physicochemical characterization and applications.

In 2012, NYUCD submitted 76 collaborative research proposals, of which 23 had grant collaborators outside of NYUCD. Collaboration, in short, is at the heart of modern biological research, service, and education.

Examples of team science conducted by investigators at NYUCD, NYU-Poly, and NYU Abu Dhabi: 3-Dimensional scaffold composed of hydroxyapatite (15%) and beta-tricalcium phosphate (85%) for the repair of long bone defects (clockwise from top left): (a) 10 mm scaffold model drawn using RoboCAD 4.0 software (b) Scaffold after sintering at 1100°C (c) Histological cross-section of scaffold after four weeks in rabbit radius (d) MicroCT cross-section of scaffold after four weeks in rabbit radius
Analysis of laboratory findings obtained in preclinical studies can subsequently lead to clinical trials at the NYU Bluestone Center for Clinical Research, which shares many of its facilities with the NYU Oral Cancer Center.

Additional invited lecturers included Dr. Michael D. Ward, the Silver professor and chair of the NYU Department of Chemistry and the director of the Molecular Design Institute at NYU, and NYU’s Dr. Timothy Bromage, professor of biomaterials and biomimetics and the director of the Hard Tissue Research Unit, who presented courses on crystallography and electron microscopy, respectively.

In coming months, Drs. Coelho and Tovar will be collaborating with faculty at the NYUAD divisions of Science and of Engineering, as well as with faculty at the Courant Institute of Mathematical Sciences and at NYU-Polytechnic in New York. Dr. Coelho has also been working with the NYU Department of Chemistry and the National Science Foundation-funded Materials Research Science and Engineering Center (MRSEC), where multiple interdisciplinary groups aim to improve the synthesis, structure, and properties of innovative materials. Also, Drs. Coelho and Nikhil Gupta, a materials scientist in the Mechanical and Aerospace Engineering Department at NYU-Polytechnic, are teaming up on a design for military armor that would be more resistant to improvised explosive devices, such as roadside bombs that have wounded soldiers in Iraq and Afghanistan.

Bluestone Center for Clinical Research

NYUCD’s Bluestone Center for Clinical Research, an academic Contract Research Organization (CRO), under the leadership of Dr. Brian Schmidt, director of the Bluestone Center and professor of oral and maxillofacial surgery, exemplifies collaborative or “team science.” The Bluestone Center is engaged in a wide range of clinical research collaborations in medicine and dentistry.

Bluestone Center collaborators include research centers both within NYU and beyond. Within NYU, the Bluestone Center is collaborating with the Langone Medical Center, the School of Medicine, and the Department of Chemistry. External collaborators include the University of California, San Francisco, the University of Pittsburgh, the University of Texas Health Science Center at San Antonio, the University of Buffalo, the University of Sheffield in England, the University of Michigan, the University of Lisbon, Unimontes University in Brazil, the University of Florida, the Forsyth Institute, and Rice University. The Bluestone Center is currently in the process of forging partnerships with the NYU Abu Dhabi Institute and with a major research institute in Saudi Arabia.

A key example of the Bluestone Center’s collaborative model is the psilocybin study, which began in 2010. A partnership between the NYU School of Medicine and the Bluestone Center, this pilot study seeks to investigate the potential therapeutic efficacy of the psychoactive agent, psilocybin, on the anxiety, psychosocial distress, and spiritual suffering associated with a diagnosis of advanced-stage cancer. NYU is one of three sites in the US conducting similar studies. The other two sites are the Johns Hopkins University School of Medicine and the UCLA David Geffen School of Medicine.

NYU Oral Cancer Center

Clinicians and scientists at the NYU Oral Cancer Center, also directed by Dr. Brian Schmidt, work passionately to diagnose, treat, and study oral cancer. Every year, approximately 40,000 people in the US and 500,000 people worldwide are diagnosed with oral cancer; almost half will succumb to the disease within five years of diagnosis. Because many oral cancer patients cannot be cured, the NYU Oral Cancer Center is developing and clinically evaluating drugs to treat the debilitating symptoms associated with oral cancer.

NYU Oral Cancer Center clinicians provide comprehensive treatment for oral cancer, including surgery, reconstruction, radiation therapy, chemotherapy, and
Dr. Brian Schmidt, far right, with members of the Bluestone Center team, and some of the logos of institutions currently collaborating with the Bluestone Center.
psychological care. They also seek to rapidly translate scientific discoveries made in NYUCD’s Cancer Pain Laboratory into new pharmacologic approaches to treating cancer symptoms. Analysis of laboratory findings obtained in preclinical studies can subsequently lead to clinical trials at the NYU Bluestone Center for Clinical Research, which shares many of its facilities with the NYU Oral Cancer Center.

NYU Oral Cancer Center clinicians and scientists endeavor to unravel the underlying cause of oral symptoms related to oral cancer as well as oral complications related to chemotherapeutic regimens used to treat many different types of cancer. Ultimately, they seek to attenuate or eliminate pain in patients suffering from all forms of cancer.

To close the gap between research discoveries and better patient outcomes, the NYU Oral Cancer Center houses investigators and clinicians in the same facility and fosters collaboration between individuals with diverse and complementary expertise. Partners include experts in cancer research and care from the NYU Cancer Institute, NYU Langone Medical Center, NYU School of Medicine, NYU College of Dentistry, NYU College of Nursing, NYU Steinhardt School of Culture, Education, and Human Development, and NYU Courant Institute for Mathematical Sciences. As part of NYU’s Global Network University (GNU), the NYU Oral Cancer Center also encourages collaborations with research sites abroad, including the NYU Abu Dhabi Institute.

**RAPID SCREENING METHODS FOR DIAGNOSIS OF HIV, MALARIA, AND TUBERCULOSIS**

Dr. Daniel Malamud, a world leader in detecting and preventing the spread of viruses by using salivary diagnostics, is collaborating with the National Institute of Dental and Craniofacial Research (NIDCR), the University of Pennsylvania School of Engineering and Applied Science, Lehigh University, and the Leiden University Medical Center to develop and validate new technologies for saliva-based diagnostics of viruses including HIV, HCV (hepatitis C), and HPV (the human papillomavirus).
Dr. Malamud, a professor of basic science and craniofacial biology and the director of the HIV/AIDS Research Program at NYUCD, has received FDA approval for a POC (point-of-care) device, OraQuick ADVANCE® Rapid HIV-1/2 Antibody Test, which enables a dentist to collect oral fluid with a swab and place it directly into a developing solution in the device; after 20 minutes, the dentist can visualize the results.

In addition to these investigations, Dr. Malamud and his team are doing groundbreaking work to develop a smart chip which can immediately detect a person’s exposure to the virus, thus providing a rapid intervention system which can save the lives of people who otherwise would have died of malaria in Africa and other parts of the world. The premise of their research is that if a person’s HIV status can be detected instantly using this smart-chip device, the person can be treated quickly using an HIV antiviral therapy before secondary effects, such as contagion, malaria, and tuberculosis, can set in.

Using the Fossil Record in Understanding Human Evolution

NYUCD paleoanthropologist Dr. Timothy Bromage, professor of biomaterials and biomimetics, is championing a new field of research that he is calling “human paleobiomics,” which represents a new direction in the field of human evolution. An early result of the human paleobiomics initiative was the discovery in 2010 of a 2.5-million-year-old ancestral human tooth in Malawi by Dr. Bromage and several collaborators. Dr. Bromage is currently working with an array of collaborating institutions to uncover connections between bone and tooth microstructure and the development, physiology, and metabolism of ancestral humans in different geographic

“An early result of the human paleobiomics initiative was the discovery in 2010 of a 2.5-million-year-old ancestral human tooth in Malawi by Dr. Bromage and several collaborators.”
and climate zones. They include the Ostrow School of Dentistry at the University of Southern California, the Hull York Medical School in England, the University of the Witwatersrand in Johannesburg, the National Museums of Kenya, and the Spanish National Research Centre for Human Evolution (CENIEH) in Burgos, Spain (on the evolution of the human face); Cyprus International University in Greece and Newcastle University in England (on enamel research into the evolution of body size); the Melbourne Dental School in Australia (on bone cell distributions and bone life history); and Barts and The London Institute of Dentistry and Zeiss Opto-Electronics in Germany (on research into new possibilities of contrast formation using the scanning electron microscope (SEM).

Dr. Bromage is also conducting research on the reconstruction of mountain gorilla life history from bone and tooth microanatomy with collaborators at Rwanda National Parks, the Dian Fossey Gorilla Fund International, in Rwanda, and the George Washington University in Washington, DC, and on leptin evolution of high-altitude, cold-adapted pika from the Tibetan Plateau with the Hebei Medical University in China.

**STUDENT SERVICE, EDUCATION, AND RESEARCH AROUND THE WORLD**

For over 20 years, NYUCD has provided the nation’s most extensive oral health outreach programs for New York City schoolchildren, the elderly, people with disabilities, and other underserved populations. More recently, NYUCD has built an exemplary global outreach model that provides participants with a unique service-learning experience, opportunities to conduct critically needed research, and an increased awareness of access-to-care issues, while fostering a passion for volunteerism and social responsibility. Participants on these outreachs speak of being challenged to rethink their roles as healthcare providers, and describe their experiences as “transformative.” Equally important, the communities served by these programs are empowered by NYUCD’s outreach model as sustainable oral health services become a reality. This program is led by Dr. Stuart M. Hirsch, vice dean for international initiatives and development, and Ms. Rachel Hill, director of global outreach and international initiatives.

In the past year NYUCD conducted 15 weeks of outreach to medically underserved areas both in the United States and overseas. Many of these are multiyear programs. Approximately 200 pre- and postdoctoral dental students, dental hygiene students, and NYUCD faculty, staff, and alumni participated in these outreachs. Current international outreach sites include Manta, Ecuador; Grenada, West Indies; and La Preciosita, Mexico. Within the United States, students have provided care and conducted research in Hudson, New York; Machias, Maine; and several villages in Alaska. Past pro-

"Each program is unique unto itself, yet all share the goals of service, education, and research, while simultaneously fostering local collaborations for sustainability, both in care and in finances."
grams have been conducted in the Dominican Republic, India, Jamaica, Honduras, Tanzania, and Nicaragua. New outreach sites to be visited next year include Kathmandu, Nepal, and Granada, Nicaragua.

These programs provide free dental services to populations facing barriers to oral health care, including a dearth of dental providers, economic hardship, and inadequate health insurance coverage. Each program is unique unto itself, yet all share the goals of service, education, and research, while simultaneously fostering local collaborations for sustainability, both in care and in finances. Partnerships with local organizations, local healthcare providers, and US corporations help to ensure the continuation of preventive services once NYUCD leaves. Our corporate partners include Henry Schein Cares, Colgate, GC America, Northeast Delta Dental, and, most recently, Healthplex (see story on p. 74). In the process, NYUCD is fulfilling its vision to become the dental institution with the greatest impact globally on the health of society. To view videos of students gaining a global perspective on healthcare needs, go to www.nyu.edu/dental and click on “Global Travel Opportunities for Students” in the lower-left corner.

**COLLABORATION COMES IN MANY AND VARIED FORMS**

Let me note a few additional examples of innovative collaborations. One is the NYUCD/Cochrane Collaboration. This partnership makes NYUCD the first North American training site for The Cochrane Oral Health Group Global Alliance, which provides a framework for conducting literature reviews that are recognized internationally as the gold standard in evidence-based health care. Through this partnership, NYUCD and NYUCN faculty members are gaining expertise in conducting systematic reviews of the scientific literature related to oral health.

At the local level, a recent collaboration occurred between NYUCD’s Department of Pediatric Dentistry and the Columbia University College of Dental Medicine to promote the link between good nutrition and pediatric oral health. The outcome is a video titled “Multidisciplinary Approaches to Children’s Oral Health (MATCH).”

Another notable recent collaboration was a presentation at the University of Maryland School of Nursing on “The Oral-Systemic Link: Creating Collaborative
Initiatives,” by Dr. Cheryl Westphal Theile of NYUCD and Dr. Judith Haber of NYUCN. (See story on p. 27). An article featuring Dr. Eduardo D. Rodriguez, a 1992 NYUCD graduate who led the surgical team that performed the most extensive face transplantation and reconstruction in history, further exemplifies the power of team science.

At NYUCD, we are very excited about our role in the GNU and, in particular, about how exponentially more powerful we are together than apart. As you read this issue of Global Health Nexus, I hope that you will feel the depth of NYUCD’s commitment to bringing people and organizations together around common goals to achieve something much larger than any one individual or organization could accomplish by itself.

A NOTE OF GRATITUDE FOR THE COLLABORATIVE EFFORTS OF OUR FACULTY, STUDENTS, AND STAFF IN THE AFTERMATH OF HURRICANE SANDY

Just as teamwork is a key element in the scientific and treatment efforts of NYUCD clinicians, researchers, and students, so too did teamwork play an important role in helping NYUCD to meet the challenges of Hurricane Sandy. After being closed for a week during the super-storm, NYUCD reopened to students, faculty, staff, and patients on November 5th, having avoided the extensive damage incurred by our neighbors, the Veterans Administration Medical Center, Bellevue Hospital Center, and NYU’s Langone Medical Center. In fact, the VA Medical Center was so badly flooded that it remained closed until late March. During that period our dental students did not have access to the Waldmann Dental Library, which was housed in the VA, and NYUCD had to relocate a number of faculty members who had been occupying VA offices. NYUCD also provided clinical services to VA patients who could not be treated at the VA Medical Center.

Specific people and their teams deserve special gratitude. Standing for all the remarkable people in our community who were at their best throughout the crisis were Vice Dean for Research Dr. Louis Terracio, who was here throughout the week of the closing with members of his research team trying to save research samples by embedding them in dry ice; facilities manager John Huff, who remained at NYUCD day and night to secure the building and make sure that we would be ready to reopen when power returned; the entire public safety crew, which provided security throughout the shutdown; and Chief Information Officer Ken Fauerbach and his team, who assured a methodical shutdown of our information systems and an equally methodical powering up through our reopening. I also want to pay tribute to faculty members Dr. Patricia Corby, assistant professor of periodontology and implant dentistry and associate director of the Bluestone Center, and Dr. John Dolan, assistant professor of orthodontics, who went above and beyond the call of duty in their efforts to maintain the functioning of the Bluestone Center. Special thanks are due also to our chartroom staff team, many of whose members came in to work despite the official closing and in the face of dangerous travel conditions to make sure that we would be up and running on November 5th.

Dr. John Dolan and Dr. Bill Abrams try to save research samples using dry ice during Hurricane Sandy.
Moreover, even as Hurricane Sandy left NYUCD and much of New York and New Jersey without power last fall, NYU dental students and faculty did not pull the plug on efforts to be in the Maine community of Machias on November 5th to provide free dental care to the underserved community living there. Working in the dark at NYUCD in the days following the storm, with many volunteers wearing headlights, the outreach team packed up the supplies they would need and headed to Maine for their annual weeklong outreach.

Our students also deserve praise for volunteering at shelters, assisting victims of Sandy in every way they could. Hurricane Sandy was devastating in the impact it had on so many lives. But it also represented an example about reaching out to others to share our resources in times of need. I think that our response to this disaster further underscores the power of collaboration. It certainly makes me proud to be on the NYUCD team.

“Just as teamwork is a key element in the scientific and treatment efforts of NYUCD clinicians, researchers, and students, so too did teamwork play an important role in helping NYUCD to meet the challenges of Hurricane Sandy.”
WELCOME TO THE WORLD: THE NYU GLOBAL NETWORK UNIVERSITY

By Robert Berne, PhD

Executive Vice President for Health
New York University

“The NYU Global Network University envisions a world that can’t be contained by geographic boundaries, a world of creative thinkers, innovators, thought leaders—the people who drive humanity to its highest aspirations—being able to connect, converse, and collaborate through the GNU.”
The NYU Global Network University (GNU) has created a new framework for NYU; namely, it enables faculty and students to use NYU’s global reach to think, learn, and live in ways not easily achieved in most other universities. The GNU is a work-in-progress that will be further shaped as schools, departments, faculty, and students take advantage of its breadth and flexibility to add critical dimensions to their scholarship and learning. I have no doubt that the GNU will look different in five years compared to where it is today.

Designed to draw the most talented and creative students and faculty from around the world, the GNU is a platform, enabling those students and faculty—who choose to do so—to use all of the University’s intellectual resources. Research and learning at each of the network’s sites are connected to and enhanced by the whole, and students become global citizens engaging in scholarly research and service collaborations crossing disciplinary and geographic boundaries. Once “in and of the city,” NYU, its students, and faculty are now “in and of the world.”

A critical organizational element of the GNU is the “portal” campus, of which NYU currently has three: NYU New York and NYU Abu Dhabi and a third, NYU Shanghai, will open to students in fall 2013. These “anchor” campuses grant NYU degrees and are deeply related to one another, using and building upon one another’s academic strengths and specialties. While most students will choose to complete the majority of their programs of study in a “home” location, the campuses’ curricula are designed with mobility in mind—as are those of NYU’s global academic centers around the world, giving undergraduate students many options for study away from their home campus over a single or multiple semesters.

The 13 global academic centers, located on five continents, complement the portal campuses, allowing students to study away for a semester or longer at a site of their choice. Each site offers a range of courses, permitting students to complete core requirements—as well as co-curricular activities enabling them to explore the region, meet local students and other local residents, and use new language skills—and is characterized by a distinct academic identity. NYU Accra, for example, emphasizes global public health and economic development, while NYU Berlin focuses on art and the humanities, and NYU Prague centers on music as well as global media and transitional government. The global academic centers are: Abu Dhabi, Accra, Berlin, Buenos Aires, Florence, London, Madrid, New York, Paris, Prague, Shanghai, Tel Aviv, and Washington, DC. Increasingly, academic links will be built among the global academic centers and the portals, as departments, divisions, and schools at the portals determine the best way to take advantage of the unique offerings that can be developed at the sites, thus enhancing the programs at both the sites and the portals.

An institute that will take full advantage of the GNU is the newly established Global Institute of Public Health (GIPH), led by Dr. Cheryl Heaton (see story on p. 24). A university-wide collaboration among seven schools, GIPH supports innovative public health education and research to address the world’s most pressing health problems. Drawing from resources across NYU’s schools, the Institute delivers truly interdisciplinary public health education at the undergraduate, master’s, and doctoral levels. GIPH builds on the global reach of NYU’s unique GNU; draws strength from the entrepreneurial spirit of NYU’s many talented faculty and students; and serves as a conduit for groundbreaking cross-disciplinary research and education that advances and promotes effective health programs and equitable health for all. GIPH currently offers degrees at the undergraduate and master’s levels; in fall 2014, it will begin to offer doctoral degrees.

NYU dental and nursing students are connected to a wealth of opportunities for global experiences through their own schools and through GIPH. Both NYUCD and NYUCN offer students the opportunity to pursue a master’s degree in global public health concurrently with study for their dental or nursing degree. These joint degrees are increasingly common in many of the health fields.
Over the next year or so, faculty and leadership of GIPH will determine which of the portals and global academic centers are best suited for global public health initiatives, working with faculty at the portals and centers. We expect that the selected sites will span the GNI, and the initial activities in Accra, involving multiple schools at NYU New York, including the College of Dentistry and the College of Nursing, provide a promising example of how global public health at NYU will build on the various features of the GNI.

Exemplifying International Partnerships in Health: NYUCD and the University of Ghana Dental School

A core principle of the Global Network University and its Global Institute of Public Health is that collaborative teaching, research, and patient care are essential in a world in which health problems have no boundaries. This principle is exemplified in the partnership between the NYU College of Dentistry and the University of Ghana Dental School (UG). The partnership’s aim is to foster dental faculty development at the University of Ghana—to build faculty capacity.

Established in 1989, UG enrolls 12 dental students annually. In all of Ghana, a West African nation of 20 million people, there are only about 120 dentists. UG is the sole dental school in the country.

NYU has had a presence in Ghana since 2004, when we established an undergraduate study abroad center in Accra. This NYU global academic center collaborates with Ashesi University and the University of Ghana, both located in Accra.

In 2008, I led a group of faculty, including NYUCD’s vice dean for international initiatives and development, Dr. Stuart Hirsch, on a visit to Accra to meet with UG’s then-dean of the UG School of Public Health, Dr. Fred Binka, and the then-dean of the UG School of Dentistry, Dr. Nii Otu Nartey. The partnership that arose from these meetings involved multiple programs, including the enrollment of a Ghanaian dental graduate in NYUCD’s three-year postdoctoral program in periodontics. That individual would then be required to return to UG after graduation to become UG’s first full-time faculty member in the Department of Periodontics. UG dental graduate Dr. Daniel Tormetti enrolled in NYUCD’s postdoctoral program in periodontics in fall 2008, graduated in May 2011, and is now teaching at UG, where he is building capacity by training future periodontal faculty.

NYUCD’s partnership with UG also inspired research collaboration. In January 2013, NYUCD conducted a qualitative study to gauge knowledge, attitudes, and perceptions of oral health as it relates to diabetes among Ghanaians. This will be followed with a prevalence study of the rates of periodontal disease among Ghanaians with diabetes. The outcomes of these studies—which build on the strong linkages that research has shown between diabetes and untreated periodontal disease—will form the basis for a major grant proposal focused on intervention to control diabetes by treating periodontal disease.

Professor Ann Kurth of the NYU College of Nursing is also leading research projects in partnership with
colleagues at UG. One project leverages expertise at the National Diabetes Center to deliver secondary prevention and primary care to patients with type 2 diabetes and uses open-source software to develop a contextual electronic health record system for patients who receive care at the diabetes center. Dr. Kurth is also involved in a collaborative initiative among NYU, UG, the University of Health & Allied Sciences-Volta, the Ghana Ministry of Health, and the Ghana Health Service in developing a ground-breaking program to produce hundreds of new ‘midlevel’ (i.e., non-physician primary care) providers to address urgent health worker shortages in Ghana. The program is seeking funding to train generations of clinicians delivering quality care that within a decade will reach nearly one in three Ghanaians. Once the program is funded, Dr. Kurth will be one of its leaders.

Going Forward

As the NYUCD-NYUCN-Ghana collaboration exemplifies, the NYU Global Network University envisions a world that can’t be contained by geographic boundaries, a world of creative thinkers, innovators, thought leaders—the people who drive humanity to its highest aspirations—being able to connect, converse, and collaborate through the GNU. This is a vision of higher education in a global setting that enriches knowledge and practice, simultaneously. In the future, I expect that the College and Dentistry and College of Nursing will become more and more engaged with the GNU, with global public health serving as the “existence theorem” for potential academic synergies. Both colleges have strong global initiatives and, given the importance of health and health care worldwide, and the clinical dimensions of both colleges, I see virtually limitless opportunities for faculty and students to use the GNU to raise the quality of teaching, research, and clinical care. My confidence in this prediction is increased by the leadership of Dean Charles Bertolami and Dean Eileen Sullivan-Marx, both of whom have included the GNU as a key part of their strategic thinking. And the fact that Dean Bertolami chaired the university-wide search committee for the inaugural director of GIPH raises my confidence even further. That search committee identified a stellar group of possible directors and strongly recommended Dr. Cheryl Heaton, who was ultimately selected by President John Sexton. In the article by Cheryl in this edition of Global Health Nexus, you will see why the future is so bright for global public health at NYU.
The NYU College of Nursing (NYUCN) is ranked #1 in the country for our gerontology program and the National Institutes of Health has ranked us #5 for nursing research," says Dr. Eileen Sullivan-Marx, dean of the NYU College of Nursing and Erlene Perkins McGriff Professor of Nursing. "Moreover, in 2012, the NYU College of Nursing was honored to be designated a Center of Excellence in nursing education by the National League for Nursing,” she adds.

“Such impressive validation of NYUCN as a nationally recognized leader in nurse education and innovative research in the field of nursing reflects the excellence of our faculty, students, and alumni. It also supports our vision to advance humane and quality health care for all people by ensuring that tomorrow’s nurses and scientists are poised to position nurses as interprofessional healthcare team leaders, clinicians, and educators,” says Dean Sullivan-Marx.

“Because we believe that these achievements merit widespread public recognition, we have adopted as our motto the phrase ‘Making Our Vision Visible.’ The most tangible realization of this vision is the construction of a new building at 433 First Avenue that will provide 85,000 square feet for the NYU College of Nursing along with its first, permanent home. In the spirit of interprofessionalism, the new building will also provide an additional 55,000 square feet for the College
of Dentistry as well as additional space and resources for a new NYU Bioengineering Institute.”

Dr. Sullivan-Marx, who joined NYU in July 2012 after more than a 20-year distinguished career as a nursing leader, educator, researcher, and clinician at the University of Pennsylvania College of Nursing, is an expert in and advocate for innovative approaches to caring for older adults, sustained models of care using advanced practice nurses locally and globally, and developing health policy in community-based, long-term-care settings.

A major lure in bringing her to NYU, explains Dean Sullivan-Marx, was the University’s status as a leader in global education. “NYU’s global perspective and global presence are unique among institutions of higher education,” she says. “With portal campuses in New York, Abu Dhabi, and Shanghai, and academic study centers worldwide, the opportunities for contributing to improved global health are immense,” she adds. “Indeed, as NYU President John Sexton often says, ‘NYU is not only in and of the city but in and of the world!”

As the College of Dentistry’s partner in an alliance that began in 2005, when the then-Division of Nursing at NYU became a College of Nursing in partnership with the College of Dentistry, NYUCN embodies NYU’s and NYUCD’s commitment to global diversity, to global portals, and to embracing a very exciting, very idealistic mandate to work, learn, and contribute to society globally.

“The NYU College of Nursing is part of globalization,” says Dean Sullivan-Marx, “and it is our mission to expand the ways in which students think about the world by challenging them to be curious and innovative. An example is the NYU College of Nursing’s embrace of oral health education as a key part of its curriculum.”

Working collaboratively, NYUCD and NYUCN are uniquely positioned to advance innovative models of interprofessional education and collaborative practice that enhance both oral health and general health outcomes. The NYUCD/NYUCN alliance has invented new ways for the health professions to work together, which, in turn, leads to opportunities for synergies in education, research, and community service. Pathways for collaboration in research have focused on investigations that explore the connection between oral and systemic health. In education and patient care, the NYUCD/NYUCN alliance is enabling dental and nursing students to look at the overall health of the patient, in order to provide better care for all patients. And because our students are learning to work together, it is predictable that collaboration, including referrals, will become more frequent when both professionals go into practice.
Located on the lobby level of the NYU College of Dentistry, the Nursing Faculty Practice... addresses the great need for primary care among New Yorkers, especially older adults.

Specific examples of the NYUCD/NYUCN alliance include:

**The NYU Nursing Faculty Practice.** Located on the lobby level of the NYU College of Dentistry, the Nursing Faculty Practice, which opened in 2006, is a nurse practitioner (NP)-managed primary healthcare center. The Nursing Faculty Practice addresses the great need for primary care among New Yorkers, especially older adults. A highlight of the Nursing Faculty Practice is the Diabetes Care Lifestyle Center. The Nursing Faculty Practice has the added goal of testing an innovative, collaborative oral-systemic primary care delivery model.

**Collaborative Dental-Nursing Clinical Experiences.** These include:

- Competencies for dental students achieved by conducting a comprehensive assessment of dental patient general health needs and by identifying the need for referral for primary care, nutrition counseling, and social work, among other needs.
- Collaborative competencies achieved by identifying specific oral-systemic associations derived from assessment data that impact the diagnosis and comprehensive and interprofessional treatment planning and evaluation of patient outcomes.

**The Dental-Nursing Chairside Consultation Project.** This initiative aims to create competencies in conducting comprehensive oral-systemic patient assessments and in making referrals for systemic health risks and problems.

**The Pediatric Nurse Practitioner (NP) Oral Health Curriculum.** The Pediatric Nurse Practitioner (NP) Oral Health Curriculum teaches DDS and postgraduate pediatric dental residents effective behavioral management of pediatric patients and teaches pediatric NP students to conduct an oral health history and perform oral examinations on preschool children.

**The Smoking Cessation Program.** NYUCD and NYUCN have implemented an interprofessional, population-focused, healthcare initiative to help patients stop smoking.

**The Collaborative Oral Systemic Case Conference.** Integrated case seminars bring together students in all four years of the DDS program, along with nurse practitioner and dental hygiene students, to study and present a case together.

**The Pediatric Nurse Practitioner-Dental Resident-Dental Hygiene Student Interprofessional Case Conferences.** Pediatric nurse practitioners, dental hygiene students, and postgraduate pediatric dentistry residents regularly collaborate in
presenting clinical case conferences for pediatric dental patients with special needs.

**International Outreach.** Nursing, dental, and dental hygiene students have worked as an interprofessional healthcare team on outreaches to Nicaragua and Honduras.

**The Oral Health Nursing and Education Practice (OHNEP) Program.** Funded by a grant from the DentaQuest, Washington Dental Service, and Connecticut Health Foundations, this program aims to develop a replicable model for integrating oral health into the curriculum of nursing schools throughout the US, as well as into best practices for oral health care in nurse-managed primary care settings.

**Research Collaborations.** NYUCD-NYUCN research collaborations include:
- Multiple collaborations on the link between diabetes and periodontal disease
- Oral HIV testing trials
- Interdisciplinary strategies to reduce the risk of early childhood caries
- Dental-nursing summer research experiences
- Dental-nursing interprofessional training in evidence-based practice
- Interprofessional oral-systemic health initiatives supported by the Teaching Oral Systemic Health (TOSH) HRSA grant.

“These examples of collaboration,” says Dean Sullivan-Marx, “are possible because NYU provides a platform and a stage that allows us to scale things up. New York City is the place to do this because the whole world is watching.”

Because our students are learning to work together, it is predictable that collaboration, including referrals, will become more frequent when both professionals go into practice.
The Global Institute of Public Health: “In and of the Schools and Colleges of NYU”

Appointed in fall 2012 as the inaugural director of the NYU Global Institute of Public Health (GIPH) and Dean of Global Public Health, Dr. Cheryl G. Healton is responsible for building GIPH’s academic, service, and research programs in collaboration with partners at NYU and throughout the public health community. Dr. Healton strives to shape GIPH’s focus on domestic and international health issues with an emphasis on prevention, systems intervention, and innovation in public health services. Dr. Healton is president and CEO of the American Legacy Foundation (which was created through the Master Settlement between the states’ attorneys general and the tobacco industry to reduce tobacco usage, especially among young people).

Dr. Healton has served as associate dean and professor at Columbia University’s School of Public Health and currently serves as a professor at Columbia University’s College of Physicians and Surgeons, which she also served as associate dean. Earlier in her career, Dr. Healton was an adjunct professor at Georgetown University’s School of Nursing and the chief administrator of the Alcoholism Treatment Center at the New York State Department of Mental Health’s Manhattan Psychiatric Center. She was recently appointed a tenured professor at the NYU Wagner Graduate School of Public Service.

“Our goal is to position NYU as a ‘global public health school without walls.’”

By Cheryl G. Healton, DrPH

Director, Global Institute of Public Health and Dean of Global Public Health New York University
Just as NYU has long described itself as “in and of the city,” and, more recently, as a Global Network University (GNU) that is “in and of the world,” the Global Institute of Public Health views itself as “in and of the schools and colleges of NYU.”

The GIPH is a collaboration among the Silver School of Social Work, the Wagner Graduate School of Public Service, the College of Dentistry, the College of Nursing, the College of Arts and Science, the School of Medicine, and the Steinhardt School of Culture, Education, and Human Development, all of which are dedicated to improving the health of the world by positioning NYU as a highly visible leader in global public health practice.

GIPH’s mission is as follows:

• Taking advantage of the interdisciplinary model for public health at NYU, the GIPH and partner schools seek to contribute to the improvement of the health status of the world.

• Through training, degree programs, service, and research, we work to accelerate progress toward health outcomes as measured by Healthy People 2020, the Millennium Development Goals (2015 and beyond), the recently updated Global Burden of Disease profile, the World Health Organization (WHO), and other global entities’ sustainability goals established through national and international collaboration.

This mission statement recognizes that solving the complex public health problems which confront the world requires the dedicated involvement of an array of committed individuals applying interdisciplinary creativity. Just as disease and political instability are not confined within borders, we know that the solutions to these problems must come from a diverse collective of scholars and leaders collaborating across both political and academic boundaries. Drawing upon the entire academic breadth of New York University through collaborations among multiple schools and colleges, GIPH seeks to position NYU as a “global public health school without walls.” GIPH’s mission is to do anything and everything we can to add value to public health initiatives at NYU and to create opportunities to identify and facilitate synergies that may not yet be apparent.

GIPH will serve as a “little Switzerland”—a crossroads of institutional cultures with regard to the deep and broad range of public health programs throughout the University. A collaborative inter-school search committee has been formed to co-recruit world class public health faculty. This effort should fill in the gaps and add depth in helping NYU to reach the pinnacle of academic public health programs.

As part of NYU’s Global Network University (GNU), with its three portal campuses and 13 global academic centers across five continents, GIPH is ideally positioned to facilitate a unique, indeed potentially unparalleled, platform for learning, research, and service. Students at the undergraduate, master’s, and doctoral levels will have access to an exceptional range of resources and experts at multiple GNU sites, including, of course, right here in New York City, which hosts three of our master’s in public health program tracks, the combined BA/BS degree programs, and starting next year a PhD faculty will benefit from a university-wide resource for large-scale, multi-school, multidisciplinary, and multisite research projects. The community will take advantage of services, resources, opportunities, and programs of interest for the general public and the public health workforce.
CHALLENGES AND ASPIRATIONS

The health of a population is inextricably linked to the collective well-being of society, and public health practitioners have made major advances in human rights, justice, and social equality both in their communities and around the world. Nevertheless, our world faces extraordinary public health challenges, as evidenced by the fact that of the eight Millennium Development Goals that have been articulated, five are health-related and others have health implications. Moreover, we have learned that there is a big rise in noncommunicable disease morbidity and mortality, which has overtaken infectious disease as the leading cause of death globally. We also know that there is incredible maldistribution of the health professions workforce around the world.

At the same time, there is much that we don’t know—from preparing for global pandemics, to addressing the health issues of an increasingly urban world, to more effectively responding to health crises caused by war or natural disaster. GIPH is prepared to address these challenges head-on. To that end, GIPH has undertaken to identify a small number of ambitious global public health goals that NYU is uniquely suited to tackle successfully through an interdisciplinary, multi-model approach (research, service, training) and to engage a broad range of faculty and students in achieving these goals.

A key aspiration is to create affinity groups; that is, to identify a group of important public health areas and bring together people across all the schools and colleges of NYU, along with people working across the globe who can advise us and who are tackling the same problems but who have never shared their ideas and expertise.

If we succeed, five years from now NYU will have an undergraduate, graduate, or research presence in three to five of the GNU sites. It will have doubled the volume, impact, and economic value of the research enterprise in public health, in partnership with all the schools that are working with us, and will have added additional academic degree and nondegree programs, including an Internet-based degree that provides public health education for those for whom geographic barriers are an obstacle.

Achieving GIPH’s goals will enable NYU to become pivotal in creating 21st-century healthcare workforce solutions to address shortages in the healthcare workforce domestically and globally. Drawing strength from outstanding faculty from across the University, the entrepreneurial spirit of NYU’s talented students, and a truly global network of practitioners, leaders, and scholars conducting multidisciplinary research initiatives, GIPH will raise the collective visibility of public health for all schools and colleges at NYU, especially for the outside world.
“The NYU Experience: Interprofessional Collaboration Involving Nursing and Dental Hygiene”
Featured at University of Maryland Conference

Dr. Cheryl Westphal Theile, assistant dean for allied health programs and clinical associate professor of dental hygiene at NYUCD, and Dr. Judith Haber, associate dean for graduate programs and the Ursula Springer Leadership Professor in Nursing at NYUCN, co-presented a session on “The NYU Experience: Interprofessional Collaboration Involving Nursing and Dental Hygiene” at the first national collaborative conference on oral and systemic health sponsored by the University of Maryland School of Nursing in December 2012. The conference, titled “The Oral-Systemic Link: Creating Collaborative Initiatives,” featured the NYUCD-NYUCN alliance as an example of a collaborative commitment to health promotion.

The presentation made the point that the symbiosis of oral health and systemic health provides the perfect backdrop for interprofessional learning. In particular, Drs. Westphal Thiele and Haber spoke about the importance of working together to help reform our healthcare delivery system rather than working alone in individual professions.

Dr. Haber outlined dental hygiene/dental/nursing educational opportunities at NYU, including nursing students conducting an oral health history and recognizing normal versus pathological variations of oral structures. A side-by-side consultation project with interprofessional students on comprehensive patient assessments and referrals is another example of innovation and collaboration which she noted. Dr. Haber also discussed collaborative innovations in pediatrics and summer research projects at NYU.

Dr. Westphal Theile described the shared research and statistics courses for dental hygiene and nursing students and the joint research presentations and publications which have resulted. She also noted that more efforts are occurring in community outreach sites with the goal of promoting collaboration among dental hygiene, dental, and nursing students. Moreover, dental hygiene students can refer to the NYUCD-based Nursing Faculty Practice for medical screening, tobacco cessation, or other counseling, thereby creating additional collaborative initiatives toward oral-systemic health.
Surgical Team Led by Dr. Eduardo D. Rodriguez, ‘92, Performs Most Extensive Face Transplant in History

In a groundbreaking 36-hour surgery performed in March 2012, Dr. Eduardo D. Rodriguez, a 1992 graduate of the NYU College of Dentistry, led a team of four other surgeons and more than 150 nurses, residents, anesthesiologists, and support staff at the University of Maryland Medical Center in Baltimore in an unprecedented total facial transplantation and maxillofacial reconstruction. The recipient of this milestone procedure was Richard Lee Norris, a 37-year-old man whose face had been shattered in a 1997 shooting accident. Through this surgery, Dr. Rodriguez and his team not only transformed Mr. Norris’s life; they transformed the future of facial reconstruction and transplantation.

In addition to earning a dental degree at NYU, Dr. Rodriguez, a native of Miami, earned a BS degree in neurobiology from the University of Florida, and a medical degree from the Medical College of Virginia/Virginia Commonwealth University. He completed postgraduate training in oral and maxillofacial surgery at Montefiore Medical Center/Albert Einstein College of Medicine in New York and in dental anesthesiology at Jackson Memorial Hospital/VA Medical Center in Miami, plus residencies in both general surgery and plastic and reconstructive surgery at Johns

“I was drawn to dentistry by my admiration for several mentors, especially my own dentist and the dentist father of a close friend.”

Eduardo D. Rodriguez, DDS, MD
Professor of Surgery, Program in Trauma
University of Maryland School of Medicine
Chief of Plastic, Reconstructive and Maxillofacial Surgery
R Adams Cowley Shock Trauma Center
I knew immediately that a combined residency in plastic and reconstructive surgery would provide a wonderful opportunity to build upon my dentistry, oral and maxillofacial surgery, and medical training.

Hopkins Hospital/University of Maryland Medical Center, followed by a reconstructive microsurgery fellowship at Chang Gung Memorial Hospital in Taipei, Taiwan.

Dr. Rodriguez's extraordinary educational and professional trajectory all started, he says, with his decision to become a dentist. "I was drawn to dentistry by my admiration for several mentors, especially my own dentist and the dentist father of a close friend," he explains.

"My close friend chose to study dentistry at NYU, and I decided that it was the right step for me as well. I was fortunate to be accepted," he continued. "As I neared graduation, I thought of becoming an orthodontist, again as a result of my admiration for a mentor—another friend's father—who was an orthodontist and a part-time faculty member at NYU.

"At the same time, I was drawn to oral and maxillofacial surgery. As it happened, I applied to a general practice dentistry residency, and as I was nearing completion of the program, the opportunity arose for me to do a one-year residency in dental anesthesiology. I chose to do the dental anesthesiology residency in my home town of Miami. As a result, I became interested in caring for patients in a hospital setting and decided to apply for a residency in oral and maxillofacial surgery," says Dr. Rodriguez.

"I wanted to return to New York to pursue oral and maxillofacial surgery training, which I did at Montefiore Medical Center. One interest led to another, and, in my second or third
year, I decided also to pursue a medical degree, which I was fortunate to be able to do at the Medical College of Virginia at Virginia Commonwealth University."

In order to obtain a medical license in Virginia, Dr. Rodriguez was required to do a one-year medical internship, which he chose to do in general surgery at Johns Hopkins University, which led to his exposure to and interest in plastic surgery. That experience led to his recognition that despite tremendous advances in dentistry and medicine, there were still major deficiencies in how we treat people—both surgically and socially—with oncologic, traumatic, and genetic deformities, including major facial deformities.

“I knew immediately,” he says, “that a combined residency in plastic and reconstructive surgery would provide a wonderful opportunity to build upon my dentistry, oral and maxillofacial surgery, and medical training.”

Dr. Rodriguez felt that there was one final educational and training step that he needed to take in order to address the challenge of treating people with major facial deformities, and that was to pursue a fellowship in reconstructive microsurgery at Chang Gung Memorial Hospital in Taipei, Taiwan. Chang Gung Memorial Hospital’s microvascular reconstructive surgery program—the top program of its kind in the world—trains surgeons to transfer tissue throughout the body and connect it to tiny blood vessels.

“Once I completed my fellowship in Taiwan,” says Dr. Rodriguez, “I felt confident that I had the best possible training to enable me to treat people with complicated, major facial injuries. Thanks to the surgical expertise I had acquired, I understood the soft tissue challenges—how to recruit tissue with microvascular tissue transfer. I understood how to change the facial skeleton and how to keep in mind the importance of the teeth, so that the occlusion is normal. And I understood the importance of aesthetic facial surgery so that we can achieve the best results possible—complete facial harmony and functional balance.”

In 2004, Dr. Rodriguez returned to Baltimore to teach, conduct research, and treat significant facial injuries, including those of war veterans referred by the Wounded Warrior Project, a non-profit, nonpartisan
operation started by veterans and friends to meet the complex needs of armed services members injured by explosives in Afghanistan and Iraq.

In 2005, Dr. Rodriguez met Mr. Norris, who had been injured in a civilian incident. On the Internet, Mr. Norris had read Dr. Rodriguez’s numerous articles on treating facial-skeletal deformities and improving a patient’s quality of life, and had contacted Dr. Rodriguez for an appointment. That same year, two French surgeons had performed the world’s first face transplant, but that procedure had involved soft tissue, not the hard tissue repair also needed by Mr. Norris.

“Mr. Norris wore surgical masks when he had to go out in public,” explains Dr. Rodriguez. “His facial trauma was so catastrophic that he couldn’t eat in public because he had no teeth. He would break food up with his hands—his hands became his teeth—and move it to the back of his throat. He wanted to be a functioning member of society. He’s the most giving and courageous person I know. He didn’t want to live that way anymore,” continued Dr. Rodriguez.

In 2006, Dr. Rodriguez was invited to be a co-principal investigator on a large animal model performing facial transplants, part of a Department of Defense initiative funded by the Office of Naval Research. Also in 2006, Dr. Rodriguez performed the first of what would become 14 surgeries on Mr. Norris.

“The first 13 surgeries were more conventional facial surgeries,” explains Dr. Rodriguez. “We gave him a maxilla, a mandible, and soft tissue in the face, but it wasn’t solving the primary problem: He had no lips and was missing the anterior two-thirds of his tongue. These surgeries did improve his appearance a bit, but he didn’t look normal."

In addition to large animal pre-clinical trials, preparations for the March 2012 surgery that not only gave Mr. Norris new skin and a new nose, but also upper and lower jaws, teeth, and a portion of the tongue, took years of planning and overcoming challenges, including receiving Institutional Review Board (IRB) approval at the University of Maryland School of Medicine, approximately 10-paired trials with donor and recipient cadavers, the discovery that a vascular bone in the mandible promoted longtime graft survival, and the development of new drugs that would potentially not require patients to be on steroids for life to minimize organ rejection.

“We knew that it was critically important to have a solid research foundation in order to provide the long-term sustainability of the facial transplant and also to limit the number of potential complications from the long-term use of steroid medications,” says Dr. Rodriguez.

Dr. Rodriguez also made a presentation and an appeal to the Living Legacy Foundation of Maryland, which is the organ procurement organization that works with an individual’s family who decide that they want to be involved with the process of organ donation. “With our strong foundation of IRB approval, clear patient need, and institutional support all in place, we put together a surgical team and assembled a group of

“My training in dentistry and in oral and maxillo-facial surgery was critical to our success as a team, including the ability to transfer all of the skin from the top of the head down to the clavicle, including the maxillary dentition, along with the mandibular dentition, and the anterior one-third of his tongue—everything came together as one unit.”
“I’m very grateful that I was given the opportunity to begin my training at NYU and to live in New York City for key parts of my training. It’s not just a matter of education, but also of experiencing the diversity and vitality of living in New York City that helped shape the person I am today.”
nurses for a series of clinical transplantation ‘rehearsals,’” says Dr. Rodriguez.

But before he could be approved for the actual procedure, Mr. Norris had to undergo a meticulous evaluation process to assess his psychological and emotional, as well as physical, suitability for the procedure. He met with an evaluation team that included surgeons, clinical psychologists, psychiatrists, social workers, transplant immunologists, internists with medical expertise in transplant medicine, and nursing staff. As Dr. Rodriguez puts it, “He decided to move ahead and get this thing done. He was very well versed in all the risks and all the potential complications, including finding an appropriate donor match, which had to include an HLA (human leukocyte antigen) match to protect the body’s immune system against rejection.”

“In November 2011,” says Dr. Rodriguez, “we had complete certification of the team and of the patient and were ready to do a ‘dress rehearsal,’ which went flawlessly.” A perfect donor match was obtained on March 18, 2012, through the Living Legacy Foundation of Maryland, and the operation took place on March 19 and 20, because, as Dr. Rodriguez explains, “once you have a donor, you have a window of only 24 hours.”

Now, a little over one year post-surgery, “Mr. Norris is doing spectacularly well,” says Dr. Rodriguez. “He no longer wears a mask; he has become sociable; he is still working very hard in speech therapy and physical therapy; his jaws are working very well, and his tongue movement and facial movement are improving on a daily basis. He now smiles. It’s really remarkable. I’m amazed that we have the capacity to change a person’s life this way.”

“My training in dentistry and in oral and maxillofacial surgery was critical to our success as a team,” notes Dr. Rodriguez, “including the ability to transfer all of the skin from the top of the head down to the clavicle, including the maxillary dentition, along with the mandibular dentition, and the anterior one-third of his tongue—everything came together as one unit.”

Dr. Rodriguez, who is a professor of surgery at the University of Maryland School of Medicine and at the Johns Hopkins School of Medicine, is also chief of plastic, reconstructive and maxillofacial surgery at the R Adams Cowley Shock Trauma Center at the University of Maryland Medical Center, which is in the planning stages of creating the National Center for Facial Reconstruction and Transplantation, in which Dr. Rodriguez will play a pivotal role.

Also ahead for Dr. Rodriguez is deciding who the next candidate for facial transplantation will be. “Now that we know that Richard is doing very well, we can approach the next procedure with even more confidence.” Dr. Rodriguez is also continuing to work on improving immune suppressive protocols to limit the potential for organ rejection.

“In proportion as we succeed in limiting the amount of toxicity associated with these medications, there is increased likelihood that the inclusion of vascular bone with the face will provide for longer-term graft acceptance.

“I’m very grateful that I was given the opportunity to begin my training at NYU and to live in New York City for key parts of my training,” says Dr. Rodriguez. “It’s not just a matter of education, but also of experiencing the diversity and vitality of living in New York City that helped shape the person I am today.”
In October 2012, the Consortium for Translational Orthodontic Research (CTOR), a collaborative, interdisciplinary group of scientists and clinicians created by NYUCD’s Department of Orthodontics, hosted its first international symposium in Translational Orthodontic Research.

CTOR aims to provide basic science researchers and dental clinicians a forum in which to interact, share ideas, and collaborate on projects to advance the specialty of orthodontics. CTOR also conducts a postgraduate fellowship program, providing dentists with rigorous training in basic science research and molecular biology techniques, in the service of advancing orthodontic research and making treatment more patient friendly.

More than 200 academics, residents, and clinicians from the United States, South America, and Europe gathered at the Apella Center in Manhattan in October for a program of oral and poster presentations and a reception. Topics included bone response to mechanical stimulation, accelerated tooth movement, temporomandibular joint degeneration and regeneration, gene therapy, and treatment of craniosynostosis (a birth defect that causes one or more sutures on a baby’s head to close earlier than normal).

CTOR was cofounded in 2010 by Dr. Cristina Teixeira, associate professor and chair of NYUCD’s Department of Orthodontics and Dr. Mani Alikhani, assistant professor of orthodontics, and is directed by Dr. Alikhani. Plans call for hosting the symposium every two years. For more information on CTOR, please go to www.orthodonticscientist.org.
Center for Skeletal and Craniofacial Biology Hosts First Annual Retreat

The NYU Center for Skeletal and Craniofacial Biology hosted its first annual retreat in February 2013, at NYUCD. The center is directed by Dr. Nicola Partridge, an expert in molecular endocrinology and bone and mineral research, and the chairperson of NYUCD’s Department of Basic Science and Craniofacial Biology.

Established in 2011 with funding from a National Institutes of Health (NIH) grant, the center aims to enhance and coordinate the efforts of NYU clinicians, scientists, and clinician-scientists who work in different aspects of craniofacial and musculoskeletal biology with the ultimate goal of developing novel therapeutic targets for the treatment of craniofacial disorders and musculoskeletal diseases.

Musculoskeletal diseases are the most common health problems in the US. Estimated US costs for treatment of all people with musculoskeletal disease diagnosis and indirect lost wages was $849 billion annually for the years 2002 to 2004.

The retreat brought together leaders in the field from NYU College of Dentistry and collaborating institutions. Presenters included Dr. Partridge and Dr. Cristina Teixeira (NYUCD), Dr. Steven Teitelbaum (Washington University School of Medicine), Dr. Thorsten Kirsch (NYU Hospital for Joint Diseases of the NYU Langone Medical Center), Dr. Vicki Rosen (Harvard School of Dental Medicine), and Dr. Jeremy Mao (Columbia University College of Dental Medicine).

According to Dr. Partridge: “The retreat offered a focused opportunity to advance the mission of the NYU Center for Skeletal and Craniofacial Biology; specifically, to raise the tempo of research into diseases which affect craniofacial development and the skeleton, leading to new knowledge and resulting in new and improved treatments for these diseases.”
The Potential of Psilocybin to Alleviate Psychological and Spiritual Distress in Cancer Patients Is Revealed

NYU BLUESTONE INVESTIGATOR ANTHONY P. BOSSIS CONTRIBUTES CHAPTER TO PSYCHOLOGICAL ASPECTS OF CANCER

Improvements in the diagnosis and treatment of cancers in recent years have led to a marked increase in patients’ physical survival rates. While doctors can treat the physical disease, what is not well understood is how best to address the psychological needs of patients with cancer.

In addition to the physical pain associated with cancer, many patients also experience psychologically harmful symptoms of anxiety, depression, anger, and denial. Social isolation, in addition to hopelessness, helplessness, and loss of independence, has also been associated with significant psychological suffering in patients coping with advanced-stage cancer.


The chapter, published in Psychological Aspects of Cancer: A Guide to Emotional and Psychological Consequences of Cancer, Their Causes, and Their Management, was co-written by Dr. Anthony P. Bossis, clinical assistant professor of psychiatry at the NYU School of Medicine and of oral and maxillofacial pathology, radiology and medicine at NYUCD.

The hallucinogen treatment model with psilocybin has been shown to induce a mystical or spiritual experience and is a unique therapeutic approach to reduce the anxiety of terminal cancer patients.

“Mystical or peak consciousness states in cancer patients have been associated with a number of benefits, including improved psychological, spiritual, and existential well-being,” said Dr. Bossis.

Psilocybin (a serotonergic psychoactive agent) is a naturally occurring active component of many species of mushrooms, and is rapidly metabolized to psilocin, a highly potent activator of serotonin receptors. In addition to receiving the psilocybin compound, patients enrolled in the study also receive
psychological preparation prior to the psilocybin dosing, followed by a brief series of integrative psychotherapeutic sessions.

The chapter includes a clinical case vignette of a patient in the ongoing Psilocybin Cancer Anxiety Study at the Bluestone Center for Clinical Research. Participants undergo two drug administration sessions in which psilocybin is administered on one occasion and a placebo on the other.

“The primary objective of this phase I, double-blind, controlled pilot study is to assess the efficacy of psilocybin administration on psychosocial distress, with the specific primary outcome variable being anxiety associated with advanced and/or recurrent cancer,” said Dr. Bossis.

“Secondary outcome measures will look at the effect of psilocybin on symptoms of pain perception, depression, existential/psychospiritual distress, attitudes toward illness, quality of life, and spiritual/mystical states of consciousness,” he added.

The clinical vignette describes a patient who, over the course of three years, experienced extreme fatigue, pain, overall body aches, discomfort, and psychological distress due to cancer and intensive biweekly chemotherapy. The patient became increasingly anxious and depressed and was enrolled in two study sessions; in one he received psilocybin and in the other, a placebo. Despite continuing the arduous chemotherapy schedule, suffering from illness, and undergoing additional surgical procedures, the patient continued to report a marked improvement in attitude, coping, and mood 18 weeks after his session and stated, “my quality of life is dramatically improved.”

Dr. Stephen Ross, assistant professor of psychiatry and child and adolescent psychiatry at the NYU School of Medicine and clinical assistant professor of oral and maxillofacial pathology, radiology and medicine at NYUCD, is the principal investigator on the study: Dr. Bossis and Dr. Jeffrey Guss, clinical assistant professor of psychiatry at the NYU School of Medicine, are co-principal investigators.

The coauthors of the chapter were Dr. Charles S. Grob, professor of psychiatry and biobehavioral sciences at Harbor-UCLA Medical Center, and Dr. Roland R. Griffiths, professor of psychiatry and behavioral science and neuroscience at Johns Hopkins University.

The Psilocybin Cancer Anxiety Study was also recently highlighted in a news article, “Opening Doors of Perception: Psychedelic Drugs and End-of-Life Care” in the Journal of the National Cancer Institute.

“The emotional, spiritual, and existential distress that can often accompany a diagnosis of cancer often goes unidentified and untreated in cancer patients. Patients who have benefited from psilocybin clinical research have reported less anxiety, improved quality of life, enhanced psychological and spiritual well-being, and a greater acceptance of the life-changes brought on by cancer. It is a welcome development that this promising and novel clinical research model utilizing psilocybin has begun to gain clinical and academic attention,” Dr. Bossis noted.
Sara Hinds, ’15, Wins Second Place in ADA/Dentsply Student Clinician Research Program, Basic Science Competition

Sara Hinds, Class of 2015, was awarded second place in the basic science category of the 2012 American Dental Association/Dentsply Student Clinician Research Program at the ADA annual meeting in San Francisco. More than 70 dental students representing more than 35 countries participated in the program, presenting research results of their clinical, basic science, and public health research.

Ms. Hinds received the award for her work on “Improved Tissue Culture Conditions for Engineered Skeletal Muscle Sheets,” conducted under the tutelage of Dr. Louis Terracio, vice dean for research. Dr. Terracio is an expert in tissue engineering of skeletal muscle.

This award marks the second time that Ms. Hinds has been recognized for her contributions to the knowledge base in the health sciences. In April 2012, she won a Dentsply Award at NYUCD’s annual Student Research Days, which allowed her to enter the national ADA/Dentsply Student Clinician Research Program and to present her work at the San Francisco competition. Also in April 2012, she received the inaugural Violight Jonathan A. Ship Award for Translational Research.

Rory Chong, ’15, Receives Hinman Research Award

Second-year dental student Rory Chong won one of four awards in clinical research presented at the 18th Hinman Student Research Symposium held in October 2012 at the historic Peabody Hotel in Memphis, Tennessee. The symposium featured oral and poster presentations of research projects submitted by a total of 101 pre- and postdoctoral dental students from 45 dental schools in 28 states, the District of Columbia, and three Canadian provinces.

Rory’s project examined the ability of high-frequency accelerations in a rat model to promote osteogenesis in alveolar bone in the absence of significant loading of the teeth. The results suggest that the physical effect of vibration provided by HFM may provide a novel and simple method to maintain and promote alveolar bone formation. Rory was mentored in this project by Dr. Mani Alikhani, assistant professor of orthodontics.
NYUCD’s Dr. Juhee Jeong Is Selected by American Association of Anatomists for Its 2013 YAPA Award

Dr. Juhee Jeong, assistant professor of basic science and craniofacial biology, was awarded the American Association of Anatomists’ (AAA) 2013 Keith and Marion Moore Young Anatomist’s Publication Award (YAPA) at the annual AAA Awards Banquet on Tuesday, April 23, 2013, in Boston. The YAPA was created to recognize the best publication by a young anatomist in one of the society’s journals: *The Anatomical Record, Anatomical Sciences Education, or Developmental Dynamics*.

Dr. Jeong was selected for the 2013 YAPA for her paper, “Cleft Palate Defect of Dlx1/2−/− Mutant Mice Is Caused by Lack of Vertical Outgrowth in the Posterior Palate,” published in *Developmental Dynamics* (September 2012). The paper investigated possible genetic causes of cleft palate in mice.

“The strength of the paper lies in its thorough analysis,” Dr. Jeong commented. “We found novel connections between the Dlx genes and many other genes that had been known to be important for palate formation.”

Dr. Jeong and her team investigated the etiology underlying cleft palate of mouse mutants in which Dlx1 and Dlx2 genes were inactivated. They found that the posterior palate failed to grow in these mutants from the onset of palatogenesis. Additionally, cell proliferation rate and Cyclin D1 expression were reduced in the mutant posterior palate, and the expression of multiple known regulators of palatogenesis was affected in the mutants. The team concluded that Dlx1 and Dlx2 are crucial for early stages of palatogenesis.

Dr. Jeong is a developmental biologist, striving to understand the mechanisms by which cells acquire positional identity within embryonic tissue and thereby develop into a specific part of an organ. In particular, she is investigating the molecular genetic mechanisms behind craniofacial morphogenesis with emphasis on transcriptional regulation. Her laboratory utilizes multidisciplinary approaches including mouse genetics, genomics, biochemistry, and molecular biology. Her work was funded in part by a grant from the NIH.

—Christopher James

Dr. Jeong is a developmental biologist, striving to understand the mechanisms by which cells acquire positional identity within embryonic tissue and thereby develop into a specific part of an organ.
Cover of *The Journal of Neuroscience* Features Article by Bluestone Center Scientists

An article by Drs. David K. Lam and Brian L. Schmidt of the NYU College of Dentistry’s Bluestone Center for Clinical Research was featured on the cover of the October 10, 2012, issue of *The Journal of Neuroscience*. NYUCD’s Dr. Dongmin Dang, Ms. Jianan Zhang, and Dr. John C. Dolan also contributed to the article, “Novel Animal Models of Acute and Chronic Cancer Pain: A Pivotal Role for PAR2.”

According to Dr. Lam, while modern cancer therapies allow cancer patients to live longer, they now face new challenges from severe and chronic cancer-induced pain. “The major impediment for developing new treatments for cancer pain has been our limited knowledge of the basic mechanisms that drive cancer pain,” says Dr. Lam.

Dr. Lam’s research investigates these mechanisms by observing the role of protease-activated receptor 2 (PAR2) in the progression of pain from acute to persistent to chronic levels using three novel preclinical models. These models provide a solution to the lack of adequate cancer pain models required to study the molecular and neural pathways that generate and maintain cancer pain.

While previous research suggests a role for PAR2 in pain, Dr. Lam’s models go beyond the existing models which utilize reflex responses as dependent pain measures and are unable to reflect the temporal and anatomical progression of cancer pain. The preclinical models in this study parallel the anatomical, temporal, and functional progression of pain and impairment experienced by humans with head and neck cancer.

Specifically, Dr. Lam found that the interactions between serine proteases and PAR2 induce acute and chronic cancer pain, and chronic pain is associated with elevated serine proteases in the cancer microenvironment and PAR2 upregulation in the peripheral nerves. Most strikingly, cancer pain remained undeveloped in PAR2-deficient models. Thus, targeting PAR2-serine protease interaction can help with the treatment of acute cancer pain and prevent chronic cancer pain. These findings have significant implications for targeted therapy for cancer pain.

Dr. Lam’s models go beyond the existing models which utilize reflex responses as dependent pain measures and are unable to reflect the temporal and anatomical progression of cancer pain.
IADR Honors NYUCD Researchers with *Journal of Dental Research “Cover of the Year Award”*

**TWO ADDITIONAL PAPERS BY NYUCD RESEARCH TEAMS FEATURED ON JDR COVERS IN 2012**

Dr. Page W. Caufield, professor of cariology and comprehensive care, was awarded the 2012 “Cover of the Year Award” by the International Association for Dental Research (IADR) for his graphic for the paper, “Hypoplasia-associated Severe Early Childhood Caries—A Proposed Definition,” which he coauthored for the *Journal of Dental Research (JDR)* with Dr. Yihong Li, professor of basic science and craniofacial biology and director of international research collaborations, and Dr. Timothy Bromage, professor of biomaterials and biomimetics. The award was presented to Dr. Caufield at the 2013 IADR/AADR/CADR annual meeting in March.

Two additional papers coauthored by NYUCD research teams were also featured on JDR covers in 2012. The first was “Osteogenic Effect of High-frequency Acceleration on Alveolar Bone,” by Dr. Mani Alikhani, assistant professor of orthodontics and director of the Consortium for Translational Orthodontic Research (CTOR). Dr. Alikhani’s coauthors included Dr. Cristina Teixeira, associate professor and chair of the Department of Orthodontics. The second paper, “HIV Infection Affects *Streptococcus mutans* Levels, but Not Genotypes,” was coauthored by Dr. Gaoxia Liu, a former member of the Department of Basic Science and Craniofacial Biology; Dr. Deepak Saxena, assistant professor of basic science and craniofacial biology; Dr. Zhou Chen, assistant research scientist in the Department of Basic Science and Craniofacial Biology; Dr. Joan Phelan, associate professor and chair of the Department of Oral and Maxillofacial Pathology, Radiology and Medicine; Maura K. Laverty, RN, site coordinator, Department of Medicine, Division of Infectious Diseases and Immunology, NYU School of Medicine; Dr. Gene Fisch, research professor, Department of Epidemiology and Health Promotion; Dr. Patricia Corby, assistant professor of periodontology and implant dentistry and associate director of the Bluestone Center for Clinical Research; Dr. William Abrams, senior research scientist and adjunct professor of basic science and craniofacial biology; Dr. Daniel Malamud, professor of basic science and craniofacial biology; and Dr. Li.
Research Days Feature
Dr. William Maixner and 31 Prize-Winning Students

NYUCD’s Annual Student Research Days, held on April 18 and 19, 2013, showcased outstanding work by NYUCD students in the clinical, basic, and behavioral sciences. One hundred and fifty-two students presented research posters, 31 of whom were recognized for exemplary presentations. The two-day event also honored Dr. William Maixner, Mary Lily Kenan Flagler Bingham Distinguished Professor, director of the Center for Neurosensory Disorders, and professor of endodontology and pharmacology at the University of North Carolina at Chapel Hill School of Dentistry. Dr. Maixner spoke about “Unraveling Complex Persistent Pain Conditions with Genetic and Phenotypic Biomarkers—Implications for Translational Pain Medicine.” In recognition of his participation and lifelong scientific contributions, Dr. Maixner was presented with the 2013 Distinguished Scientist Award by Vice Dean for Research Louis Terracio.

“Engaging students in research early in their dental education experience fundamentally changes their thinking,” said Vice Dean Terracio. “The students’ achievements and their collaborations with faculty mentors are a testament to NYUCD’s commitment to research as an integral part of dental education, and, subsequently, improved patient care.”

NYUCD congratulates all of the student awardees, whose names, presentations, and mentors are listed below:

Dean’s Award for Outstanding Presentation
Dr. Benjamin Trinite, associate research scientist, Department of Basic Science and Craniofacial Biology
Expression and Replication of Unintegrated HIV-1 in Resting CD4 T Cells
Mentor: Dr. David Levy

Outstanding Postdoctoral Presentation
Dr. Yi Ye, associate research scientist, Department of Basic Science and Craniofacial Biology
ATP-Gated P2X2/3 Receptors Mediate Mechanical Allodynia in Oral Squamous Cell Carcinoma
Mentor: Dr. Brian Schmidt

Honorable Mention, Postdoctoral Presentation
Dr. Zhou Chen, assistant research scientist, Department of Basic Science and Craniofacial Biology
HAART May Reverse the Oral Microbial Alteration Associated with HIV Infection
Mentor: Dr. Yihong Li

Dean’s Award, DDS Student
Ms. Laura Moon, ’14
Involvement of the Anti-Aging Protein Klotho in Hematopoiesis
Mentor: Dr. Despina Sitara

Outstanding Presentation by a Resident in Pediatric Dentistry
Dr. Katrina Liu, Dental PG Program in Pediatric Dentistry
Effect of Play Therapy on Behavior at First Dental Visit
Mentor: Dr. Yasmi Crystal

Best Presentation by a Resident in Oral Surgery
Dr. Mohamed R. Ishahuome, Dental PG Program in Oral and Maxillofacial Surgery
Keratocystic Odontogenic Tumor: Past, Present, and Future
Mentor: Dr. Robert Glickman

Outstanding Presentation by a Clinical Fellow
Dr. Asma Almaidhan, CTOR Fellow
Neural Crest-Specific Inactivation of LDHB Causes Cleft Secondary Palate
Mentor: Dr. Juhee Jeong

Honorable Mention, CTOR Fellow
Dr. Bandar Alyami, Dental PG Program in Orthodontics, CTOR Fellow
Management of Severe Class II Deep-Bite in Hypo-Divergent Patient Case Report
Mentor: Dr. Cristina Teixeira

Outstanding Presentation by a Resident in Periodontology and Implant Dentistry
Dr. Margarida Sousa Menezes, Dental PG Program in Periodontics
Mid-Buccal Tissue Changes Following Immediate Implant Placement and Immediate Provisionalization: A Case Series
Mentor: Dr. Mitchell Bloom

Honorable Mention, Resident in Periodontology and Implant Dentistry
Dr. Ahmed Elkhaweldi, Dental PG Program in Periodontics
Clinical Significance of Keratinized Mucosa Around Implant Restorations: A

Literature Review
Mentor: Dr. Steven Engebretson

Dr. Murtada Aldouki, Dental PG Program in Periodontics
New Surgical and Restorative Protocols to Regenerate Inter-Implant Papilla
Mentor: Dr. Stuart Froum

Dr. Wei-Tse John Hong, Dental PG Program in Periodontics
Implant Placement in the Incisive Canal – CT-Scan Measurement
Mentor: Dr. Stephen St. James

Dr. Maree Shabeesh, Dental PG Program in Periodontics
Surgical and Restorative Considerations for Implant Placement in Previously Failed Sites
Mentor: Dr. Maryse Manasse
Outstanding Presentation by a Resident in Prosthodontics
Dr. Cristina Isorna Suarez, Dental PG Program in Prosthodontics
The Effect of a Novel Implant Surface on Gene Expression
Mentor: Dr. Selichi Yamano

Outstanding Presentation by a Resident in Orthodontics
Dr. Mohamed Karkuri, Dental PG Program in Orthodontics
Effect of Time and Initial Stress on Orthodontic External Root Resorption
Mentor: Dr. Rodrigo Vicelli

Outstanding Master’s Presentation
Ms. Hellen Soares Teixeira Gonzalez, MS Student in Biomaterials
Physicochemical Assessment of Enamel Following APP Treatment
Mentor: Dr. Van P. Thompson

Best Master’s Presentation
Ms. Meng Lin, MS, Oral Biology/GSAS
Curcumin Photodynamic Antimicrobial Chemotherapy on Streptococcus mutans Biofilm
Mentor: Dr. Simone Duarte

Dean’s Award, DDS Research and Dentsply Award
Mr. Sean Seung Yoon, ’15
Effect of Microperforations on the Rate of Tooth Movement in Humans
Mentor: Dr. Mani Alikhani

Best Basic Science Presentation by a DDS Student
Ms. Laura Moon, ’14
Involvement of the Anti-Aging Protein Klotho in Hematopoiesis
Mentor: Dr. Despina Sitaras

Best Clinical Science Presentation by a DDS Student
Mr. Sean Seung Yoon, ’15
Effect of Microperforations on the Rate of Tooth Movement in Humans
Mentor: Dr. Mani Alikhani

Best Case Study Presentation
Ms. Chau Doan, ’14
The Art of Making a Joint and Adaptive Remodeling
Mentor: Dr. Robert Glickman

Violight Jonathan A. Ship Award for Translational Research
Mr. Jeffrey Valenti, ’14
Effects of Naproxen on Spontaneous (Non-Evoked) Behavioral Orofacial Pain Responses
Mentor: Dr. Marcela Romero-Reyes

Racquel Z. LeGeros Biomaterial Research Award
Ms. Hang Hannah Gao, ’14
Protective Effects of Calcium Toothpaste on Enamel Against Acidic Beverages
Mentor: Dr. Mark S. Wolff

Student Research Group Award
Ms. Aarti Patel, ’16
Mechanical Properties of Calcium Phosphate Scaffolds for Bone Repair
Mentor: Dr. John Ricci

Honorable Mention, AADR Membership
Ms. Sheen Sikka, NYU College of Arts and Sciences, ’13
Treatment of Depression in HIV+ Individuals Using Transcranial Direct Current Stimulation
Mentor: Dr. Daniel Malamud

Outstanding Master’s Presentation
Ms. Pooja Madan, ’14
Developing an Electronic Atlas
Mentor: Dr. Joan Phelan

Ms. Shlomit Schwab, ’15
A Retrospective Study for Osteonecrosis of the Jaw Unrelated to Antiresorptive Therapy
Mentor: Dr. Kenneth Fleisher

Mr. Nathan Cain, ’14
A Perspective on Academic Integrity in Dental Education: 1915 to 2012
Mentor: Dr. Andrew Spielman

OKU, Dr. Michael C. Alfano Award for Excellence in Research
Ms. Lorel Burns, ’15
CGRP Release from Human Tooth Slices
Mentor: Dr. Jennifer Gibbs

Outstanding Presentation by a Dental Hygiene Group
Ms. Christina Silverman, ’13 and Ms. Frederica Raizberg, ’13
Surgical Weight Loss: What Else Are You Losing?
Mentor: Ms. Winnie Furnari
Recruiting the BEST

DR. ASGEIR SIGURDSSON, an internationally known authority on the treatment of dental trauma and pulpal pain, has been appointed chairman of the Quartararo Department of Endodontics, succeeding Dr. Paul Rosenberg, who stepped down after serving as chair since 1990. Dr. Sigurdsson comes to NYUCD from his native Iceland, where he maintained a private practice in endodontics, while also practicing in London, lecturing internationally, and serving as adjunct associate professor of endodontics at the University of North Carolina at Chapel Hill School of Dentistry.
**Ms. Staci Ripkey**, formerly the director of student services at Columbia University College of Physicians and Surgeons, has been appointed assistant dean for student affairs and academic support services. Ms. Ripkey earned an MS degree in education from Columbia University Teachers College (TC) and is working toward her doctorate in education at TC.

**Ms. Elena Alaverdov**, formerly a practice management coordinator at a private practice in Fort Lee, New Jersey, has been appointed a patient treatment center manager in the 5S cariology and comprehensive care treatment center. Ms. Alaverdov earned an MBA degree in healthcare administration jointly from Baruch College Zicklin School of Business and Mount Sinai School of Medicine.

**Mr. Zhen Auyeung**, formerly a ColdFusion/PHP developer at Pica9, a provider of local marketing automation systems, has been appointed web developer in the Office of Technology and Informatics Services (TIS). Mr. Auyeung earned a BA degree in computer science from the Polytechnic Institute of NYU (NYU-Poly).
DR. KING CHONG CHAN has been appointed a clinical assistant professor of oral and maxillofacial pathology, radiology and medicine. Dr. Chan earned a DMD degree from the University of British Columbia Faculty of Dentistry and a certificate in oral and maxillofacial pathology from Hofstra North Shore-Long Island Jewish School of Medicine.

DR. PAOLA COHEN-IMACH has been appointed a clinical assistant professor of prosthodontics. Dr. Cohen-Imach earned a DDS degree from Universidad Nacional de Tucumán in San Miguel de Tucumán, Argentina, and a certificate in prosthodontics from Montefiore Medical Center in New York. She also completed a general practice residency at Montefiore Medical Center and a maxillofacial prosthetics fellowship at MD Anderson Cancer Center.

MS. JOANNE DUNBAR, formerly a financial aid manager at Washington Square, has been appointed assistant director of financial aid. Ms. Dunbar has more than 25 years of experience in administering Federal Title IV (United States federal student financial aid) programs.

MR. OSCAR ELLESEFF, formerly a director of information technology operations in the Enterprise Applications Hosting Division of Allscripts, Inc., a healthcare software and services company, has been appointed director of clinical information technology services. Mr. Elleseff will oversee clinical information technology systems and support staff and will lead the implementation of an electronic health record system.
MS. JEAN GIORDANO, formerly a social media marketing strategist at DefinedLogic, has been appointed web communications specialist in the Office of Communications and Public Affairs. Ms. Giordano has extensive experience as a strategic marketing professional working in communications, web design, and graphic design. As web communications specialist, she will be responsible for creating an accurate, state-of-the-art, and easy-to-maintain website that projects a positive voice for NYUCD.

MS. LATOYA JIMENEZ has been appointed assistant director of instrumentation and sterilization. Ms. Jimenez is studying for a BS degree in business management with a specialty in hospitality management from DeVry University.

MR. BERWYN J. KELLEY SR., formerly a director of operations for St. Vincent’s Health System of Connecticut and St. Mary’s Health System of New York, has been appointed director of materials management in the Office of Clinical Affairs. Mr. Kelley earned an MS degree in business management from Albertus Magnus College.

DR. ASMAHAN A. KHATER has been appointed a clinical assistant professor of prosthodontics. Dr. Khater earned a bachelor of dental science degree from the Jordan University of Science and Technology in Irbid, Jordan, and a certificate in prosthodontics from NYUCD.
DR. EDMUND KHOO has been appointed a clinical assistant professor of orthodontics. Dr. Khoo received a bachelor of dental science degree from the University of Western Australia, Faculty of Medicine and Dentistry, School of Dentistry, and a certificate in orthodontics from NYUCD.

MS. MARSHA METRINKO, formerly senior director of development at the NYU School of Law, has been appointed associate director for major gifts in the Office of Development and Alumni Affairs. At the School of Law, Ms. Metrinko was responsible for major gifts, bequests, charitable trusts, and scholarships.

MS. JOCELYN OCHOA, formerly a budget manager for Carat, Inc., has been appointed budget manager in the Office of Financial Management and Business Operations. Ms. Ochoa earned a BS degree in accounting from NYU, and an MBA degree from the Asian Institute of Management in Manila, Philippines.

MR. JOHNNY PARHAM, III, has been appointed director of the Linhart Continuing Dental Education Program. Prior to joining NYUCD, Mr. Parham was affiliated with Columbia University’s School of Continuing Education, where he was responsible for the planning and implementation of new online degree programs. Mr. Parham holds an MBA degree from the University of Wisconsin and a BS degree in electrical engineering from Howard University.
MS. TANISHA RAIFORD has been appointed director of operations in the Office of Clinical Operations and Patient Care. Ms. Raiford earned an MPA degree from NYU and is working toward her JD degree at Pace University School of Law. Prior to joining NYUCD, she served as administrative director in the department of medicine/department of podiatry at North Shore-Long Island Jewish Health System.

DR. TAKANORI SUZUKI, formerly an assistant professor of operative dentistry at Nippon Dental University in Tokyo, Japan, has been appointed a visiting clinical instructor of periodontology and implant dentistry. Dr. Suzuki earned a DDS degree and a PhD from Nippon Dental University, and certificates in comprehensive care dentistry and implant dentistry from the Advanced Program for International Dentists at NYUCD, where he also completed a fellowship in implant dentistry.

MS. CARMEN TONG, has been appointed associate director for communications and public affairs. Ms. Tong earned a BA degree in communications from Wake Forest University and a certificate in marketing management from NYU. Prior to joining NYUCD, Ms. Tong worked in the communications office of Thomas Jefferson University Hospital, and also worked at the NYU School of Continuing and Professional Studies where she was responsible for developing and implementing strategic public relations, marketing, and communications campaigns for the School.
Promoting Our Own

**DR. CRISTINA TEIXEIRA**, associate professor of orthodontics and of basic science and craniofacial biology, has been appointed chairman of the Department of Orthodontics. Dr. Teixeira served as interim chair of the Department of Orthodontics for the 2011–2012 academic year, succeeding Dr. George Cisneros, who stepped down as chair in spring 2011. Dr. Teixeira’s accomplishments include formulating a comprehensive new curriculum for the Advanced Education Program in Orthodontics and cofounding the Consortium for Translational Orthodontic Research (CTOR), which has facilitated research, development, and clinical testing of new orthodontic treatments and technologies.

**MR. RICHARD ANCHUNDIA**, formerly an admissions officer, has been promoted to assistant director of admissions.
DR. EUGENE H. BASS, formerly a part-time clinical assistant professor of cariology and comprehensive care, has been appointed a full-time clinical instructor of cariology and comprehensive care.

DR. PATRICK BIVONA, formerly a part-time clinical assistant professor of cariology and comprehensive care, has been appointed a full-time clinical assistant professor of cariology and comprehensive care.

MR. DEVELL BROWN, formerly a senior Personal Computer (PC) lab assistant, has been promoted to team leader in the Office of Technology and Informatics Services (TIS).
MR. DANIEL FERRARO, formerly assistant director of systems and infrastructure support, has been promoted to director of systems and infrastructure architecture.

DR. STEVEN H. FISHER, formerly a part-time clinical assistant professor of cariology and comprehensive care, has been appointed a full-time clinical instructor in cariology and comprehensive care.

MS. RACHEL HILL, formerly assistant director of international affairs, has been promoted to director of global outreach and international initiatives.

DR. ZIAD JALBOUT, formerly a part-time clinical assistant professor of periodontology and implant dentistry, has been promoted to part-time clinical associate professor of periodontology and implant dentistry.
MR. MORILLE JEAN-MARIE, formerly an assistant supply manager, has been promoted to manager of clinical supplies.

MR. STEVEN M. KAHN, formerly director of business support systems and research administration, has been promoted to senior director of finance and business operations.

DR. ALEXANDER ROSS KERR, formerly a full-time clinical associate professor of oral and maxillofacial pathology, radiology and medicine, has been promoted to clinical professor of oral and maxillofacial pathology, radiology and medicine.

DR. DAVID LEVENSON, formerly a part-time clinical associate professor of oral and maxillofacial pathology, radiology and medicine, has been appointed a full-time clinical assistant professor of oral and maxillofacial pathology, radiology and medicine.
**DR. RONALD MAITLAND,** formerly a part-time clinical assistant professor of cariology and comprehensive care, has been appointed a full-time clinical assistant professor of cariology and comprehensive care.

**DR. ANABELLA OQUENDO PARILLI,** formerly a full-time clinical instructor in cariology and comprehensive care, has been promoted to clinical assistant professor of cariology and comprehensive care.

**DR. REBECCA POLING,** formerly a part-time adjunct associate professor of orthodontics, has been appointed a full-time clinical assistant professor of orthodontics.

**MS. SHERRY PRABHUDIAL,** formerly a clinic manager, has been promoted to admissions officer.
**DR. STEFANIE RUSSELL**, formerly a clinical assistant professor of epidemiology and health promotion, has been promoted to clinical associate professor of epidemiology and health promotion.

**DR. EMI SHIMIZU**, formerly an adjunct assistant professor and associate research scientist in the Department of Basic Science and Craniofacial Surgery, has been appointed an assistant professor of basic science and craniofacial biology.

**DR. JOEL SILVER**, formerly a full-time clinical assistant professor of cariology and comprehensive care, has been promoted to clinical associate professor of cariology and comprehensive care.

**DR. DAVID TARRAB**, formerly a part-time clinical associate professor of pediatric dentistry, has been appointed a full-time clinical assistant professor of pediatric dentistry.
MS. NAKIA WADE, formerly a human resources generalist, has been promoted to human resources manager.

DR. JOHANNA WARSHAW, formerly a part-time clinical instructor in basic science and craniofacial biology, has been appointed a full-time research assistant professor of basic science and craniofacial biology.

MS. NICOLE WILLIAMS, formerly a senior supply assistant, has been promoted to clinical supply and procurement manager.

MS. STEFANIA WILLIS, formerly a clinical instructor in dental hygiene, has been promoted to clinical assistant professor of dental hygiene.
NYUCD Extends a Warm Welcome to Its Newest Part-time Faculty

Department of Cariology and Comprehensive Care
Dr. Ernesto Bonaparte, Clinical Instructor
Dr. Steven Cordoves, Clinical Instructor
Dr. Shirin A. Cox, Clinical Instructor
Dr. David W. Donelson, Clinical Instructor
Dr. Yukinobu Fukuoka, Adjunct Assistant Professor
Dr. Tiana Hakimi, Clinical Instructor
Dr. Joseph S. Jacob, Clinical Instructor
Dr. Evane J. Newen, Clinical Instructor
Dr. Klenise S. Panahos, Clinical Instructor
Mr. Laurence Passaro, Adjunct Instructor
Dr. Peter Pizzi, Adjunct Instructor
Dr. Christopher Proto, Clinical Instructor
Dr. Shahida Qazi, Clinical Instructor
Dr. Alan M. Smolen, Clinical Instructor
Dr. John W. Strange, Clinical Assistant Professor
Dr. Paul Symeonides, Clinical Instructor
Dr. Samar Tannous, Clinical Instructor
Dr. Ramalingam Vaidya Selvan, Clinical Assistant Professor
Dr. Charles J. Valicenti, Clinical Instructor

Dental Hygiene Program
Ms. Marija L. Cahoon, Clinical Instructor
Ms. Annette N. Huynh, Clinical Instructor
Ms. Jessica Parness, Clinical Instructor
Ms. Anita M. Roth, Clinical Instructor

Department of Endodontics
Dr. Robert S. Gureasko, Clinical Assistant Professor
Dr. Katsushi Okazaki, Adjunct Assistant Professor
Dr. David E. Vazemiller, Clinical Assistant Professor

Department of Epidemiology and Health Promotion
Dr. Bianca A. Dearing, Adjunct Assistant Professor
Mr. Scott Vincent Trueheart, Adjunct Instructor

Department of Oral and Maxillofacial Pathology, Radiology and Medicine
Dr. Ryan S. Lee, Clinical Assistant Professor

Department of Oral and Maxillofacial Surgery
Dr. Lena Al-Sabban, Clinical Instructor
Dr. Claudine Cafferata, Clinical Assistant Professor
Dr. Roy A. Schonbrun, Clinical Assistant Professor

Department of Orthodontics
Dr. Pradip R. Shetye, Clinical Assistant Professor

Department of Pediatric Dentistry
Dr. Jennifer A. Fountain, Clinical Assistant Professor
Dr. Danielle S. Goldstein, Clinical Assistant Professor
Dr. Martina Majstorovic, Adjunct Associate Professor

Ashman Department of Periodontology and Implant Dentistry
Dr. Giuseppe Grasso, Adjunct Instructor
Dr. Steven S. Moss, Clinical Assistant Professor
Dr. Jason J. Starace, Clinical Assistant Professor

Department of Prosthodontics
Dr. Giovanna V. Di Prima Noda, Adjunct Instructor
Dr. Joel C. Gelbman, Clinical Associate Professor
Dr. Michael Litvak, Clinical Associate Professor

Congratulations also to:

DR. VIVIANA AVILA-GNAU, formerly a part-time clinical instructor, on being appointed a full-time clinical assistant professor of cariology and comprehensive care.

KERRY D’AIUTO, formerly assistant director of human resources and faculty services, on being promoted to director of human resources and faculty services.

MS. KY-SHANA URIE, formerly an assistant clinic manager, on being promoted to clinic manager.

DR. NICHOLAS VERNICE, formerly a part-time clinical assistant professor of cariology and comprehensive care, on being appointed a full-time clinical instructor of cariology and comprehensive care.

DR. COLLEEN A. WATSON, formerly a part-time clinical assistant professor of cariology and comprehensive care, on being appointed full-time clinical instructor in cariology and comprehensive care.

DR. JUNE WEISS, formerly a part-time clinical assistant professor of cariology and comprehensive care, on being appointed full-time clinical assistant professor of cariology and comprehensive care.
“The dentists are coming! The dentists are coming!” Such was the refrain uttered repeatedly by schoolchildren during NYUCD’s September 2012 outreach to the tri-island nation of Grenada, Carriacou, and Petite Martinique.

Since January 2010, NYUCD has been involved in a Grenadian national school-based oral health program designed to develop a sustainable preventive model for this Caribbean nation, whose entire population totals approximately 108,000 people. The Grenada initiative has been the most comprehensive oral health assessment and prevention program ever undertaken by NYUCD.

Caroline Gordy, Class of 2013, made her third trip to Grenada in September. “As soon as our van pulled up to a school, kids would run toward us and hug us. They even remembered our names, which really makes you realize what an impact we are having on their lives.” On each of her three visits, Dr. Gordy has been involved in the implementation portion of the preventive program, which has been carried out on six different occasions since September 2011.

“What’s unique about these visits is that they focus solely on prevention, rather than on fixing a tooth or alleviating pain,” said Dr. Mark Wolff, professor and chair of the Department of Cariology and Comprehensive Care and associate dean for predoctoral clinical education, who serves as co-director of the Grenada outreach.

“Our first trip in January 2010 was an initial survey phase that involved oral health assessment of over 1,000 children using the World Health Organization (WHO) Basic Oral Health Survey. We also ran a weeklong clinic to provide general and emergency care. Since then we have conducted an outreach clinic once a year, while providing school-
The Grenada initiative has been the most comprehensive oral health assessment and prevention program ever undertaken by NYUCD.

Based education three times a year. The goal with Grenada has always been to create a sustainable oral healthcare system."

In May 2013, Dr. Wolff conducted a follow-up survey using the same World Health Organization (WHO) Basic Oral Health Survey to compare changes in the prevalence of decay in children. The initial survey’s baseline data revealed an alarmingly high prevalence of caries at 83.4 percent. At that time approximately 25 percent of the children interviewed said that they did not own a toothbrush and an even greater number had never visited a dentist.

"As we did in fall 2011, last September’s trip involved an initial distribution phase, in which we spent three days distributing toothbrushes, toothpaste, toothbrush head covers, and fluoride varnish to schools serving a total of approximately 26,000 children," said Rachel Hill, NYUCD’s director of global outreach and international initiatives. The dental supplies were part of a generous donation from Colgate, one of the major sponsors of the outreach project, along with Henry Schein Cares, GC America, and Grenada’s Ministry of Health.

After wrapping up the distribution phase, the NYUCD team, along with a local dental team, went to the schools for two weeks. In the primary schools (kindergarten through 8th grade), the team visited classrooms where the teachers have been keeping logs to track daily brushing, as well as quarterly varnish and sealant applications.
Students in first, second, and third grades had sealants applied to newly erupted first-permanent molars and to those teeth that had not retained sealants applied on previous visits. Lastly, all the students received fluoride varnish, which was applied by teachers who had been trained by the outreach team. Additional fluoride varnish was given to the school principals to be reapplied by teachers in three months.

“We are now transitioning from an NYUCD-dependent environment to an independent environment,” said Dr. Wolff. “All of the teachers are now active participants. They run the toothbrushing program in the classroom every day and are trained to paint the fluoride varnish on their students’ teeth, both activities that are critical components of the project.”

The team also visited the pre-primary (pre-kindergarten) schools, where teachers are equally integral to the program’s sustainability. “With these children our hope is to have a major impact since they are learning about the importance of brushing at an early age,” said Dr. Stuart Hirsch, vice dean for international initiatives and development and co-director of the Grenada outreach. “The secondary students, whom you can view as equivalent to our high school students, are a unique group since they are at an age where they do not want to be told what to do and are often embarrassed if they have visible problems with their teeth. Still, we have been persistent in working with the teachers to help them oversee brushing and also carry out fluoride varnish applications.”

This time around, the team applied fluoride varnish to approximately 13,864 children (3,163 pre-primary school and 10,701 primary schoolchildren) and placed 13,847 sealants on 4,509 primary schoolchildren. Additionally, the team distributed supplies to 7,698 secondary school students. They returned in late February for the final phase of implementation.

One of the challenges facing the program is the high level of refined carbohydrates in the typical Grenadian diet. “This is problematic,” said Dr. Hirsch, “since dietary changes require behavioral modifications that we can’t control as much as we might like. We are meeting with PTA groups and discussing the importance of proper nutrition, and may put recommendations regarding this issue in our final report to the government of Grenada.”

As the three-year outreach nears its conclusion, Ms. Hill and Mr. Chris Tung, the team’s research administrator, are conducting a financial analysis of the project. The goal is to help guide the government in their future oral healthcare planning. “We hope to demonstrate that prevention will not only improve health and quality-of-life issues, but will also prove economically beneficial in the long run,” said Dr. Hirsch. “My overall hope is that this survey will have a major impact and can be used as a model for other countries that have a dearth of dental...”
care and a large amount of oral disease."

Like the Grenadian teachers, the local dentists, dental auxiliaries, hygienists, nurses, and other healthcare professionals who have been actively involved with the NYUCD team have now expanded their oral healthcare functions and are ready to take the reins once NYUCD transitions to an advisory role.

Members of the government of Grenada, particularly those in the Ministries of Health and Education, have been integral in making the outreach run smoothly. "We have been very fortunate to work with people who have been extremely cooperative and have the desire to improve the oral health of their country," said Dr. Hirsch.

The outreach has transformed not only the way thousands of Grenadians view oral health care, but also the perspectives of the NYU dental students who have been to Grenada. "We find that initially all dental students are excited about doing restorative and surgical work," said Dr. Wolff. "But on this outreach they really learn that prevention is every bit as important as restoring a tooth. In Grenada we have transformed outreach into a mission that hopefully has a lasting impact, a rather novel concept for a healthcare institution."

Dental student Caroline Gordy said, "Patients need to know how to take care of themselves, otherwise the care we provide is not going to last. These trips to Grenada have literally changed my perspective, and I think I will be a better dentist for it."

—Stephanie Susnjara

September 2012 Grenada outreach team participants:

**Faculty/Staff/Administrators**
- Dr. Stuart Hirsch – Program Director
- Dr. Mark Wolff – Program Director
- Ms. Rachel Hill – Director of Global Outreach and International Initiatives
- Ms. Alison Kurtz – Assistant Director of Global Outreach
- Ms. Danielle Becker – Program Administrator, Global Outreach
- Mr. Chris Tung – Research Administrator, Global Outreach
- Ms. Gracelyn Harris – Program Coordinator

**Pediatric Dentistry Team**
- Dr. Lily Lim – Pediatric dentistry faculty
- Ms. Keila Figueroa – Pediatric dentistry administrator
- Dr. Michelle Kim – PG1/Grenada veteran
- Dr. Dena Sapanaro – PG1/Grenada veteran
- Dr. Sheena Singh – PG1/Grenada veteran
- Dr. Michelle Goldstein – PG2

**Dental Hygiene Team**
- Ms. Cyndy Howard – Dental hygiene program faculty
- Ms. Lori Kirby – Dental hygiene program faculty
- Mr. Omar Batista – BS in dental hygiene program degree candidate

**Class of 2013**
- Dr. Will Cheng
- Dr. Matthew Epstein
- Dr. Caroline Gordy
- Dr. Hans Hsu
- Dr. Paul Hung
- Dr. David Juhn

**DDS Students**
- Ms. Kostantina Abate – D3
- Ms. Rebekah Browder – D3
- Ms. Samira Ehteshami – D3
- Ms. Heather Kunen – D3
- Ms. Roni Kushnir – D3
- Ms. Candace Lee – D3
- Mr. Joseph Lee – D3
- Ms. Yoo Lee – D3
- Mr. Vikaskumar Patel – D3
NYUCD Launches Ecuador Outreach Program

Three hours northwest of the Guayaquil airport, past small villages and farms, recent graduate Dr. John Matthes, ’13, took his first look at the one-story, tin-roofed houses of Manta, Ecuador, an industrial tuna-fishing town on the Pacific Ocean with a population of about 200,000. Dr. Matthes was part of a 39-member team from NYUCD that had come for a week in October 2012 for the first of several visits planned to improve access to dental care for a population with significant needs.

Ecuador is the newest site in the NYUCD-Henry Schein Cares Global Student Outreach Program—joining Nicaragua, Grenada, Mexico, Alaska, northern Maine, and Hudson, New York—where more than 200 NYU dental students, residents, and faculty travel each year to address severe shortages of dental care. Although Manta has a dental college, it does not have the resources to do outreach on a large scale, and, as in many developing-world cities, poverty impedes access to dental care.

Dr. Matthes, who had joined an earlier NYUCD outreach to Alaska, was immediately struck by the overwhelming need in Manta, where the team set up a clinic on October 13 in a large elementary school. By the end of the week, they had treated 300 children and 660 adults, and provided training to several dental students and faculty from the local dental college.

“I knew that we’d see a lot of patients, but the level of need for each person was alarming, and much of it was emergency care,” says Dr. Matthes. “Patients had tooth pain to the point where they needed extractions, and many others required fillings, restorative treatment, and endodontics.”

The impetus for the Ecuador outreach program came from Dr. Maria Acebo, who grew up in Manta and is married to Dr. Todd Ross, a clinical assistant professor of cariology and comprehensive care at NYUCD. She proposed the site to Dr. Stuart Hirsch, vice dean for international initiatives and development, and, in July 2011, he and Rachel Hill, director of global outreach and international initiatives, traveled to Manta with Dr. Acebo to conduct a site visit. As with all of the College’s outreach programs, their first task was to ensure that the project offered opportunities for service, teaching, and research—which are central to NYUCD’s mission. In addition, any intervention must be sustainable, both in terms of ongoing patient care and finances. “We don’t offer one-time service and then disappear,” says Dr. Hirsch.
In all of its outreach programs, NYUCD seeks a local partner, with a vested interest in the initiative, to cover in-country costs. That partnership is critical to sustaining the program. To this end, Dr. Acebo connected NYUCD with Juan José Malo, president of the Ecuadorian American Chamber of Commerce, which provided a three-year commitment of financial support to cover lodging, meals, and ground transportation for the NYUCD team within Ecuador. NYUCD covered the costs of airfare and brought its supplies into the country with funding from Henry Schein Cares.

As children flowed into the intake station that had been set up in a classroom at Pedro Fermin Cevallos school, they were assessed by a pediatric dentist working in conjunction with postdoctoral students in pediatric dentistry and fourth-year dental students. All children received preventive care, including toothbrushing instruction, fluoride varnish, and sealants applied to permanent first molars.

“For every 100 children, about 60 needed additional care such as fillings,” says Dr. Hirsch, “and the adults’ needs are tremendous. You see people who need fillings and root canals and with teeth that are beyond repair. The latest theories and sophisticated techniques allow root canals to be finished in one visit.”

The team found that children with special needs, such as those with autism or Down syndrome, had received little or no dental care in their lifetimes.

“One really good experience was being able to treat a five-year-old boy who was diagnosed with HIV,” says Dr.

“The outreach programs are a part of the culture of the NYU College of Dentistry, and help our community think more broadly about what it means to be a healthcare professional. We all come away from the experience, as our dean says, ‘transformed.’”

Dr. Stuart Hirsch
Jake Fried, a first-year pediatric dentistry resident. “He was brought in by his cousin because his parents were deceased, and he hadn’t been treated dentally because of the lack of local training in disease and behavioral management. He had a lot of caries, but we were able to treat him successfully.”

Ms. Hill explains that the teaching component of the outreach program is geared toward both NYUCD students and local dentists. “Local dentists were thrilled to hear our faculty members Drs. Paul Rosenberg and Raid Sadda and postgraduate endodontics student Dr. Lina Cortes deliver continuing education lectures on the most up-to-date techniques in endodontics and oral surgery at Universidad Laica Eloy Alfaro de Manabi,” she says.

The research component of the outreach program is centered on access to care and the development of models that can be transported to any underserved context. In Ecuador, NYUCD used tablet computers to capture baseline diagnoses and treatment, which will enable the team to track patient outcomes over time.

“We aim to work with the same pediatric population repeatedly, for continuity of care, so we’re able to track the progress of preventive measures and fully complete our work on the same children,” says Ms. Hill.

Drs. Fried and Matthes agree that local enthusiasm for the program ran high. Patients were extremely grateful to receive care and recognized the compassion of NYUCD’s students, faculty, and staff who donated their skills. The local dental college appreciated both the service to the community and the opportunity to exchange information with an American dental school.

The ultimate goal of NYUCD’s outreach programs is to develop sustainable models that improve the oral health of the affected population. NYUCD left behind preventive materials, such as fluoride varnish, with local teachers and health professionals, who will provide this treatment to children every three months. NYUCD also worked with school officials to encourage toothbrushing in schools, and talked with parents about dental health, particularly dispelling the myth that deciduous teeth are not important.

In October 2013, when the team returns for its second visit, its members will examine the same children to test the long-term effects of the intervention. They hope to see a measurable reduction in tooth decay.

Dr. Hirsch says that the impact of this type of outreach is felt at home as well. “The outreach programs are a part of the culture of the NYU College of Dentistry, and help our community think more broadly about what it means to be a healthcare professional. We all come away from the experience, as our dean says, ‘transformed.’”

That view is shared by Dr. Matthes, whose interest in public health has grown as a result of his experience in Ecuador. “Hopefully, in the near
future, I’ll be able to give back in a way that only a dentist can,” he says.

Dr. Fried notes that the College’s outreach opportunities are a strong selling point for the residency programs. “Part of the excitement is that you don’t know where you’ll go,” he says. “I had no idea what to expect, but it exceeded what I had imagined. I gained a lot of clinical knowledge, but I also gained global perspective.”

The volume of patients also required Dr. Fried to think on his feet, diagnosing problems immediately and treating them quickly. “It was a blur,” he says. “I lost count of our patients on the first day, the need was so great. There are just not enough dentists to meet the need. I would go back in a heartbeat.”

To view a video of NYUCD’s outreach to Ecuador, please go to: http://www.nyu.edu/dental/news/nyucdtv/ecuador.html.

—Barbara Kancelbaum

Ecuador Outreach Participants

Faculty/Staff
Dr. Stuart Hirsch – Program Director
Dr. Mark Wolff – Training Director
Ms. Rachel Hill – Director of Global Outreach and International Initiatives
Ms. Alison Kurtz – Assistant Director of Global Outreach
Ms. Danielle Becker – Program Administrator, Global Outreach
Dr. Maria Acebo, Program Coordinator
Ma. Chris Tung – Research Administrator, Global Outreach
Dr. Eugenia Mejia, Senior Director, Admissions
Dr. Evan Hershkowitz – Pediatric dentistry faculty
Dr. Raid Sadda – Oral and maxillofacial surgery faculty
Dr. Paul Rosenberg – Endodontics faculty
Dr. Todd Ross, Cariology and comprehensive care faculty
Dr. Azadeh Ahmadi-Ardakani – Pediatric dentistry faculty
Dr. Heather Baumbardt – Pediatric dentistry faculty
Mr. Jim Lopes - Henry Schein Cares
Mr. Matthew Morrison - Videographer

Residents
Dr. Allan Pang - PG1, Pediatric dentistry
Dr. Jake Fried - PG1, Pediatric dentistry
Dr. Ammar Asali - Advanced Study Program in Pediatric Dentistry
Dr. Pedram Khosravian - PG2, Endodontics
Dr. Ahmed Matri - PG2, Endodontics
Dr. Lina Cortes - PG2, Endodontics
Dr. Miltiadis Lagoudis – Advanced Study Program in Comprehensive Care Dentistry
Dr. Deborah Vargas – Advanced Study Program in Comprehensive Care Dentistry

Class of 2013
Dr. John Matthes
Dr. Caroline Gordy
Dr. Rebekah Nguyen
Dr. Bobby Bakhshoudeh
Dr. Cindy Lan
Dr. Patricia Izquierdo

DDS Students
Ms. Amanda Budiman, D3
Ms. Sarah Prehn, D3

Dr. Vivienne Zhang
Dr. Jeremy Wertman
Dr. Connie Peretta
Dr. Eric Peterson
Dr. Lubinkia Kozovski
Dr. Nick Levinto
NYUCD Collaboration with Royal College of Surgeons in Ireland Provides Unique Opportunity for Prestigious International Specialty Credential

For the past five years, NYUCD, in collaboration with the Royal College of Surgeons in Ireland (RCSI), has offered training in oral surgery, with complementary training in oral medicine, to international dentists from across the globe. The RCSI chose NYUCD as its sole North American training site for dentists seeking to improve their clinical skills in oral surgery and oral medicine and to gain experience to bring back to their countries of origin.

Upon completion of the three-year program, trainees are eligible to take the Fellowship of the Faculty of Dentistry RCSI (FFD RCSI) examination. In 2011, NYUCD became the first site outside of Ireland to offer this examination to students who have completed an RCSI-approved training program. Passing this specialty examination provides an internationally respected credential, conferring status and prestige in many countries around the world—not only in Ireland and the UK, but also in the Middle East, Asia, Australia, and Africa.

The NYU-RCSI curriculum is somewhat different from the NYUCD postgraduate track. The domestic program has an oral and maxillofacial surgery focus, in which dentists are trained to perform both dento-alveolar and head and neck surgery, including treatment of tumors and trauma, and reconstruction. The international specialty program is focused on oral surgery and oral medicine, aimed at dentists who perform primarily dento-alveolar procedures as well as diagnostic oral-medicine procedures. However, because NYUCD is renowned for its oncology, salivary gland, and reconstructive surgical techniques, international students who are enrolled in this program will also be exposed to a vast amount of head and neck surgery.

“NYU has a global mission, and this program fits in extremely well with that mission. We want to provide our students with opportunities to interact educationally with people who bring an international perspective in support of the growth of NYU’s offerings overseas.”

Dr. Robert Glickman
“Because NYUCD offers this program, we’re able to attract the very best candidates seeking advanced specialty training in the United States,” says Dr. Robert Glickman, professor and chair of the Department of Oral and Maxillofacial Surgery. “This type of training is difficult to access, and we’re very happy to be able to offer it here.”

In addition, any international postgraduate student at NYUCD, by virtue of having completed at least 12 months of training in an RCSI-approved program, along with students from any US-based or international university, is eligible to take the Membership of the Faculty of Dentistry RCSI (MFD RCSI) examination—a prerequisite for students wishing to enter into specialist training programs in Ireland, the UK, the Middle East, Asia, Africa, and Australia.

In the past two years, 11 candidates have successfully completed the MFD RCSI and five have completed the FFD RCSI at NYUCD. They include dentists from India, Jordan, Kuwait, and Trinidad and Tobago.

“If you pass the RCSI specialist exams, you’re considered a specialist in a range of countries and can move among them,” says Dr. Brendan O’Connor, program director for international dentists in oral surgery at NYUCD, who brought the two universities together. “For example, if you are a dental specialist in Spain, and you want to work in Germany, you will be recognized if you took the exam at NYUCD.”

As the program matures, NYUCD is collaborating with the RCSI to expand its international specialty training beyond oral surgery and into areas such as pediatric dentistry, orthodontics, and prosthodontics. FFD RCSI examinations are available for these specialties, and NYUCD could potentially become a testing and training site in these areas. It is also developing an exchange program to send dental residents to Ireland to receive part of their training at RCSI hospital affiliates in Dublin.

“The team in Dublin is one of the premier training sites in the world,” says Dr. Glickman. “They can offer our students a different kind of cultural and surgical experience.”

As a result of the collaboration with RCSI, four NYUCD faculty members have been named official examiners of the FFD: Drs. Glickman and O’Connor, Vasiliki Karlis, and Andrea Schreiber. This designation enables them to examine specialty candidates anywhere in the world in conjunction with other RCSI examiners. In addition, there are two recognized MFD examiners at the College: Drs. Kenneth Kurtz and Amr Moursi. Dr. Gerard Kearns, dean of the RCSI Faculty of Dentistry, came to NYU to administer the first FFD examination in June 2012—the first time it was given in the United States. In addition, the RCSI awarded Dean Charles Bertolami its highest accolade, the Honorary Fellowship, at a special ceremony in Dublin in 2011. He shares this prestigious accolade with dental leaders including Dr. Per-Ingvar Branemark and former President of Ireland Mary McAleese.

Says Dr. Glickman: “NYU has a global mission, and this program fits in extremely well with that mission. We want to provide our students with opportunities to interact educationally with people who bring an international perspective in support of the growth of NYU’s offerings overseas.”

—Barbara Kancelbaum
East Meets West: International Programs Faculty and Alumni Reunite in Malaysia and Thailand

Representing NYUCD’s Advanced Study Programs for International Dentists, Dr. K. Michael Ghalili, director of the Advanced Program in Comprehensive Dentistry for International Dentists, and Ms. Li Ruan, assistant director of international programs, traveled in January to Malaysia and Thailand, where Dr. Ghalili and Ms. Ruan reunited with alumni of NYUCD’s international programs, many of whom are now in leadership positions in their countries, and where Dr. Ghalili presented a series of lectures.

“The idea of extending NYUCD’s expertise and friendship to alumni and their colleagues worldwide is a key part of NYUCD’s history, tradition, and mission,” said Dr. Ghalili.

Dr. Ghalili and Ms. Ruan visited the Faculty of Dentistry at University Teknologi MARA (UiTM) in Shah Alam, Selangor, Malaysia, the largest public university in Malaysia. The founding dean and the deputy dean of UiTM had visited NYUCD in 2012. Since that visit, UiTM has sent two faculty members to study in NYUCD’s Advanced Programs for International Dentists. Dr. Hu Chang Lek, a 1990 graduate of NYUCD’s Advanced Education Program in Orthodontics, is currently president of the Malaysian Dental association.

In Thailand, Dr. Ghalili and Ms. Ruan hosted a reception for 40 alumni, prospective students, and their families. Sixty alumni of the Advanced Study Programs for International Dentists reside in Thailand, where they serve as strong referral sources for our international programs. NYUCD hosts an alumni gathering in Thailand every two years.

“We traveled approximately 7,000 miles to visit our Malaysian and Thai alumni,” said Dr. Ghalili. “It was immensely gratifying and we’d do it again in minute.”

Snapshots of Dr. Ghalili’s travels in Malaysia
Leaving their home institutions in Brazil, Japan, Thailand, China, and the UK to launch new research projects and forge partnerships, the international visiting scholars who came to NYU College of Dentistry for the 2012–2013 academic year are among the brightest and most promising clinician-scientists in dentistry. Their studies have long-term implications for oral health, including improving clinical treatment of bone defects, osteoporosis, and severe childhood caries; discovering plant-derived treatments for osteonecrosis; and using photodynamic therapy and natural dyes to eliminate cariogenic bacteria.

Together, these international scholars contribute to the vitality, creativity, and academic rigor that characterize our institution; and when their studies conclude, they bring those qualities—and the skills, networking, and experience they gain at NYUCD—back with them to their home institutions and practices, improving access to advanced oral health care around the world.

Roger Ellwood, MDS, MSc, PhD, FFPH, director of clinical method development in the Oral Care Research and Development Division of Colgate-Palmolive, heads the Colgate Palmolive Dental Health Unit at his home institution, the University of Manchester in England. A specialist in dental public health, Dr. Ellwood said he was attracted to dentistry because of the wide range of expertise it requires.

“Very few degrees give you such a broad range of
knowledge and the ability to interact with such a diverse range of disciplines,” he said.

During his time at NYUCD, Dr. Ellwood is drawing on a longstanding collaboration with Dr. Mark Wolff, professor and chair of the Department of Cariology and Comprehensive Care, to develop a clinical research agenda that is “vital to the development of a pipeline of new products and their assessment.” Dr. Ellwood earned his bachelor of dentistry degree from Liverpool University; a master’s in dental surgery and PhD in dental epidemiology and diagnostic science from University College Cork; and a master of science degree from the University of Manchester.

Marco Paschoal, DDS, MSc, is a PhD candidate in pediatric dentistry at São Paulo State University, Araraquara School of Dentistry, who came to NYUCD by way of CAPES, a Brazilian government program that offers scholarships for international postgraduate study. Dr. Paschoal’s research—overseen by mentor Dr. Simone Duarte, assistant professor of basic science and craniofacial biology—focuses on the control of oral biofilms formed by cariogenic bacteria using photodynamic therapy, an antimicrobial method which involves the use of dyes and light sources to kill bacteria and reduce dental plaque without damaging oral tissues.

Dr. Paschoal is testing a natural dye called curcumin—a natural phenol responsible for the yellow color of the traditional Indian spice turmeric that has been shown to have anticarcinogenic and antimicrobial properties—by applying light sources such as light-emitting diodes or lasers to enhance curcumin’s antimicrobial efficiency.

A pediatric dentist by training (he earned his DDS degree and a master of science degree in pediatric dentistry from the Bauru School of Dentistry at the University of São Paulo), Dr. Paschoal said, “My passion is when I see the smiles of my young patients and realize that I did my best to solve their problems. When I’m able to relieve their pain, I know I’m in the right job—I can’t imagine doing anything else!”

Prakaimuk Saraithong, BSc, MSc, a PhD candidate in biodiversity and ethnobiology from Chiang Mai University in Thailand, is enjoying her second stint as a visiting scholar in the Department of Basic Science and Craniofacial Biology under the mentorship of Dr. Yihong Li. Dr. Saraithong first came to NYUCD in 2009 on a three-month scholarship from NYUCD and Colgate-Palmolive. Three years later, Dr. Li was instrumental in helping her return to conduct research for her PhD thesis. “Dr. Li is the best mentor I’ve ever had. She always has good suggestions about how to refine my experiments, and she encourages me to attend classes and conferences.”

Dr. Saraithong’s research examines the diversity of normal bacterial flora in the midguts of the Giant Asian and Dwarf Asian honey bees, as well as the changes and transition of bacterial composition during different developmental stages. Using the bees as a comparative model for humans, the results of her work can shed light on how microbials are transmitted from mother to child and through direct contact with the environment. “For example,” Dr. Saraithong explained, “early-childhood caries (ECC) is an infectious and transmissible disease, usually transmitted by primary caretakers with untreated dental disease.”

In addition, Dr. Saraithong is a full-time assistant research scientist on a new National Institutes of Health-funded research project aimed at identifying and classifying Lactobacilli bacteria found in patients with severe ECC.

Tadahiro Takayama, DDS, PhD, a periodontist who earned his DDS and PhD degrees from Nihon University in Japan, brings a unique clinician’s perspective to his research at NYUCD. “Because I have always treated patients,” Dr. Takayama said, “I can design research studies that will be directly useful in the dental clinic.” To that end, Dr. Takayama’s research reflects his clinical interests in tissue and bone regeneration. Under the mentorship of Dr. Seiichi Yamano, assistant professor of
prosthodontics, Dr. Takayama has devised a new approach to collagen membranes (CM)—frequently used as a regenerative procedure in guided bone and tissue regeneration because of their ability to enhance cell repopulation and reconstitution of the periodontal attachment apparatus and the bone—that sustainably releases growth factors over time. If successful, this new CM approach could promote shorter healing times and enhanced bone quality and quantity for patients receiving clinical treatment of bone defects.

**Xiaozhe Wang, DDS, PhD,** earned her bachelor’s degree in stomatology, her DDS and her PhD degrees from Peking University School and Hospital of Stomatology in Beijing, where she is on the faculty. Dr. Wang came to NYUCD to strengthen her research capabilities as a mentee of Dr. Nicola Partridge, professor and chair of the Department of Basic Science and Craniofacial Biology and an expert in the field of bone metabolism. Dr. Wang’s research focuses on the parathyroid hormone (PTH), a major regulator of calcium metabolism. Her results indicate that PTH-induced bone formation is associated with protein Wnt-4 derived from periosteum and trabecular bone.

“We are trying to explore part of the mechanism of PTH-induced bone formation and hoping to find a better treatment for osteoporosis,” Dr. Wang said.

A clinician at heart and by training, Dr. Wang aspires to be a pediatric dentist in a preventive dentistry department. “I really enjoy communicating with patients during treatment. Helping relieve children’s pain and improve their knowledge of oral health care makes me feel so satisfied.”

**Patricia Wiziack Zago, DDS, MSc,** is a PhD candidate in pharmacology at Piracicaba Dental School at the State University of Campinas, where she also earned her DDS and a master of science in pharmacology degrees. Dr. Zago is testing a native Brazilian plant with wound-healing properties to see if it is capable of promoting cell proliferation or protection against the harmful effects of bisphosphonate, a class of drugs that, while used to prevent loss of bone mass in patients with disorders such as multiple myeloma, can cause osteonecrosis, an incurable bone wound. Her research may provide an important alternative therapy for people who suffer from BRONJ (bisphosphonate-related osteonecrosis of the jaw).

Dr. Zago said it is this possibility of giving back to others that drives her passion for dentistry. “If I can make my work worthwhile to society by discovering a new medicine or a new way of treating disease, I would feel gratified. I am fascinated by the possibility of helping people recover their smiles, their welfare, and their self-esteem.”

—Sara Daniels

Together, these international scholars contribute to the vitality, creativity, and academic rigor that characterize our institution; and when their studies conclude, they bring those qualities—and the skills, networking, and experience they gain at NYUCD—back with them to their home institutions and practices, improving access to advanced oral health care around the world.
Septodont North America, an innovative product development and manufacturing corporation dedicated exclusively to the dental profession, has made a major gift to NYUCD which the College has recognized with the naming of the Septodont Lecture Hall, formerly the Saklad Auditorium. Renovations are expected to be completed by mid-August 2013.

With seating for 443 people, the Septodont Lecture Hall will be NYUCD’s largest facility for student lectures, continuing education programs, and school-wide and community events. To perpetuate the memory of Dr. Maurice J. Saklad, Class of 1941, NYU alumni trustee, and longtime member of NYUCD’s prosthodontics faculty, the area adjacent to the Septodont Lecture Hall has been renamed the Saklad Atrium.

“Since its establishment in 1979, the Saklad Auditorium has been the site of nearly 32,000 classes for more than 28,000 students," said Dr. Michael P. O’Connor, executive vice dean for administration and finance. "Thirty-four years of extreme utilization have contributed to extensive wear and tear, and the once-splendid auditorium facilities have become worn-out and antiquated. Septodont’s visionary gift will allow NYUCD to transform the space into a 21st-century facility that boasts the latest in technology, design, and function.

“The Septodont Lecture Hall will be equipped with state-of-the-art technology and amenities such as a large new projection screen, tablet-arm seating to give students a place to rest their computers and notebooks, and 130
outlets from which to charge laptops and other electronic devices. Our students, faculty, staff, and guests will soon be able to enjoy a truly modern, comprehensive lecture hall.”

Additional upgrades include aisles to improve entry and exit to and from seats, new carpeting, acoustical improvements, installation of NYU banners, a new podium, new wireless microphones and ceiling speakers, a new digital media processor, recording capabilities for archiving and podcasting lectures, perimeter shelving for power-charging stations, and new ceiling lighting.

Septodont is a family-owned company established over 80 years ago in Saint Maur, France, the site of the global corporate headquarters. With manufacturing plants in France, India, Canada, and the USA, Septodont is known globally as a quality manufacturer of dental products. Septodont’s products are registered in over 150 countries worldwide.

“We are honored to be able to help make a difference at the NYU College of Dentistry. Our contribution to the modernization of the new Septodont Lecture Hall is an opportunity to further enhance the excellent educational environment that NYU is known for around the world,” said Olivier Schiller, third-generation heir to the company and current CEO. “We recognize the quality of dentistry that comes out of this fine school as well as cutting-edge research that will make such a positive difference in how dentistry is practiced in the future.”

“NYUCD is proud to name the Septodont Lecture Hall in recognition of Septodont’s extraordinarily generous and thoughtful gift,” said Dean Charles N. Bertolami. “We are confident that our academic community and visitors will appreciate the new look and feel of the space for years to come.”
Healthplex Gift Will Expand Global Student Outreach

Healthplex, Inc., the largest dental insurance provider in New York State, has made a major gift to NYUCD to expand its Global Student Outreach Program—the Henry Schein Cares-NYU College of Dentistry Global Student Outreach Program—established in 2009 with a major gift from Henry Schein Cares. This latest gift from Healthplex builds on a strong history of support from the company. Through the program, NYU dental students and faculty provide free care to pediatric populations in need worldwide and also seek to publicize the program model broadly to encourage replication by other academic dental centers.

Dr. Martin J. Kane, president of Healthplex, Inc., and Dr. Stephen J. Cuchel, chairman of the board, are 1964 graduates of NYUCD, former classmates, and partners and friends for nearly 50 years.

“We are thrilled to support this program,” said Dr. Kane. “With its commitment to assessment, complete treatment, and sustainable dental services to children throughout the world, NYUCD’s Global Student Outreach Program is a model for emphasizing the importance of access to care and NYU dental students’ responsibility as dentists to provide care and advocacy for underserved populations. This is a goal that Healthplex shares with NYUCD. Indeed, one of Healthplex’s proudest initiatives is our outreach to pediatricians, encouraging them to refer their patients to pediatric dentists.”

“NYUCD was clearly a pivotal part of our success,” said Dr. Cuchel. “It was a place where we thrived. We’re happy to be able to give back not only because of the importance of NYUCD in our own lives, but also because by helping to graduate increasingly more competent and socially minded dentists, NYUCD is helping to ensure that the people for whom we provide services will have more opportunities for quality care.”

“We are deeply grateful to Drs. Kane and Cuchel for their wonderful gift,” said Dean Bertolami. “Through Healthplex’s generosity, NYUCD will be able to further expand this highly successful outreach program, allowing more students to provide care to more underserved communities than ever before and to benefit from the transformative power of this experience.”
NYUCD Awarded CTSI Grant to Develop Cancer Survivor Caregiver Support Program for NYC’s Korean Community

Dr. Raveis created the original English-language version of the program with funding from a five-year, $3.3 million grant awarded to her in 2005 by the National Cancer Institute.

Dr. Raveis is partnering with Ms. Linda Lee, executive director of the Korean Community Service Center of Metropolitan New York, to translate the program into Korean, incorporate Korean core values and attitudes into it, and recruit 20 family caregivers to test the program. Most of the family caregivers will be adult children and spouses of cancer survivors residing in the Korean community in Queens, New York.

The program aims to provide adult family caregivers with information and training to address issues that families commonly encounter in the post-treatment period, when patients are no longer being closely monitored by a healthcare provider.

The NYU Clinical Translational Science Institute (CTSI) has awarded the NYU College of Dentistry a one-year pilot grant to translate an English-language caregiver support program into Korean and to culturally adapt the program for families of Korean-American cancer survivors ages 55 and over. CTSI, a partnership between NYU’s Langone Medical Center and the New York City Health and Hospitals Corporation, is funded by a grant from the National Center for Research Resources at the National Institutes of Health (NIH).

The study is being led by Dr. Victoria H. Raveis, a medical sociologist, research professor of cariology and comprehensive care, and director of the NYU College of Dentistry’s Psychosocial Research Unit on Health, Aging, and the Community.

Dr. Raveis is also a co-investigator on a new CTSI Pilot Award funded by the NIH to develop an early intervention fall prevention program to treat people who have sought care at NYU’s Pearl I. Barlow Center for Memory Evaluation and Treatment. The pilot project is being led by Dr. Jane Bear Lehman, associate professor and chair of the Department of Occupational Therapy at the NYU School of Medicine.
Dr. Mary Northridge Awarded $3.7 Million NIH Grant to Study How Older Adults Access Oral Health Care in Underserved Urban Communities

Dr. Mary E. Northridge, assistant professor of epidemiology and health promotion, has been awarded a five-year, $3.7 million grant from the National Institute of Dental and Craniofacial Research (NIDCR) and the Office of Behavioral and Social Sciences Research (OBSSR), of the National Institutes of Health (NIH), to analyze how racial and ethnic older adults living in underserved urban communities in NYC overcome barriers to accessing oral healthcare services.

The research will involve recent systems science methodological developments enabled by computational advances, which have spurred a body of research on the effects of multiple scales and dimensions on health behaviors and outcomes using sophisticated computer modeling to assist in analyzing the data.

“Systems science is an approach which includes data from the micro-scale of the mouth, to the interpersonal scale of social networking in the community, to the societal scale, involving issues such as the lack of Medicare coverage for routine dental exams. The systems science approach to framing the problem of dental health among disadvantaged urban older adults is a way of visualizing the problem,” said Dr. Northridge. “This visualization makes it easier to convey the breadth of issues involved in oral healthcare access for older adults and to draw up recommendations for overcoming access-to-care barriers,” she said.

Using system dynamics modeling, Dr. Northridge and her team seek to advance research that began in 2010 when the NIDCR and the OBSSR awarded Dr. Northridge a two-year, $431,914 grant to examine the oral health of medically and dentally underserved Hispanic and African-American older adult participants in a New York City oral health outreach initiative sponsored by the ElderSmile Program of the Columbia University College of Dental Medicine.

Dr. Northridge found that edentulism (the condition of lacking teeth)—a key measure of oral health—was 27.3 percent among adults 65 and over nationally, compared with 19.5 percent for adults 65 and over.
participating in the ElderSmile program, which provides oral health education, screening, and treatment referrals, as well as hypertension and diabetes screenings and referrals at more than 50 senior centers in the Harlem and Washington Heights/Inwood neighborhoods.

“How the underserved group overcame barriers like lower education levels and higher poverty rates to successfully take advantage of dental services and achieve better oral health than the US national average is an intriguing question,” Dr. Northridge remarked. “Our new study aims to answer the question and to draw lessons that can be applied to improve access to care for older adults nationwide.”

In the newly funded study, investigators will visit senior centers in Harlem and Washington Heights/Inwood to interview 16 directors and staff members and 256 Hispanic and African-American adults ages 50 and over who both are and are not participating in the ElderSmile program.

The researchers have two aims: 1) to examine a broad array of issues related to access to care, including how people in the community tap into social networks to find information on social services in general and dental care in particular; how friends and family support one another to overcome obstacles to accessing care; attitudes toward dentists and oral health care; past experiences with clinic-based dental programs; and awareness of the ElderSmile program; and 2) to ask participants about attitudes toward being screened for hypertension and diabetes at a dental visit.

“With more people in general and our aging and more racially and ethnically diverse population in particular seeking primary health care as a result of the Affordable Care Act, it makes sense for dentists to become actively involved in screening for chronic systemic conditions that have been linked to poor oral health in older adults,” explained Dr. Northridge. “Understanding older adults’ views on this issue is part of the process of building the case for systemic health screenings in the dental setting.”
In recognition of generous gifts from Dr. Scott Friedman, Class of 1979, and Dr. Efraim Zak, Class of 1994, to upgrade facilities within the Department of Orthodontics, NYUCD has named the Drs. Scott Friedman & Efraim Zak Atrium and the Dr. Scott Friedman Residents’ Conference Room, located in the Elliott M. Moskowitz Orthodontic Wing.

“As a member of the Class of 1979—the first graduating class to utilize the facilities in the Schwartz Hall of Dental Sciences—I have always felt a strong sense of community and remember NYUCD fondly as a state-of-the-art institution with the best teaching, facilities, and curriculum,” said Dr. Friedman. “As graduates of both the DDS program and the advanced education program in orthodontics, both Dr. Zak and I want to ensure that the orthodontics program at NYUCD continues to flourish, and we made our gifts in order to give something meaningful back to our alma mater.

“We believe that the Department of Orthodontics is playing an increasingly visible role in the profession, and saw a great opportu-
“Dr. Friedman’s and Dr. Zak’s generosity demonstrates how giving back to society is one of the great privileges of being a professional in a specialty area that is both personally and professionally rewarding.”

Dean Bertolami

Our professors taught us to be innovative and treated us as professionals from day one. I have always felt immense gratitude to the faculty—especially clinical associate professor Dr. Anthony Sirianni, and late clinical professors Dr. Erwin C. Lubit and Dr. Louis Goldberg—lifelong mentors who made my education so special. We like to tell young orthodontists just starting out in the field that orthodontics is the most rewarding specialty area; we both enjoy what we do and have been successful at it. Dr. Zak and I applied what we learned at NYUCD to our lives and careers, and every day we aim to help children and families go through their lives with a big smile.”

“We are honored to name the Drs. Scott Friedman & Efraim Zak Atrium and the Dr. Scott Friedman Residents’ Conference Room in recognition of their thoughtful gifts,” said Dean Bertolami. “Dr. Friedman’s and Dr. Zak’s generosity demonstrates how giving back to society is one of the great privileges of being a professional in a specialty area that is both personally and professionally rewarding.”

Top from left: Dr. Elliott Moskowitz, Dean Bertolami, Dr. Scott Friedman, Dr. Efraim Zak, and Dr. Cristina Teixeira
Bottom: Chelsea Friedman
NYU College of Dentistry’s Dr. Brian L. Schmidt and Forsyth Institute’s Dr. Markus Hardt Share NIH Grant to Collaborate with Informationists

The National Institute of Dental and Craniofacial Research (NIDCR), part of the National Institutes of Health (NIH), has awarded a joint administrative supplement grant to Dr. Brian Schmidt, professor of oral and maxillofacial surgery and director of the Bluestone Center for Clinical Research at the NYU College of Dentistry, and Dr. Markus Hardt, a protein chemist at the Forsyth Institute, to collaborate with informationists at the NYU Health Sciences Libraries in their study of the role of the molecular mechanisms of cancer pain, in general, and oral cancer pain in particular.

Informationists are medical librarians who provide in-depth research and knowledge management services to clinical or biomedical research teams. While scientific literature has become increasingly easy to access through computer-based systems, the vast amounts of information available, coupled with the increasing complexity of library systems, frequently prevent researchers from effectively accessing the required data. This has led to relevant literature going unnoticed, which has negatively affected patient care as well as creativity and productivity in research. Informationists use data management systems to bridge the gap between available scientific information and relevant scientific information.

The grant builds on a $1.25 million, five-year NIDCR parent grant awarded to Drs. Schmidt and Hardt in 2010 to spur the development of more sophisticated analgesics (pain medications) to alleviate the pain that is so often manifested in patients with oral cancer.

“Oral cancer is a logical place to start when seeking clues about cancer pain,” Dr. Schmidt said. “To begin, oral cancer is very painful. In fact, pain is the most common presenting symptom associated with this cancer. Secondly, oral cancer is painful at the primary site, not just at sites of metastasis as in the case of all other cancers. Lastly, the primary site of the oral cancer is readily accessible, enabling us to directly sample the cancer microenvironment.”

The scope and complexity of Dr. Schmidt’s and Dr. Hardt’s project offer a prime example of the pivotal role of informationists in conducting research in today’s world. The project involves 10 scientific collaborators from New York and Boston working to transfer complex data files, manuscripts, specimens, and citations between the New York City and Boston laboratories. The informationists will streamline this process by developing web-based systems to enable the researchers to efficiently share data and citations, and automated literature-searching processes to quickly and effectively identify and elucidate the role of specific molecular mechanisms—proteases and peptides—in cancer pain,
Dr. Markus Hardt thereby allowing them to focus on the most relevant peptide and protease candidates for drug development.

According to Aileen McCrillis, a research librarian at the NYU Health Sciences Libraries and a member of the team of informationists joining the NYUCD-Boston research team, an informationist’s role is going to gain importance in the coming years, as data management systems become more complex.

“Informationists are essentially more evolved librarians,” explained Ms. McCrillis. “They take a more active role in the research than a traditional librarian and are more deeply involved with the research team. They typically also have an in-depth understanding of the medical literature.”

Ms. McCrillis’s background includes an MS in Library Sciences and an ongoing MPH in epidemiology and biostatistics. The other members of the team are Alisa Surkis and Richard McGowan. Alisa Surkis is a translational science librarian at the NYU Health Sciences Libraries whose professional training includes a PhD in Neural Science and an MS in Library Science, as well as a decade of computer-programming experience. Richard McGowan is a research librarian at the NYU Health Sciences Libraries and an adjunct assistant professor of Epidemiology & Health Promotion at NYUCD. His professional training includes an MS in Library and Information Science. He also has experience in comprehensive literature searches and management of bibliographic information.

“We are looking forward to working with such an experienced team in streamlining our ongoing drug development process,” said Drs. Schmidt and Hardt.
Dr. Joyce K. Anastasi, the Independence Foundation endowed professor and founding director of the Division of Special Studies in Symptom Management at the NYU College of Nursing (NYUCN), has been awarded a $2.5 million, four-year National Institutes of Health (NIH) grant for the study of “Symptom Management for Irritable Bowel Syndrome (IBS) Constipation.” The primary aim of the study is to investigate the efficacy of acupuncture/moxibustion (acu/moxi) in reducing pain/discomfort and IBS secondary symptoms such as intestinal gas, bloating, and stool inconsistency. Moxibustion is the process of delivering heat to the exterior of the body to induce blood flow. The randomized, blinded, sham/placebo-controlled study, with 183 adults diagnosed with IBS-constipation, will follow the accepted standards of rigorous clinical trials.

“Acu/moxi, used in traditional Chinese medicine, has been employed successfully to manage various GI disorders including IBS,” explained Dr. Anastasi. “However, few acupuncture studies have had the necessary rigor to evaluate this therapy,” she said.

IBS is the most commonly identified functional bowel disorder afflicting 15 to 20 percent of North Americans. IBS is defined as abdominal pain/discomfort in the mid or lower gastrointestinal (GI) tract, associated with defecation or a change in bowel patterns with features of disordered defecation.

The chronic symptoms of IBS have been linked with decreased quality of life, decreased work productivity, and increased healthcare utilization. Few current therapies such as dietary modification, supplements, psychotherapy, and pharmacologic agents are proven effective, either singly or in combination. “Most studies,” said Dr. Anastasi, “have been limited by size, design, and duration follow-up.”

Dr. Anastasi is one of the country’s leading clinical scientists in the area of symptom management. Over the past three years, Dr. Anastasi has been awarded three NIH grants, all of which have contributed to developing rigorously tested, randomized clinical trials using non-invasive interventions to manage chronic and often debilitating symptoms. Her studies provide the foundation to develop clinically meaningful interventions to guide researchers, clinicians, and patients to understand the therapeutic benefits of methods such as traditional Chinese medicine.
NYU Bluestone Researchers Receive Muriel and Virginia Pless Center for Nursing Pilot Award

NYU Bluestone Center for Clinical Research investigator Dr. Marilyn Hammer has been awarded the Muriel and Virginia Pless Center for Nursing’s pilot award to study the association between hyperglycemia and symptom severity in patients with cancer. Dr. Brian Schmidt, director of the NYU College of Dentistry’s Bluestone Center for Clinical Research, is co-investigator on the project.

Cancer patients face a number of challenges in addition to their principal focus on survival. Cancer-related symptoms present a particularly devastating challenge and can occur before the diagnosis and continue through many years post-treatment. While these symptoms can occur in isolation, more often they are identified in clusters. These symptom clusters typically include pain, fatigue, depression, and sleep disturbances with variations in both severity and combination. Such symptoms contribute to the physiological and psychological trauma these patients face and can be as devastating as the cancer diagnosis itself.

Inflammation has been identified as a central link between hyperglycemia and pain, fatigue, depression, and sleep disturbances. It is further hypothesized that sleep disturbances can trigger inflammatory pathways, which, in turn, can contribute to depression. Investigating these pathways, and in particular, the modifiable contributors to these pathways, is essential to optimizing quality of life. The role of hyperglycemia is understood in this capacity and, as a modifiable factor, the importance of understanding hyperglycemic events in patients with cancer is paramount.

The study will evaluate correlations between glycosylated hemoglobin A1c levels, an established measure of glucose, and self-reported severity levels of pain, fatigue, sleep disturbances, and depression in patients undergoing chemotherapy. Adult patients being treated with primary or adjuvant chemotherapy at the outpatient NYU Clinical Cancer Center for cancers of the breast, lung, gastrointestinal, or gynecologic tissue will be enrolled, with a target of 600 patients.

“Based on findings, we anticipate incorporating tailored interventions into the care of patients with cancer to mitigate glycemic excursions for the improvement of functional status, quality of life, infection control, and overall survival.”

Dr. Marilyn Hammer
NYUCN’s Dr. Shiela Strauss Awarded Two-Year NIH Grant for “Novel Interdisciplinary Intra-Oral Diabetes Screening in Dental Patients”

$336,433 grant builds on the unique organizational partnership between NYU’s Colleges of Dentistry and Nursing to assess a novel approach using oral blood to screen patients with periodontal disease for diabetes in general dental practices.

Diabetes has reached epic proportions in the US, with seven million people as yet undiagnosed, preventing them from adopting disease management strategies that could improve their quality of life and decrease morbidity.

Among those at great risk are those with periodontal disease, many of whom may see a dentist but not a general healthcare provider annually. This suggests the importance of screening for diabetes at dental visits.

“In our previous pilot study, whose findings were published in the Journal of Periodontology in 2012, we found that a dental visit is a useful opportunity to conduct an initial diabetes screening—an important first step in identifying those patients who need further testing to determine their diabetes status,” said Dr. Shiela Strauss, associate professor of nursing and co-director of the Statistics and Data Management Core at NYU’s Colleges of Dentistry and Nursing.

Dr. Strauss’s team conducted a pilot study at NYUCD to examine a potentially useful intra-oral approach to blood testing for diabetes using hemoglobin A1c. The team collected samples of both finger-stick blood (FSB) and gingival crevicular blood (GCB) from periodontal patients (the latter occurring naturally on probing their periodontal pockets).

Results of the pilot study showed high specificity (.900) and sensitivity (.933) of the GCB HbA1c values relative to the FSB HbA1c values. [HbA1c is a lab test that shows the average level of glucose over a three-month period. It shows how well a person’s diabetes is being controlled.] The results also demonstrated patient and provider preference for the GCB approach, as patients were more comfortable with the provider collecting blood samples in the patient’s mouth.

The study will recruit 500 patients with periodontal disease who seek care at 14 general practices at NYUCD over a 15-month period.

If results demonstrate that the GCB HbA1c screening is accurate, feasible, and acceptable, with minimal psychological impact on patients, and leads to timely follow-up with a healthcare provider, Dr. Strauss will seek additional funding to examine further its usefulness on a broader scale.

Among those at great risk are those with periodontal disease, many of whom may see a dentist but not a general healthcare provider annually. This suggests the importance of screening for diabetes at dental visits.
Dr. Chi Tonglien Viet Receives Oral and Maxillofacial Surgery Foundation Grant and American Head and Neck Surgery Best Resident Basic Science Paper Award

Dr. Chi Tonglien Viet, a third-year resident in the NYU Oral and Maxillofacial Surgery Program at NYU Langone Medical Center/Bellevue Hospital Center and adjunct professor of oral and maxillofacial surgery at NYUCD, has received a grant of $75,000 for the second consecutive year from the Oral and Maxillofacial Surgery (OMS) Foundation to support her study entitled “Novel Approaches to Treat Head and Neck Cancer Pain and Prevent Opioid Tolerance.” The study will be conducted at the NYU Bluestone Center for Clinical Research and the NYU Cancer Pain Laboratory, both of which are directed by Dr. Viet’s mentor, Dr. Brian Schmidt.

Dr. Viet’s grant was selected to receive the Oral and Maxillofacial Surgery Foundation’s 2013 Stephen B. Milam Award. This annual award recognizes Dr. Stephen B. Milam’s scientific research and his many contributions to the specialty of oral and maxillofacial surgery.

In addition—in a first for an OMS resident—Dr. Viet has won the Best Resident Basic Science Paper Award presented by the American Head and Neck Society for her paper, “Decitabine and Cisplatin Combination Therapy for Head and Neck Squamous Cell Carcinoma.”

For most cancer patients, pain creates a poor quality of life. Patients with head and neck cancer tend to have significantly more pain than other cancer patients. Currently, opioids, such as morphine, are the most effective treatment for head and neck cancer pain. However, once patients become opioid-tolerant, no equally effective analgesics exist. In her research, Dr. Viet explores a method to identify patients most at risk for opioid tolerance. She will also test innovative treatments, including viral gene delivery, to restore opioid sensitivity and treat cancer pain.

Dean Charles N. Bertolami said, “Dr. Viet is an ideal clinician-scientist to conduct research in this area, which could significantly improve the lives of patients suffering from head and neck cancer.”

“Dr. Viet is an ideal clinician-scientist to conduct research in this area, which could significantly improve the lives of patients suffering from head and neck cancer.”

Dean Bertolami
Dr. Boopakorn Pattarageattipong and Dr. Heba Elkassaby are Litvak Fellowship Recipients

Dr. Boopakorn Pattarageattipong, a third-year resident, and Dr. Heba Elkassaby, a second-year resident, both in the Jonathan and Maxine Ferencz Advanced Education Program in Prosthodontics and teaching fellows in prosthodontics, are the 14th and 15th recipients, respectively, of the Dr. Harold Litvak Junior Fellowship in Prosthodontics.

The 2012 fellowship recipient, Dr. Pattarageattipong, earned a DDS degree from Chulalongkorn University in Bangkok, Thailand, and a certificate in prosthodontics from NYUCD’s Advanced Program in Prosthodontics for International Dentists. Dr. Pattarageattipong likens dentistry to art, as both require “creating and reconstructing,” and plans to pursue further advanced education in implant dentistry, continue teaching, and provide patient care in private practice.

This year’s fellowship recipient, Dr. Elkassaby, earned a BDS degree in dental medicine and surgery and an MDSc degree in restorative dentistry from the Faculty of Dentistry, Ain Shams University in Cairo, Egypt, and a certificate in prosthodontics from NYUCD’s Advanced Program in Prosthodontics for International Dentists. Dr. Elkassaby plans to pursue a career in teaching, research, and private practice after completing her prosthodontics specialty training in 2014.

“Dr. Pattarageattipong and Dr. Elkassaby were awarded the fellowship based on their academic excellence, outstanding commitment to patient care, and positive interactions with faculty and peers,” said Dr. Mijin Choi, clinical associate professor of prosthodontics and director of the Jonathan and Maxine Ferencz Advanced Education Program in Prosthodontics.

The Litvak Fellowship was established in 1999 through a generous grant from Mrs. Adele Block in honor of her dentist, Dr. Harold Litvak, a clinical professor of prosthodontics at NYUCD and a generous donor to the College. Mrs. Block is a member of the family that owned the Block Drug Company, Inc., a major producer of oral and general healthcare products, which is now a division of GlaxoSmithKline.

“Dr. Pattarageattipong and Dr. Elkassaby were awarded the fellowship based on their academic excellence, outstanding commitment to patient care, and positive interactions with faculty and peers.”

Dr. Mijin Choi
NYU’s College of Dentistry and School of Medicine Receive a Four-Year, $840,864 Collaborative Grant from the Lustgarten Foundation

"The Role of the Intestinal Microbiome in Promoting Pancreatic Carcinogenesis"

microbiome is also emerging as a contributor to carcinogenesis in extra-pancreatic malignancies such as colon and liver cancer. However, there has been no direct link between pancreatic cancer development and endogenous gut microbiota," he noted.

There are tangential data, however, that support such an association. For example, the oral microbiome in patients with pancreatic cancer has been found to substantially differ from control subjects. Preliminary data suggest that the intestinal microbiome may be an important regulator of pancreatic cancer development in at-risk individuals.

The study proposes to:

- Define the evolving intestinal microbiome in mice during pancreatic cancer development and progression as well as determine whether humans with pancreatic cancer harbor a distinct microbiome compared with age-matched control patients
- Directly test whether endoluminal bacteria can affect pancreatic oncogenesis and determine whether selectively modulating the microbiome alters the rate of tumor progression
- Test the hypothesis that luminal pathogens affect pancreatic tumorigenesis specifically via TLR binding mechanisms.

“Our experiments will provide critical new information on the mechanism of pancreatic carcinogenesis in at-risk hosts, and, as such, will provide guidance for pancreatic cancer prevention and possibly treatment of incipient disease,” said Dr. Saxena. “Based on our past research, we postulate that specific pathogenic gut bacteria drive pancreatic carcinogenesis in at-risk individuals via TLR activation,” he said.
NYU Dental Researcher Awarded $1.9 Million NIH Grant to Test New Glass-Zirconia Composite Crown

Dr. Yu Zhang, an associate professor of biomaterials and biomimetics at the New York University College of Dentistry, has been awarded a five-year, $1.9 million grant from the National Institute of Dental and Craniofacial Research (NIDCR) of the National Institutes of Health (NIH) to develop and test a prototype glass-zirconia composite dental crown.

The award enables Dr. Zhang to advance earlier research on a glass-zirconia composite formulation intended to serve as an alternative to porcelain-veneered zirconia designs. An estimated 10 percent of porcelain-veneered zirconia restorations develop fractures within the first three years.

“A composite crown with glass-rich surfaces will be less susceptible to top-to-bottom fractures from direct contact with hard food as well as to ruptures that occur when the bottom of the restoration buckles under pressure,” predicted Dr. Zhang.

Dr. Zhang formulated the initial prototype glass-zirconia composite material with funding from the NIH and the National Science Foundation (NSF), which awarded him funds totaling more than $1.4 million in 2007 and 2008. His prior research showed that the glass-zirconia composite has significantly higher load-bearing capacity than porcelain-veneered zirconia formulations.

“In this new study, we will be using a mouth motion simulator—a machine that simulates chewing and grinding—to compare the fracture-resistance of eight glass-zirconia and eight all-zirconia crowns,” said Dr. Zhang. “Each crown will endure two months and 1.25 million chewing cycles in the simulator—equivalent to three meals a day over a five-year period,” he said.

Dr. Zhang’s glass-ceramic composite crown design has a predominantly glass surface with underlying layers that gradually become more densely packed with ceramic. The crown offers aesthetics comparable to a porcelain-veneered zirconia version, but since it is thinner, not as much healthy tooth structure needs to be removed.

If the glass-ceramic composite crown proves more durable than the all-ceramic variant, Dr. Zhang plans to conduct a subsequent study examining the safety and efficacy of glass-ceramic crowns in human subjects.

Dr. Zhang’s co-investigators include Dr. Van P. Thompson, former professor and chair of the Department of Biomaterials and Biomimetics, and Dr. Melvin Janal, adjunct associate professor of epidemiology and health promotion (NYUCD); Dr. Brian R. Lawn, an NIST Senior Fellow; and Dr. Herzl Chai, a professor of mechanical engineering at Tel Aviv University.
NYUCD in the News
A SAMPLING OF RECENT MEDIA COVERAGE

ABC7 broadcast a segment with Dr. Cristina Teixeira, associate professor and chair of the Department of Orthodontics, about a new procedure available at NYUCD that reduces the time that braces stay on an orthodontic patient’s teeth.

_Dental Town Magazine_ reported on a study exploring the effects of family dynamics on oral health, led by NYUCD psychologists Dr. Richard Heyman and Dr. Amy Smith Slep. Professors Heyman and Slep co-direct the Family Translational Research Group within the NYUCD’s Department of Cariology and Comprehensive Care. Dr. Mark Wolff was also quoted in the article about how psychological events impact tooth decay.

_EYP Architecture & Engineering_, the firm charged with creating the sustainable design for the new NYU nursing, dentistry, and bioengineering building at 433 First Avenue, featured renderings of the facility in progress on their website.

_Health & Medicine Week_ cited Dr. Maureen McAndrew’s research to evaluate dental education outcomes. Dr. McAndrew is a clinical associate professor of cariology and comprehensive care.

_Health News Digest_ and _Newswise.com_ also reported on Dr. McAndrew’s research.

_The New York Times_ quoted Dr. Stefanie Russell, associate professor of epidemiology and health promotion, in a story on the importance of and the right to dental care for pregnant women.
Prevention interviewed Dr. Leila Jahangiri, associate professor and chair of the Department of Prosthodontics, for a story titled “Eight Signs You’ll Need Dentures.”

CBS New York broadcast a segment with Dr. Mark Wolff in which he shared advice on how to prevent acid erosion of teeth and how to keep smiles bright.

Good Housekeeping quoted Dr. Mark Wolff in an article about keeping teeth, gums, and breath healthy by eating foods such as dried licorice root, yogurt, sugar-free gum, hard candies, and raw or firm vegetables.
Dentistry Today; Drug Discovery News; Health & Medicine Week; Obesity, Fitness and Wellness Week; and News Medical featured news of a two-year NIH grant awarded to Dr. Brian L. Schmidt, NYUCD professor of oral and maxillofacial surgery and director of the Bluestone Center for Clinical Research, and Dr. Donna G. Albertson, professor at the UCSF Helen Diller Family Comprehensive Cancer Center, to research the use of genomics to tailor oral cancer treatment.

Bangor Daily News and Machias Valley News Observer extensively covered the return of the NYUCD-Henry Schein Cares Global Student Outreach Program to Washington County.

Dentaltown.com featured a story titled “Smile Grenada,” on Grenada’s first national school-based oral health program launched by NYUCD in February 2011. Dr. Charles Bertolami, dean of NYUCD, was interviewed for the article.

Drug Week interviewed Dr. Deepak Saxena, assistant professor of basic science and craniofacial biology, and his colleagues about their study of the human microbiome and HIV/AIDS.

The Journal of the American Dental Association (JADA) and The New York State Dental Journal (NYSDJ) reported on a $1.8 million subcontract awarded to NYUCD by the Forsyth Institute to help investigate new ways to diagnose and prevent periodontal disease. Dr. Patricia Corby, assistant professor of periodontology and implant dentistry and associate director of the NYU Bluestone Center for Clinical Research, was interviewed for the NYSDJ article.

Oral Health Group, a website dedicated to topics related to oral health, interviewed Dr. Nicola Partridge, professor and chair of the Department of Basic Science and Craniofacial Biology and director of the Center for Skeletal and Craniofacial Biology, for an article about the center’s mission and goals.

PubMed reported on new technologies used to improve patient care, and discussed NYUCD’s PEARL network as a model to improve patient outcomes.

CNN and Money Magazine interviewed Dr. Wolff on five things to know about dental implants.
Doctor Radio, a Sirius XM satellite radio station powered by the NYU Langone Medical Center featured a series of four shows hosted by Dr. Mark Wolff, titled “Start Your Summer with a Smile,” plus the following NYUCD faculty: Dr. Steven Engebretson, associate professor and chair of the Department of Periodontology and Implant Dentistry, on dental care for diabetes management; Dr. John Calamia, professor of cariology and comprehensive care, on cosmetic dentistry and teeth whitening; Dr. Robert Glickman, professor and chair of the Department of Oral and Maxillofacial Surgery, on dental implants; Dr. Amr Moursi, associate professor and chair of the Department of Pediatric Dentistry, on children’s dentistry; Dr. Ronald Craig, associate professor of basic science and craniofacial biology, on erectile health and periodontal disease; Dr. Nancy Dougherty, director of the postdoctoral program in pediatric dentistry, on children’s oral health; Dr. Cristina Teixeira, associate professor and chair of the Department of Orthodontics, on a new method to accelerate tooth movement during orthodontic treatment; and Dr. Brian Schmidt, professor of oral and maxillofacial surgery and director of the Bluestone Center for Clinical Research, on oral cancer signs, symptoms, and treatment.

Health & Medicine Week and Obesity, Fitness and Wellness Week reported on new ischemia study findings published by Dr. Pablo Marco Peixoto, adjunct assistant professor of basic science and craniofacial biology.

New York Daily News quoted Dr. Brian L. Schmidt, professor of oral and maxillofacial surgery and director of the Bluestone Center for Clinical Research, and Dr. Michael C. Alfano, former executive vice president of NYU and former dean of NYUCD, in an article about life after diagnosis of head and neck cancer.

New York Daily News interviewed Dr. Mark Wolff for a story about squeeze fruit snacks and the negative effects they have on children’s teeth.
Chicago Tribune interviewed Dr. Mark Wolff, professor and chair of the Department of Cariology and Comprehensive Care and associate dean for predoctoral clinical education, about dental amalgam and restoration techniques taught at dental schools.

Iconoclast, Science Codex, and Science News Line reported on the partnership between NYUCD and Graham Windham, a local NYC-based foster care agency, to provide regular dental care to more than 650 children since spring 2011.

The Buffalo News and The Dental Assistant quoted Dr. Sheila Strauss, associate professor of nursing and co-director of the Statistics and Data Management Core, in an article about a study looking at blood from periodontal disease and how it can be used to screen for diabetes.

New York State Dental Association News announced Dr. Cristina Teixeira’s appointment as chair of the Department of Orthodontics, and Dr. Asgeir Sigurdsson’s appointment as chair of the Department of Endodontics. The publication also reported on the new Center for Skeletal and Craniofacial Biology, led by Dr. Nicola Partridge, director of the center.

Health quoted Dr. Mark Wolff in an article about choosing toothpaste.

American Dental Association News reported on NYUCD’s donation of 19 dental chairs to the Faculté d’Odontologie of the Université d’Etat d’Haiti as part of an effort to help rebuild dental care facilities in Port-au-Prince.

Men’s Health Magazine and Health/Wellness website have both invited Dr. Mark Wolff, associate dean for predoctoral clinical education and professor and chair of the Department of Cariology and Comprehensive Care, to join their advisory boards.
The new building under construction at 433 First Avenue, across the street from NYUCD’s present campus, is approximately 18 months from completion. Designed by the leading architectural firms of Kohn Pedersen Fox Associates and EYP Architecture and Engineering, the new facility will open early in 2015. Students, faculty, and researchers will benefit from an impressive 11 story, 170,000 square foot complex designed specifically to create a 21st century interprofessional urban teaching, learning, and research community.
With this facility, NYUCD will gain an additional 55,000 square feet, which will provide significant added teaching space and enable relocation of offices for student services, as well as for two academic departments—Biomaterials and Biomimetics and Epidemiology and Health Promotion. The new facility will also provide a home for the NYU College of Nursing and research space for the NYU-Polytechnic Bioengineering Institute to support NYU’s synergistically active and collaborative programs in biomaterials, biomimetics, and medical engineering.

The vision is to create an environment that will build academic bridges; promote interaction among dental, nursing, and bioengineering students; and promulgate a new model of education, healthcare delivery, and scientific partnership.

A highlight of the new building plan is the unique and beautiful Learning Commons, which will create a central meeting and study location designed to give all students the “Red Carpet” experience.

By co-locating dentistry, nursing, and bioengineering into a new signature facility, 433 First Avenue will become not just an impressive addition to the NYU and New York City landscapes, but a shining example of that commitment. To view a time-lapse video of the new building going up, please go to https://vimeo.com/63335382 and type in the password TurnerNYU.

**HOW YOU CAN HELP**

Projects of this magnitude rely heavily upon the generous support of our alumni and friends to turn our vision into a reality. There are a number of high-profile naming opportunities associated with the project, along with a host of other recognition levels available to donors who wish to become involved in this academic venture.

Please see list of naming opportunities on the next page.
<table>
<thead>
<tr>
<th>Building Area:</th>
<th>Area to be named:</th>
<th>Area/sf</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dentistry</td>
<td>Second Floor Lobby (Dental Academic Atrium)</td>
<td>2700</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Dentistry Lecture Halls - 125 seats (Second Fl) (3)</td>
<td>1640</td>
<td>$2,000,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Dentistry Anatomy Classrooms (Second Fl) (4)</td>
<td>480</td>
<td>$250,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Dentistry Lecture Hall - 80 seats (Second Fl)</td>
<td>1000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Classroom/Seminar Room - 14 seats (Eighth Fl)</td>
<td>290</td>
<td>$100,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Classroom/Seminar Room - 28 seats (Eighth Fl)</td>
<td>530</td>
<td>$250,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Dentistry Biomaterials Lab Floor (Eighth Fl)</td>
<td>5300</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>PI Offices (5)</td>
<td></td>
<td>$25,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Office of the Chair</td>
<td></td>
<td>$50,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Classroom - 15 seats</td>
<td></td>
<td>$250,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Classroom - 27 seats</td>
<td></td>
<td>$500,000</td>
</tr>
<tr>
<td>Dentistry</td>
<td>Laboratories (4)</td>
<td></td>
<td>$100,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Building Name</td>
<td>170,000</td>
<td>$25,000,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>First Floor Lobby</td>
<td>2800</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Open Staircase</td>
<td></td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Concourse Commons</td>
<td>1950</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>North Stair - various levels</td>
<td></td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Learning Commons (Third Fl)</td>
<td>10050</td>
<td>$5,000,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Group Study Area - 28 seats</td>
<td></td>
<td>$250,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Seating Cluster - 4 seats (adjacent to window) (2)</td>
<td></td>
<td>$10,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Seating Cluster - 8 seats (adjacent to window) (3)</td>
<td></td>
<td>$15,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Seating Cluster - 16 seats (adjacent to window) (2)</td>
<td></td>
<td>$25,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Seating Cluster - 8 seats (interior) (5)</td>
<td></td>
<td>$10,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Seating Cluster - 10 seats (interior) (4)</td>
<td></td>
<td>$12,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Learning Hub</td>
<td></td>
<td>$500,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Open Work Area</td>
<td></td>
<td>$50,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Group Study Rooms - 5 seats</td>
<td></td>
<td>$50,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Group Study Rooms - 5 seats</td>
<td></td>
<td>$100,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Group Study Rooms - 5 seats (12)</td>
<td></td>
<td>$50,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Group Study Rooms - 6 seats (windows) (2)</td>
<td></td>
<td>$100,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Group Study Rooms - 10 seats (2)</td>
<td></td>
<td>$100,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Café</td>
<td></td>
<td>$500,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Eleventh Floor NYU Conference Suite</td>
<td>1800</td>
<td>$5,000,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Small Conference Room</td>
<td>300</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>Common spaces</td>
<td>Large Conference Room</td>
<td>920</td>
<td>$2,500,000</td>
</tr>
</tbody>
</table>
Dr. Ralph Katz to Step Down as Chair of Epidemiology and Health Promotion

Dr. Ralph V. Katz, professor and chair of the Department of Epidemiology and Health Promotion, has announced that he will be stepping down from the chairmanship effective August 31, 2013, to devote more time to teaching and research responsibilities.

Since joining NYUCD in 2000 as the inaugural chair of the Department of Epidemiology and Health Promotion, Dr. Katz has led the rise of the department to become a major voice in pre- and postdoctoral dental education in epidemiology and health promotion, both at NYUCD and throughout the University. Under Dr. Katz’s leadership, departmental teaching at the DDS level has focused on foundational knowledge and practical application to dental practice of epidemiology, health promotion, bioethics, biostatistics, and skills in assessing professional health issues and policy for the dental practitioner.

Department teaching at the master’s level includes a two-year MS program in clinical research, as well as contributions to the Global MPH program. Most recently, the department led the formation of a one-year, full-time MS program in Evidence-Based Practice. At the PhD level, the department houses the Postdoctoral Oral Epidemiology Training Program, a collaborative program with the Department of Epidemiology at Columbia University, which provides the doctoral degree in epidemiology for dentists interested in academic research careers.

In addition to advancing the fields of epidemiology and health promotion in dental education, the department was created to undertake original research and other scholarly activities. To date, the department has attracted new grants totaling more than $55 million from a range of national and state agencies, including a multimillion-grant in 2001 from the National Institute of Dental and Craniofacial Research (NIDCR) to create a center for research to reduce health disparities—the NYU Oral Cancer Research for Adolescent and Adult Health Promotion (RAAHP) Center.

Since joining NYUCD in 2000 as the inaugural chair of the Department of Epidemiology and Health Promotion, Dr. Katz has led the rise of the department to become a major voice in pre- and postdoctoral dental education in epidemiology and health promotion, both at NYUCD and throughout the University.
NYUCD Partnership with Foster Care Agency Improves Child Health, Aids Student Training

NYUCD and Graham Windham, a local New York City-based foster care agency, have partnered to provide regular dental care to more than 650 children since spring 2011. The success of the program, Partners Against Caries (PAC), both for the foster children and the NYU dental students, may serve as a model for other dental schools’ outreach programs. PAC’s successes were outlined in a poster presentation at the American Academy of Pediatrics (AAP) National Conference and Exhibition in New Orleans in October.

“The program has been an overwhelmingly positive experience for both the children and families in foster care, as well as for NYU dental students,” said study author Elizabeth A. Best, outreach program coordinator for the Department of Pediatric Dentistry. “The pediatric patients enjoy receiving care from the dental students, who are very engaged with the children.”

For the dental students, the experience has been eye-opening.

“Most dental students traditionally have had little knowledge of the foster care system,” commented Ms. Best. “At NYUCD, we are now graduating dental students who have worked with this population and are aware of their unique health and care needs,” she said.

Poor dental and oral health can affect children’s growth, school performance and attendance, and can contribute to physical and mental health problems. According to Healthy Foster Care America, approximately 35 percent of children and teens enter foster care with significant dental and oral health problems.

“Dental health has been described as a ‘window’ to a child’s well-being,” said Dr. Mitchell Rubin, medical director of Graham Windham. “We believe that an optimal dental state is a necessary ingredient for the interrelated spectrum of medical, mental, and social health,” said Dr. Rubin.

Low-income children, especially those in foster care, are less likely to receive regular dental care, and, as a result, face a greater risk for caries. These children, as they grow older, are susceptible to myriad caries-related health problems—from heart disease, diabetes, and oral cancer, to low self-esteem and depression.

“Our exciting partnership with the NYU College of Dentistry not only addresses a gap in this service, but also serves as an invaluable tool for the dental students—introducing them to a most vulnerable pediatric population. We are so happy that the children are getting such wonderful care,” Dr. Rubin said.

The abstract presented at the AAP conference, “An Approach to Dental Healthcare in an Inner-City Foster Care Population: The Partners Against Caries (PAC) Program,” describes the partnership, which shifted dental services for these children from multiple providers to a single “dental home” in spring 2011. The goal was to improve care quality and continuity for the participating foster children, and to provide a unique learning experience for dental students.

Through PAC, the children, ages 18 months to 21 years, receive dental exams, cleanings, and family education at two foster care facilities, as well as transportation and referrals to NYUCD for more complex care. The dental school receives nominal, below-market compensation for the care.

“We definitely think that other schools could benefit from a similar experience and curriculum,” said Ms. Best.

“Dental health has been described as a ‘window’ to a child’s well-being. We believe that an optimal dental state is a necessary ingredient for the interrelated spectrum of medical, mental, and social health.”

Dr. Mitchell Rubin
Graham Windham Foster Care Agency
Inaugural Issue of NYUCD’s Journal of the Academy of Distinguished Educators Online Now

The inaugural issue of NYUCD’s first online-only, open-access journal, the Journal of the Academy of Distinguished Educators (JADE) debuted on February 1, 2013. JADE can be accessed by going to http://www.nyu.edu/dental/ade/.

JADE is the publications component of the NYU Academy of Distinguished Educators. JADE invites experts in higher education to face off on the thorny issues confronting higher education, even as it endeavors to foster interdisciplinary and interprofessional collaboration.

“The mission of the Academy is to enhance overall teaching at NYUCD and to stimulate excitement among teachers around their intellectual content. The mission of JADE is to reinforce the goals of the Academy of Distinguished Educators and to promote the free exchange of ideas regarding higher educational theory, methods, and tools,” said Dr. Mary E. Northridge, JADE editorial panel chair and assistant professor of epidemiology and health promotion.

The inaugural issue is a model for the sorts of topics that JADE intends to tackle. In his provocative centerpiece article, titled “The Dental Education Bubble: Are We Ready for a LEED-Style Rating?” NYUCD Dean Charles N. Bertolami uses the LEED rating system as a prototype that, in his own words, “could be adapted to dental education in order to give dental school applicants, faculty members, government officials, the media, and the public a more open and honest appraisal of what a given educational program has to offer and what the educational product is really expected to be.”

In his cogently argued rejoinder, Dr. Allan J. Formicola asserts that the rating system proposed will not improve the profession because the current accrediting process does take into consideration differences in dental schools’ missions and goals, “but assures that all schools, new and established, meet standards that are accepted by the academy, the practicing community, and the licensing community.”

Finally, Dr. Ronald Bayer places his emphasis on “what the state has a duty to do to assure equitable access to healthcare services, to create just healthcare systems, and to secure the social conditions that promote health and limit disease and disability,” and asserts that a core mission of dental education in the United States ought to be understanding the social forces that may foster or impede the path to dental justice.

“The mission of the Academy is to enhance overall teaching at NYUCD and to stimulate excitement among teachers around their intellectual content. The mission of JADE is to reinforce the goals of the Academy of Distinguished Educators and to promote the free exchange of ideas regarding higher educational theory, methods, and tools.”

Dr. Mary Northridge
Dean’s Colloquia Feature a Nobel Prize Winner and a Former NASA Astronaut

In 2012 and 2013, respectively, the annual Dean’s Colloquium featured Dr. J. Michael Bishop, winner of the 1989 Nobel Prize in Physiology/Medicine, and Dr. Harrison H. Schmitt, the twelfth and last man to walk on the Moon.

The Dean’s Colloquium brings together members of the Dean’s Advisory Council, selected NYU officials, leaders of organized dentistry, and NYUCD faculty members to consider what more, in today’s complex world, NYUCD can do to make a meaningful difference in people’s lives. Dr. Bishop’s and Dr. Schmitt’s remarks helped to frame the discussions.

Dr. Bishop, who shared the 1989 Nobel Prize with Dr. Harold E. Varmus, for their discovery of the cellular origin of retroviral oncogenes, is an immunologist and microbiologist, who also co-won the 1984 Alfred P. Sloan Prize and received the National Medal of Science award in 2003. Also in 2003, Dr. Bishop’s book, How to Win the Nobel Prize: An Unexpected Life in Science, was published. Dr. Bishop has been a member of the faculty of the University of California, San Francisco (UCSF), since 1968, and was chancellor of the university from 1998 to 2009. He currently serves as director of the...
Bishop Lab at UCSF, which focuses on the genetic underpinnings of cancer.

Dr. Schmitt, a geologist, university professor, and former United States Senator from New Mexico, is the only person to have walked on the Moon who was not a member of the US Armed Forces. His book, *Return to the Moon: Exploration, Enterprise, and Energy in the Human Settlement of Space*, with a foreword by Neil Armstrong, published in 2006, proposes that Earth’s increasing appetite for energy and the suspected future decrease in available energy will create an ever more severe problem for Earth’s population. To meet this challenge, Dr. Schmitt asserts, humans should be back in space in ways few have imagined, including having permanent production lines on the Moon for Apollo-like, heavy-lift boosters and fusion power systems, and having a permanent settlement on the Moon with commercial operations producing helium-3 fuel for a growing terrestrial fusion electrical power industry.
NYC Council Member Jumaane D. Williams Welcomes *Smiling Faces, Going Places* to Brooklyn School

New York City Council Member Jumaane D. Williams (D-Brooklyn), in black suit, enthusiastically welcomed NYUCD’s *Smiling Faces, Going Places* mobile dental care program to PS/IS 109 in Brooklyn in April. Also shown is Mr. Dwight Chase, principal of PS/IS 109 (in beige suit), and participating youngsters and their teachers.

NYUCD thanks Council Member Williams and his colleagues in the New York City Council for their consistent, generous support of the *Smiling Faces, Going Places* mobile care program since its launch in 2000.

NYUCD STUDENTS SWEEP AESTHETICS AWARDS COMPETITIONS, RAISE FUNDS TO “GIVE BACK A SMILE”

In recent national and international aesthetics awards competitions, NYUCD aesthetics honors program students have garnered the following top awards:

Dr. Daniel Rubinshtein, ’13, won the Empire State Academy of Cosmetic Dentistry Award for best clinical case using all ceramic restorations.

Drs. Shawn Motlagh, Theodore Chang, Alexander Shalman, and Concetta Perretta, all Class of 2013, won DSG/America Lab Awards for best cases using multiple units for all ceramic restorations. Shawn Motlagh also won first place in the predoctoral division of the American Academy of Cosmetic Dentistry International Poster Competition; Dr. Daniel Rubinshtein won third place in that competition.

Drs. Richard Alexandre and Georgios Angelidakis, both in the Advanced Study Program in Aesthetic Dentistry for International Dentists, won first and second place awards, respectively, in the international division of the American Academy of Cosmetic Dentistry Annual Poster Competition. All the award winners were mentored by Dr. John R. Calamia, professor of cariology and comprehensive care and director of the honors program in aesthetic dentistry.

In other aesthetics program news, members of the NYUCD Aesthetics Club raised $18,500 in support of the “Give Back a Smile Charitable Foundation” (see photo above), which provides aesthetic dentistry services for victims of domestic abuse. Dr. Calamia has been a board member of the foundation for the past nine years.
Smigel Prize Presented to Dr. George Freedman

Dr. George Freedman, an internationally renowned aesthetic dentist, has received the 2012 Irwin Smigel Prize in Aesthetic Dentistry sponsored by the NYU College of Dentistry. The award was presented to Dr. Freedman at the 2012 annual session of the American Society for Dental Aesthetics.

Dr. Freedman, who has worked for many years with the Dental Tribune Group in presenting continuing dental education courses, was selected in recognition of his significant contributions to the field of aesthetic dentistry and his activities in organized dentistry worldwide.

NYUCD established the Smigel Prize in 2000 to recognize the pioneering achievements of Dr. Irwin Smigel, a graduate of NYUCD and the founder and president of the American Society for Dental Aesthetics, and to honor significant contributions to the field by others throughout the world.

The Smigel Prize carries with it a $5,000 stipend and an award designed by Calvin Klein.

“George Freedman’s selection to receive the Smigel Prize is a fitting tribute to the pivotal role he has played in advancing aesthetic dentistry education,” said Dean Bertolami. “Like the person for whom the prize is named, Dr. Freedman is devoted to continuing education in aesthetic dentistry as the basis for clinical excellence.”
In the spirit of the holidays, NYUCD took out a full-page ad in the Sunday *New York Times* in December 2012 to pay tribute to our outstanding faculty members.

In announcing the ad, which is shown here, Dean Bertolami told the faculty, “I know that it doesn’t get expressed often enough, but it is important for you to know how remarkable and appreciated you are by our students, by the dental school administration, and by me.”
“SERIOUS FUN”
IS THEME OF CLINICAL OPERATIONS STAFF RETREAT

Last summer, the Office of Clinical Operations, led by Dr. Stephen Zeck, assistant dean for clinical operations and patient care, sponsored a full-day retreat for clinical operations staff dedicated to the theme of what Dr. Zeck calls “serious fun.” The premise is that while technical excellence is a prerequisite for clinical staff effectiveness, a commitment to technical excellence does not have to preclude enjoying the work experience.

According to Dr. Zeck, “When we enjoy what we’re doing, we create positive energy, which we transfer to both our colleagues and our patients. We create, in fact, ‘a contagious epidemic of positive emotions’ for ourselves and those with whom we come in contact.”

The retreat included workshops devoted to disseminating new tools and skills, but also such team-building activities as a scavenger hunt at the Metropolitan Museum of Art and probably the most popular event of the day, an opportunity to explore the art of performance through analysis of an aria sung live by a professional opera singer.

“We all need to perform,” says Dr. Zeck. “By exploring performance issues through analyzing the work of a professional performer, we learned something vital about both self-presentation and collaborative problem solving.”
Four NYUCD faculty members have been inducted into the NYU Academy of Distinguished Educators for the 2012–2013 academic year. They are Dr. Silvia Spivakovsky, clinical assistant professor of oral and maxillofacial pathology, radiology and medicine; Dr. Stefanie Russell, clinical associate professor of epidemiology and health promotion; Ms. Judith Kreismann, clinical associate professor of dental hygiene; and Dr. Ivy Peltz, clinical associate professor of cariology and comprehensive care.

“NYUCD takes great pride in the outstanding contributions to dental education, research, and scholarship of these newest members of the Academy,” said Dean Bertolami. “In inducting them, the Academy continues to set very high standards for membership.”

To learn more about the Academy of Distinguished Educators, go to http://www.nyu.edu/dental/ade/.
In 1916, the New York College of Dentistry (NYCD), an independent dental school founded in 1865, began its quest for an affiliation with a distinguished, research-oriented university of arts and sciences in an effort to elevate the profession’s status and to highlight the importance of dental health as integral to the general health of the human body; or, to put it another way, to transform the perception of dentistry from “mechanics” to a healing art within the field of medicine.

NYCD’s leaders approached NYU and were politely rebuffed. Some nine years later, they succeeded.

By 1923, a lengthy correspondence had begun between Elmer Ellsworth Brown, Chancellor of NYU from 1911 to 1933 [Figure 1], and the man who, though not a dentist, would help NYCD realize the goal it had been pursuing since early in the 20th century: affiliation with a major university.

Dr. William J. Gies [Figure 1], a Columbia University biochemist with a particular interest in dental education, and dental research and its clinical applications, was the man to whom Dr. Brown turned. This educator, author, founder of the American Association of Dental Schools and the first editor of the Journal of Dental Research (1919–1935), at the behest of the Carnegie Foundation, was devoting five years to researching, visiting, then writing about the existing dental schools in the United States. His thorough research, published as Dental Education in the United States and Canada, took its place in dental history archives to be forever known as the Gies Report.

“...There is no dental school to which I would be happier to give my best constructive efforts, or for which I could make to the Carnegie Corporation a more sincere appeal for help. I shall be ready to make that appeal promptly in behalf of another in the office of the dean — and can make it more effectively in his behalf than my own.”

Dr. William J. Gies
During this period of research and writing, Dr. Gies had built friendships with several of the most highly respected heads of the existing university-affiliated dental schools (including the nation’s first university-affiliated dental school—at Harvard.)

Unlike today’s “instant messaging,” the preferred method of communication was what we now refer to as “snail mail.” Much of their correspondence is preserved in the NYU Archives housed at the Bobst Library, where interested dental historians may track the negotiations between NYU and NYCD. These letters reveal the tenacity and consummate diplomacy of the principals in pursuing their goal.

As with any major undertaking, there were financial obligations to consider. How much would each school bring to the table to underwrite all the forward-thinking new plans? Then too, there were administrative issues to be resolved. A panoply of questions remained to be answered: Would more rigid entrance standards result in a smaller group of applicants? And what of the financial requirements for both students’ tuition and faculty salaries?

Above all, who would be responsible for developing the new curriculum and planning for a new building appropriate to an expanded vision of dental learning? NYU requested and received from Barrow, Wade, Guthrie & Co. independent auditors’ reports for review by its legal advisors.

A parade of eminent physicians and dentists cooperated in the step-by-step planning that would lead to the merger. Along with Chancellor Brown, who had served as United States Commissioner of Education during Theodore Roosevelt’s administration, were Dr. George Alexander, President of the Board of Trustees of NYCD, and Harold O. Voorhees, in the Bursar’s Office at NYU.

During the same period, many letters between Drs. Brown and Gies ensued, some handwritten, others typewritten, all revealing the personal bond being established between these two individuals.

A chain of links soon extended from Brown and Gies to the deans of several other university-affiliated dental schools: Marcus Llewellyn Ward (University of Michigan), Charles R. Turner (University of Pennsylvania), and Leroy M.S. Miner (Harvard University). Dr. Miner gracefully declined the offer to become dean of NYU’s proposed dental school in a letter now among Dr. Gies’s papers at NYU. It reads:

“The Chancellor’s persistence is one of the most definite, although indirect, compliments I have ever had paid me, and I know that I would take the greatest pleasure in working under so stimulating a man as I found him to be.”

Figure 1. Dr. William J. Gies and NYU Chancellor E.E. Brown

Figure 2. Cover letter of the introduction to the Gies Report. This letter was sent on January 29, 1925 by Dr. William J. Gies to Chancellor E.E. Brown.
As the official merger date was approaching, Dr. Gies sent Chancellor Brown a memo dated January 29, 1925. In it, Dr. Gies included a copy of the Introduction to the future Gies Report [Figure 2].

Of the five letters in the archives, the December 20, 1928, letter [Figure 3] is the most important. In it, Dr. Gies describes his return from a meeting in Chicago, where he met a number of prominent dental educators who were interested in leading the new dental school.

Ultimately, however, the invitation to serve as dean was placed on Dr. Gies’s desk. He too declined the offer, basing his decision on his firm belief that he could best serve Chancellor Brown as a liaison between the dental school and the larger dental community.

In declining the honor to serve as dean, Dr. Gies wrote:

“The outstanding reason for my ‘no’ … is plain that I could not accept without appearing, to at least four university presidents, to have been insincere in my former declinations; and also, by impressing dental deans and faculties unfavorably, without arousing belief that might impair my usefulness to you.”

He further stated that his presence at the Carnegie Foundation would make him more effective in helping schools like the one being formed at NYU. He wrote:

“There is no dental school to which I would be happier to give my best constructive efforts, or for which I could make to the Carnegie Corporation a more sincere appeal for help. I shall be ready to make that appeal promptly in behalf of another in the office of the dean — and can make it more effectively in his behalf than my own.

“I have never said ‘No’ under conditions that gave me more personal distress, but I bow to considerations of general relationship that destroy my personal options.”

NYCD became NYU College of Dentistry with Alfred Starr as its first dean. Several months later, he died and was replaced, on an interim basis (1924–1926), by Charles Vetter. That year Dr. Holmes C. Jackson was named dean of the NYU College of Dentistry. His tenure was cut short by his death soon after, in 1927.

We do not have archival records of the following months, during which the University leadership identified Dr. Allan T. Newman, then dean of the School of Dentistry at the University of Denver, who became the new dean on July 1, 1929.

No headlong rush into merger, but rather a careful progression along a well-constructed path, as well as sustained communication between the leadership of NYCD and NYU led to the incorporation of NYCD into NYU as the NYU College of Dentistry (NYUCD) on March 25, 1925—a merger from which both partners could take a sense of real accomplishment.

Condensed and edited by Elaine Steiner. The author also wishes to thank Jeremy Duhme for his editorial assistance.
REBEKAH BROWDER, ‘14, DDS PROGRAM: “I’M AN NYU LIFER”

Originally from Stratford, Connecticut, Rebekah Browder graduated from NYU’s College of Arts and Science in 2003 with a BA in French and Italian. Seven years later, in 2010, she enrolled as a dental student at NYUCD. Now entering her senior year, Rebekah plans to return to NYU after receiving her DDS degree to pursue a master’s degree in global public health.

How did this language major make the transition to dentistry? According to Rebekah, it happened quite randomly. “After college, I worked as an account executive in advertising,” she said. “I really enjoyed it for a while, but then I started thinking about what I wanted to be doing for the rest of my life, and I just couldn’t see being in advertising for the long haul.”

Then one day Rebekah made an appointment with a New York City dentist. “While he was providing my dental care, I had an epiphany and was able to picture myself in his shoes,” she said. “He was about 31—the same age I am now.”

A few days later, Rebekah quit her advertising job. At first, her fiancé (now husband) was a bit skeptical. “I basically turned everything upside down,” she said. “I went back to school at Pace University to take prerequisite courses to prepare for admission to dental school. I also took a part-time job in a dental office. All told, it took me about two-and-a-half years to prepare to apply.”

Rebekah believes that her undergraduate experience at NYU helped her to navigate and take advantage of the many service-oriented opportunities available at NYUCD. In fact, she has taken on an extraordinary number of leadership positions, including community service representative for the Student Council; treasurer for the Aesthetics Club; outreach coordinator for the American Student Dental Association; peer mentor; Community Service Club executive board member; volunteer teacher for Citizen Schools, a local educational outreach program; and local student outreach coordinator for the Office of International Initiatives and Development.

“I really think being a community service person is kind of a selfish act. By helping someone else I gain a greater sense of purpose. It gives me more motivation to get up in the morning.”
Dr. Madiha Bhatti, director of student affairs, has worked closely with Rebekah on local outreach programs and played a part in nominating her for the President’s Service Award, which Rebekah won in 2012.

“Rebekah really identifies with the need to give back. She recognizes that a good dentist is not just about academic achievements, but also must possess empathy and strong interpersonal skills,” said Dr. Bhatti.

As community service representative for the Student Council, Rebekah coordinated a large number of service-oriented events, including the Give Back a Smile Foundation, which provides dental care for victims of domestic abuse; plus student campaigns to fund the purchase of food and essential goods, including clothing, to donate to local charities and to aid the homeless.

“I really think being a community service person is kind of a selfish act,” said Rebekah. “By helping someone else I gain a greater sense of purpose. It gives me more motivation to get up in the morning.”

Dr. Anthony Palatta, former assistant dean for student affairs and admissions, worked with Rebekah on the DDS Peer Review Board. “When I think of Rebekah, the word that comes immediately to mind is equity,” said Dr. Palatta. “On the Peer Review Board, she was the voice of moderation, constantly striving to find a balance rather than looking at everything as black and white.”

In terms of her future, Rebekah said, “I want it all. My dream would be eventually to have a practice in the city that allows me flexibility to raise a family. I would also love to join the staff at NYUCD someday, either in a teaching or administrative capacity. I’m an NYU lifer,” she laughed.

Although Rebekah does not plan on specializing, she is interested in aesthetic dentistry since it allows her to tap into her creative side. “I love full-mouth reconstruction,” said Rebekah. “The idea that someone stops smiling or laughing because they are embarrassed by their teeth is heartbreaking.”

At NYUCD, Rebekah had the opportunity to treat an older female patient who needed dentures. “This woman, who came dressed in an old t-shirt and shorts, had huge fake teeth,” said Rebekah. “She had been a model in her younger days and told me what she had loved about her smile back then, so I tried to create dentures that captured that. After this patient got her new dentures, she came to see me dressed in a smart blazer with her hair and makeup all done up. She had dressed the way she felt inside and that was really great to see.”

In addition to everything else she has going on at NYUCD, Rebekah recently returned from a global student outreach to Grenada.

“Everyone kept saying that this trip was going to be transformative, and it was more than I could have dreamed in every respect.”

Dr. Mark Wolff, professor and chair of the Department of Cariology and Comprehensive Care and associate dean for predoctoral clinical education, who co-led the prevention team in Grenada, said, “Rebekah is very modest. She represents the best of what we would like to see in patient care. You know, we can teach someone how to be a good dentist, but it’s not as easy to teach someone to be an outstanding human being.”

—Stephanie Susnjara

“Everyone kept saying that this trip [global student outreach to Grenada] was going to be transformative, and it was more than I could have dreamed in every respect.”
Ever since she graduated from Curtis High School in Tacoma, Washington, in 1994, Jennifer (Jen) Hynes, BS program in dental hygiene, Class of 2013, has dreamed of pursuing a career as a dental hygienist. However, she decided to put her plans on hold after she married and became pregnant with her first child.

A decade later, Jen decided to go for her dream. Along with her two children, Lucas, 13, and Lexi, 11, Jen left her Seattle-based home and settled in Cobble Hill, Brooklyn, in order to attend NYUCD’s full-time bachelor of science degree program in dental hygiene. The program offered everything she wanted: an interdisciplinary integrated curriculum that would allow her to obtain a BS degree while also receiving dental hygiene training at a premier dental school located in a bustling metropolis.

“My husband and I divorced a few years ago,” said Jen, “and I viewed the situation as an opportunity to shuffle the cards and get dealt a new hand. That meant doing all the things I ever wanted to do, which included going back to school and living in New York City.”

In addition to attending the dental hygiene program full time and raising her two children, Jen works from eight to 20 hours a week—usually on Fridays and on weekends—as a dental assistant at Central Park Dentistry in Manhattan. And as if that isn’t enough, she also runs long-distance marathons.

“Last fall, during my fourth semester, I ran the New York City Marathon,” she said. “That was a bit crazy with my course load, but running helps keep me sane.”

Stefania Willis, clinical instructor in dental hygiene, first met Jennifer in preclinical lab during Jen’s first semester. In addition to instructing her in several didactic courses, Professor Willis also taught Jen in clinic and tutored her for Board review.

“What is striking about Jen is her effortless confidence and sincere interest in working with people. She has a very active home life and manages to balance that with her studies and commitment to running. She is
introspective, sensitive, and practical—all critical traits in clinical work and important qualities in a healthcare provider.”

One of Jen’s favorite classes was oral anatomy, a course taught by Professor Willis. “At first it scared me,” said Jen. “The course deals with putting everything we’ve learned in courses such as chemistry and human anatomy together and relating it to the oral cavity. That’s huge—it’s what we’re working in and with for the rest of our lives. It was intimidating and challenging, but Professor Willis taught it so well.”

In addition to her many other activities, Jen serves as Student Council secretary for the Student American Dental Hygienist’s Association (SADHA). Winnie Furnari, clinical assistant professor of dental hygiene, is the Student Council advisor to Jennifer and has also worked with her in clinic.

“Jen wears the hat of leadership very well,” said Professor Furnari. “She is a mother who has gone back to school. Good gracious, all that entails! I did it and know how big it is. You have to really want something badly to take on that kind of workload.”

Jen feels great mutual admiration for both Professors Willis and Furnari. “Honestly, it’s just so amazing to be around these women,” she said. “They are hygienists and professors and proud moms. It’s not like they’re movie stars or rock stars or people you can’t fathom. They are exactly who I want to be when I grow up.”

After she graduates, Jen plans to work as a dental hygienist in a private practice. “As a dental assistant, I had been watching people do procedures for years that I did not fully understand. I knew the instruments, but I did not know why a particular procedure or instrument was necessarily chosen, which is why working in clinic has been so fascinating—I am the one doing it now.”

Eventually, Jen would like to return to NYU to obtain a master’s degree in order to teach at NYUCD or at another dental school. “My joke is to hopefully have my master’s before my son does,” she said. “He’s 13 now so I still have some time.”

Jen also believes that she has an activist inside her. She would like to make an impact by helping the underserved to have greater access to oral health care.

Professor Willis said, “During our preclinical sessions, Jen often talked about her reasons for choosing the allied healthcare field. Those that resonated with me were her concerns about access to care, interest in working in nontraditional settings, and potential to influence healthcare policy change. She comes to the dental hygiene profession with a sense of what it means to be a member of a community committed to patient care.”

Jen plans to pursue her career with the same zeal she has demonstrated as a student. “A hygienist who just basically shows up and cleans teeth is not who I am,” she said. “I want to change the world, one tooth at a time.”

“I predict a lot of success for Jen,” said Professor Furnari. “She will make NYU extremely proud. I look forward to having her as my colleague someday.”

—Stephanie Susnjara

“Jen wears the hat of leadership very well. She is a mother who has gone back to school. Good gracious, all that entails! I did it and know how big it is. You have to really want something badly to take on that kind of workload.”

Professor Winnie Furnari
Q&A WITH DR. SCOTT PODELL: WHAT SPORTS COACHES CAN TEACH EDUCATORS ABOUT HELPING DENTAL STUDENTS TO SUCCEED

Dr. Scott W. Podell, group practice director and clinical assistant professor of cariology and comprehensive care, has a long history of coaching youth sports through various organizations, including the Boys and Girls Clubs. From these experiences, he has evolved a theory of teaching dental students predicated on the parallels he has observed between how players develop motor skills and how dental students transition to the clinical setting. Together with Dr. Jane Rosenthal, a former NYUCD faculty member and currently a learning specialist at the Keck School of Medicine at the University of Southern California, Dr. Podell has presented workshops utilizing this theory at several professional meetings, including the annual session of the American Dental Education Association (ADEA).

Dr. Podell draws on theories from sports psychology to manage the multiplicity of factors affecting competitive performance in athletes and dental students alike—including motivation, knowledge gaps, and difficulties with motor skills development—that make many students’ transition to the clinical setting challenging for both the learner and the instructor. His objectives are to identify issues confronting struggling students, to help educators understand these issues, and to develop and disseminate coaching strategies—including the concept of “deliberate practice”—that will give educators the tools they need to intervene and will guide learners to develop self-efficacy, which Dr. Podell defines as the belief in having the capabilities, skills, and strategies necessary to be successful.
Global Health Nexus (GHN):
When did you start to think about how sports psychology and coaching can help to improve dental students’ performance?
Dr. Podell: When I arrived at NYUCD eight years ago and began working with my first group of students, I was still very active in coaching youth sports. The parallels between what I was seeing on the clinic floor Monday through Friday and what I was seeing on the athletic field on weekends were startling. The most glaring commonalities between the dental students and young athletes were attitudes toward learning a new skill, dealing with adversity/failure, and varying ability, whether among dental students or young athletes. I thought it would be beneficial to adapt the most successful strategies I had used over the years in coaching to teach dental students.
GHN: In workshops, you often speak about “the approach of the coach.” What exactly does this mean, and who are some of the coaches whom you consider to be outstanding and why?
Dr. Podell: Players must perceive their coach as having limitless dedication to their development, together with a limitless passion for teaching. Knowledge or skill a coach has, what he or she has to offer will be of minimal value if any type of barrier exists between him/her and their players. Damien Woody, a former NFL player who now serves on ESPN as a pro football analyst, has spoken to me at length about the importance of accessibility on the part of the coach, along with a complete absence of skepticism on the part of the player with respect to the coach’s interests in that player’s future.

When Fred Hill was coaching the Rutgers men’s basketball team a few years ago, he graciously invited me to a team practice. Coach Hill’s reputation as an outstanding communicator and motivator became apparent the instant that practice started. At the same time, his players’ desire to perform at their highest level was palpable. Grambling University’s Eddie Robinson, who coached the football team from 1941 to 1997, was able to create an environment in which one could love learning while working harder than ever before, and in which the caring and accessibility of the coach was never in doubt. Robinson’s strategy for winning was getting to know each player as well as he could on a one-to-one basis during each and every season—not an easy task with such a large roster—and doing everything he could to extract as much talent as possible from each player. He referred to coaching as “a profession of love,” and that “love” enabled him to coach the most winning games in NCAA Division I college football history.

GHN: What parallels have you found between motivation in athletes and in dental students?
Dr. Podell: Many of the dynamics of motivation can be found in the principles of cognitive...
theory, specifically in the concepts of cognitive distortion and cognitive restructuring. People generally are not going to be motivated to learn a skill and bring their level of performance to excellence if they believe that they lack the capacity to do so. To put it another way, it’s the attitude: “I just don’t have what it takes.” Countless dental students and developing athletes have come to me in distress, convinced that they do not have the inherent ability to become competent. With rare exceptions, this is generally not the case. These students do have the capacity, but their impressions of themselves are distorted. A critical process in teaching/coaching is being able to recognize such distortion, and then tailoring a strategy to overcome it and help that student to view his or her abilities more clearly. Simply stated, athletes and dental students alike will not become motivated if they do not believe in themselves.

**GHN:** What parallels have you found between motor skills development in athletes and in dental students?

**Dr. Podell:** In my research on motor skills development, whether in dental surgery or athletic performance, I am convinced that the “deliberate practice” approach will yield the most promising results.

“Deliberate practice” is a learning method pioneered by psychologist K. Anders Ericsson, a professor of psychology at Florida State University, who asserts that how expert one becomes at a skill has more to do with how one practices than with merely performing a skill many times. According to Dr. Ericsson, an expert breaks down the skills that are required to be expert and focuses on improving those skill sets during practice, often paired with immediate coaching feedback. Another important feature of deliberate practice is constantly practicing a skill at more challenging levels with the intention of mastering it.

Common pitfalls in any practice regimen are the lack of well-defined tasks and the inappropriateness of the difficulty level. Practice cannot be done in a haphazard manner, and the skill which the student is working on can be neither too easy nor too difficult. When dealing with large groups, where talent levels often vary greatly from person to person, such regimens must be tailored to the individual, as opposed to a broad-brush approach.

**GHN:** Is it fair to say that you think that top performers—whether athletes or students—are made rather than born?

**Dr. Podell:** There is no doubt that natural ability plays a role in reaching the top, but countless studies of great performers in all fields have shown that constant commitment to their respective crafts is at the heart of success. A classic example is Tiger Woods, who many believe was just “born a great

> “Athletes and dental students alike will not become motivated if they do not believe in themselves.”
I have always believed that what separates the best mentors from the rest is how they manage situations when things are at their worst.

golfer." However, Woods was introduced to golf at the age of three, and put in 15 years of extremely intense deliberate practice regimens before winning his first amateur golf tournament. Professor Ericsson speaks of the “10,000-hour rule,” which is the idea that 20 hours of work per week in any specific task for 10 years will lead one to the top of his or her field. The critical value of this particular number can be debated, but few would reject the belief that there is no substitute for extraordinary commitment to practice hours, and one is more likely to put in such hours if she/he enjoys the experience. That is why it is so important for faculty/coaches to engender a sense of intrinsic joy, whether in learning dentistry or in playing a sport exceptionally well, rather than focusing on the external rewards which follow.

**GHN:** What has been your experience with struggling learners in helping to motivate them, close knowledge gaps, and develop motor skills?

**Dr. Podell:** First and foremost, one must be able to identify the barriers to success. A common misconception in coaching/teaching is that if an excellent instructor is introduced into the mix, the student will eventually learn. However, this accounts for only a portion of the big picture, and for that matter the smaller portion, or the tip of the iceberg. What is often overlooked is what is happening on the learning side of the teaching-learning dynamic, or the part of the iceberg which we do not see. What is the receptivity level of the learner? If it is not optimal, why is that so and what can we do to raise it? As trite as it sounds, learning a difficult task requires a positive attitude, and this can be very difficult to sustain when things go wrong—and things do go wrong from time to time, both on the clinic floor and on the playing field. I have always believed that what separates the best mentors from the rest is how they manage situations when things are at their worst.

**GHN:** What has been the response of your faculty colleagues to your coaching strategies?

**Dr. Podell:** As a team, the general dentists and specialists with whom I work on a day-to-day basis in our group practice have expressed their commitment to the creation of very supportive environments, the importance of strong mentors, and the proper application of skill development modeled after deliberate practice. One of the most exciting things about being at NYUCD is that the creation of an “A” team to assist students is never a difficult task.

**GHN:** What are you most optimistic about as a teacher using coaching strategies?

**Dr. Podell:** In my office are photos of each of our group practice's graduating seniors. When I look at each class picture I can recall at least a few students from any particular year who were in my office in tears, telling me that they were certain they just did not have what it takes to be a dentist. These are the ones I try hardest to keep up with after they graduate, and hearing how happy and successful they have become gives me immense joy and satisfaction. I like to think that the coaching strategies I utilize have played a part in helping them to transition from yesterday’s terribly painful feelings of despair to today’s exhilaration of victory, both personally and professionally.
THE REWARDS OF EMBRACING RISK

By Rosie Domenech

Technology & Informatics Services
New York University College of Dentistry;
MS Candidate, School for Continuing and
Professional Studies
New York University

I never would have imagined that learning to fly a Cessna 152 over upstate New York would so inspire me. Just before I embarked on my first flight-training experience, as I climbed into the airplane behind my trainer, my fears nearly derailed me. The question of how I could take control of the driver’s panel when I was barely able to remain composed while in the adjacent seat circled relentlessly through my mind. But something pushed me forward: The weather was perfect and the trainer seemed to be in a good mood.

To help dispel my fears, I began to recall other challenging experiences that had ended with positive results. In 2007, I had to represent myself in a long-running court case, in which I was the defendant. Not being able to afford an attorney, I took on the intimidating and time-consuming task of familiarizing myself with court jargon and the proper paperwork. It was a risk. The plaintiff was represented by a fierce and experienced high-profile attorney who vowed to squash me like a bug. But I remained defiant, quietly pleased with her characterization of me, since bugs are unrelenting.

My thoughts were interrupted when my trainer asked me to take the controls of the plane. I emerged from my reverie to discover that the airplane had ascended toward the sky, and was now cruising over the Adirondacks. I faltered before the beautiful scene. I couldn’t do this. But I swallowed my anxiety and thought about the many days in court when I argued my case. I recalled losing the traverse hearing in which my opponent argued that he wasn’t served properly and my case was found not to have enough evidence. Yet I remained steadfast, and continued to research my case and to file for still another hearing. I had butterflies in my stomach when I was called to present my opening statement but I persevered, fighting the fear that my words would be twisted and used against me. The case

“The plaintiff was represented by a fierce and experienced high-profile attorney who vowed to squash me like a bug. But I remained defiant, quietly pleased with her characterization of me, since bugs are unrelenting.”
These experiences—learning to fly a plane and to represent myself in court—led to my interest in risk management.

wore on for two grueling years, but was ultimately dismissed. At the conclusion, the Honorable Margaret Chan—the New York City judge presiding over the case—asked me to approach the bench in order to compliment me on my research, which she called “impressive,” and “very well done.” I cited New York City public law and the NYU Bobst Library as my resources. In the end, I was simply glad the whole thing was over.

Energized by that memory, I took the controls, and immediately realized how immersed I was in the situation. My angst quickly faded as I adapted to the plane’s motion. I felt a deep sense of confidence and pride flying that plane, rooted in my embrace of the challenge. When the time came to land the plane, I ceded the controls a bit reluctantly.

The flight experience affirmed Leonardo da Vinci’s words, “Once you have tasted flight, you will walk the earth with your eyes turned skyward, for there you have been, and there you will long to return.”

These experiences—learning to fly a plane and to represent myself in court—led to my interest in risk management. In 2011, I decided to merge my interests in risk management and in information systems security by pursuing a graduate degree in Enterprise Risk Management in Systems and Management, coupled with certifications in Information Systems Security (CISSP) and related control frameworks such as ISACA’s COBIT. My graduate studies include assessing probabilities that threat sources will either accidentally or intentionally harness a weakness within an information systems environment.

During the past 10 years, there has been an increase in attempted intrusions from foreign and domestic sources into multiple organizations’ IT systems, along with the collapse of major businesses—all caused by a lack of security and proper implementation in an information systems setting. While no individual can prevent technological intrusions, much can be done preventively. Just as I was not licensed by the State of New York to argue legal cases nor FAA-approved to fly airplanes, the secret of my success in those incidents was to become knowledgeable in how the system works, in how the system’s culture and methods operate, and well-versed in how past cases apply to current circumstances. In short, I was never afraid to try something new.

NEW YORK SOCIETY OF FORENSIC DENTISTRY AWARD PRESENTED TO NYUCD

The New York Society of Forensic Dentistry, whose members spent 10 months and thousands of hours examining the dental remains of victims of the September 11, 2001, World Trade Center terrorist attacks, has presented NYUCD an award it received on the 10th anniversary of the attacks from the Greater Harlem Chamber of Commerce. The award recognizes NYUCD’s role in providing materials and dental supplies to the forensic dentists many of them NYUCD alumni in the early hectic days of the recovery.

The award, a signed lithograph entitled “Steel Standing,” depicts the last standing façade of the World Trade Center. NYUCD is proud to be the permanent home of this historic award.

From left: Dr. Linda Edelstein, Dr. Lawrence Dobrin, Dr. Matthew Neary, Dr. Frank Pappas of the New York Society of Forensic Dentistry
The President’s Service Award recognizes the distinguished achievements of students and student organizations for their promotion of learning, leadership, and quality of student life at New York University. Each year, NYU students, faculty, and staff are invited to nominate NYU students and student organizations for a President’s Service Award. The President’s Office selects four finalists from each school.

This year, the four NYUCD President’s Award recipients are the Advanced Placement Student Dental Association, and its president, Dr. Parthiv Mehta, ’13, on behalf of the Association, for representing the needs of the Advanced Placement students; Jacqueline Greene, ’14, for founding a student professional organization, Women of Color in Dentistry, to foster the growth and development of all women in dentistry; Dr. Hans Hsu, ’13, for his dedication to promoting oral health in underrepresented areas in New York City; and Lorel Burns, ’15, for serving as the community service chairperson of NYUCD’s Student Council and for designing a program to prepare undergraduate students from underrepresented backgrounds for professional study.

NYUCD congratulates all the President’s Service Award winners and their faculty advisers, Dr. Ivy Peltz and Dr. Eric Studley, both clinical associate professors of cariology and comprehensive care and group practice directors.
EIGHTH ANNUAL NYU-LED ORAL CANCER AWARENESS WALK RAISES MORE THAN $50,000 TO HELP STAMP OUT ORAL CANCER

On Sunday, April 21, 2013, oral cancer survivors and their families joined dental students from the NYU chapter of the Student National Dental Association (SNDA), residents, dental hygiene students, nursing students, faculty, and staff from the NYU Colleges of Dentistry and Nursing for the eighth annual NYC Oral Cancer Awareness Walk, which set out from the Kissena Park Velodrome in Queens for a four-mile walk, ending at Citi Field, home of the Mets.

The event attracted 600-plus walkers and raised over $50,000—the highest total to date—for oral cancer awareness, prevention, and treatment. In addition to NYUCD and NYUCN, sponsors included Bronx-Lebanon Hospital Center, the NYU Oral Cancer Center, Columbia University College of Dental Medicine, the Oral Cancer Foundation, New York Hospital in Queens, the Oral Cancer Consortium, the State University of New York at Stony Brook, the UMDNJ New Jersey Dental School, and Boulevard Dental Center. Free oral cancer screenings were available at the event.

US Representative Grace Meng (D-Queens), whose husband is Dr. Wayne Kye, ’02, clinical assistant professor of periodontology and implant dentistry, congratulated the walkers on their commitment to increased public awareness of the importance of early detection of oral cancer.

As he has done since 2006, Dr. Ross Kerr, clinical professor of oral and maxillofacial pathology, radiology and medicine, provided invaluable strategic advice, encouragement, and support to the extraordinary student volunteers who made the walk such a great success.
On May 10, 2013, the Class of 2013, including approximately 350 candidates for the degree of Doctor of Dental Surgery, the AAS and BS degrees in dental hygiene, Advanced Education Program certificates, and MS degrees and certificates in clinical research, saw their dreams come true as they received their degrees and certificates before a crowd of more than 2,700 people in Avery Fisher Hall, Lincoln Center.

Further highlighting the ceremony were remarks by Eduardo D. Rodriguez, MD, DDS, Class of 1992, who, in March 2012, led a team of four other surgeons and more than 150 nurses, residents, anesthesiologists, and support staff at the University of Maryland Medical Center in Baltimore in an unprecedented, 36-hour, total facial transplantation and maxillofacial reconstruction on a man whose face had been shattered in a shooting accident (see related story on p. 28). Dr. Rodriguez received the Strusser Award in recognition of outstanding contributions to improved public health.

“My dental training gave me the foundation and the inspiration to pursue the career that I have today,” said Dr. Rodriguez. “As graduates of New York University College
of Dentistry, you too have the potential to contribute to advances in public health that are beyond your boldest imagining. I’m grateful for the education and training I received at NYUCD, for the opportunities they opened to me, and for the great honor bestowed on me today by my alma mater.”

“The NYU College of Dentistry celebrates the achievements of our newest alumni, of the faculty, family, and friends who have guided them to this momentous day, and of our distinguished Strusser Award recipient,” said Dean Bertolami. “Getting to this day has taken more than hard work, dedication, and discipline. It has also taken a commitment to educational excellence, a strong public service orientation, and a growing global perspective, all of which has made this class so special. We wish our graduates great success and happiness in the years ahead,” he concluded.
2013 SERVICE AWARDS RECOGNIZE FACULTY AND STAFF

One hundred and twenty-nine full- and part-time faculty members, administrators, and staff were honored at the 2013 Annual Service Awards Ceremony for their contributions to the Colleges of Dentistry and Nursing over an extended period of time. “All of these people have made NYUCD/NYUCN a place where people thrive in their positions and stay for many years,” said Dean Bertolami. “We are tremendously grateful to these individuals and thank each one for their outstanding service and commitment to the Colleges of Dentistry and Nursing.” The names of recipients of the 2013 Service Awards and their length of service appear below.

**40-Year Service Award**
Department of Basic Science and Craniofacial Biology
Dr. Robert J. Boylan
Dr. Joel D. Schiff

Department of Cariology and Comprehensive Care
Dr. Richard A. Kiman

Dental Hygiene Program
Ms. Judith L. Cleary

Department of Endodontics
Dr. Howard D. Silverman

Department of Oral and Maxillofacial Pathology, Radiology and Medicine
Ms. Brenda E. Lee

Department of Periodontology and Implant Dentistry
Dr. Stuart J. Froum

Office of the Vice Dean for International Initiatives and Development
Dr. Stuart M. Hirsch

**35-Year Service Award**
Department of Cariology and Comprehensive Care
Dr. Gabriel Fulop
Dr. Harry G. Meeker

Department of Prosthodontics
Dr. Bert Gaster
Dr. Ashok Soni

**30-Year Service Award**
Department of Cariology and Comprehensive Care
Dr. Eileen B. Kronenberg

Office of Clinical Operations
Ms. Joanne P. Wright

Department of Oral and Maxillofacial Pathology, Radiology and Medicine
Dr. Paul D. Freedman

Department of Oral and Maxillofacial Surgery
Dr. Jack P. Barak

**25-Year Service Award**
Department of Cariology and Comprehensive Care
Dr. Samuel T. Jung
Ms. Lisa Patterson

Department of Orthodontics
Dr. Neal L. Kaplan

Central Dental Laboratory
Mr. Reginald S. Brinkley
Office of Clinical Operations
Ms. Carol Alleyne
Ms. Marcia M. Ancher
Ms. Luz Tartaglia
Ms. Yuet Ming Yuen-Ologan

Linhart Continuing Dental Education Program
Mr. H. Kendall Beacham

Office of Financial Management and Business Operations
Ms. Lourdes Acosta Mendoza

Department of Pediatric Dentistry
Ms. Jill B. Fernandez

Ashman Department of Periodontology and Implant Dentistry
Dr. Leonard I. Linkow
Dr. Bernard G. Rupnarain

Office of Student Affairs and Admissions
Ms. Joanne Dunbar

20-Year Service Award
Office of Administration
Ms. Patricia Gaudin

Department of Basic Science and Craniofacial Biology
Dr. John S. Evans

Department of Cariology and Comprehensive Care
Mr. Vincent Alleluia
Ms. Nancy F. Fink
Dr. Mercedes Franklin
Dr. Gerald Klaczany
Mr. Patrick E. Reid

Central Sterilization Unit
Ms. Virginia Cummings

Office of Clinical Operations
Ms. Catherine Clarence
Ms. Ana Ledesma

Dental Hygiene Program
Ms. Judith Kreismann

Department of Oral and Maxillofacial Pathology, Radiology and Medicine
Dr. Thomas G. Jacoby
Dr. Ram D. Phull

Department of Oral and Maxillofacial Surgery
Dr. Vasiliki Karlis
Dr. Gayle T. Miranda

Department of Orthodontics
Dr. Trevor R. Gottfried
Dr. Gail E. Schupak

Department of Pediatric Dentistry
Dr. Neal G. Herman

Department of Prosthodontics
Dr. Debra H. Cohn
Mr. Paul Federico

15-Year Service Award
Department of Cariology and Comprehensive Care
Dr. Amin Ayoub
Dr. Jong S. Lim
Dr. Pradeep R. Mehta
Dr. Saverio Ravazzolo
Dr. Jay W. Schwarz
Dr. Kiwon Shin
Dr. Philippe Tardieu
Dr. Lucy M. Troncoso

Central Sterilization Unit
Ms. Lisa Nelson

Office of Clinical Operations
Mr. Wayne Green
Mr. Tyrone Herrera
Ms. Rosita Marzan
Mr. Eric Richards
Ms. Andrienne L. Washington

NYU Dental Faculty Practice
Ms. Tania M. Figueroa

Department of Epidemiology and Health Promotion
Dr. Stefanie L. Russell

Foundation Skills Support System
Ms. Marie Lydda T. Bien-Aime

College of Nursing
Mr. Lance Irving
Ms. Rwei Hwa Su

Department of Oral and Maxillofacial Pathology, Radiology and Medicine
Dr. Alexander R. Kerr

Department of Orthodontics
Dr. Mark Hochman
Dr. Michael A. Katz

Department of Pediatric Dentistry
Dr. Untray T. Brown
Dr. Lily J. Lim
Dr. Louis Siegelman
Ashman Department of Periodontology and Implant Dentistry
Dr. Satish A. Joshi
Dr. Stephen V. Mender
Dr. Yoseph M. Zaky

Office of Technology and Informatics Services
Mr. Ajitesh Tiwari

10-Year Service Award
Department of Basic Science and Craniofacial Biology
Mr. Zhiming He
Dr. Philip M. Tierno

Department of Biomaterials and Biomimetics
Dr. John L. Ricci
Dr. Yu Zhang

Department of Cariology and Comprehensive Care
Ms. Elaine K. Bajana
Dr. Jeh-Li Kao
Dr. Jonathan B. Levine
Dr. Kenneth S. Magid
Dr. Maureen McAndrew
Dr. Mark L. Pitel

Central Dental Laboratory
Mr. Steven J. Rosenthal

Central Sterilization Unit
Mr. Isaiah Morse
Mr. Edwin L. Padilla

Office of Clinical Operations
Ms. Alejandro Echavarria
Ms. Coliss Gibbs
Ms. Derylaine R. Giddings
Ms. Gracelyn Harris
Ms. Nadine Ledgister
Ms. Jennifer Lewis
Mr. Patricio Medina
Ms. Elma Morales
Ms. Ana Quinche
Ms. Vanessa Sejourne

Ashman Department of Periodontology and Implant Dentistry
Dr. Anca Bazile
Dr. Neil R. Bryson
Dr. Irina Kaluszshner-Shapira
Dr. Sandra E. Kupferman
Dr. Daniel B. Nejat
Dr. Sleiman N. Razzouk

Department of Oral and Maxillofacial Pathology, Radiology and Medicine
Dr. Frederick A. Curro
Dr. Elliott J. Dombroff
Ms. Eveline A. Erni
Ms. Olga A.C. Ibsen
Dr. Silvia Spivakovskly

Department of Oral and Maxillofacial Surgery
Dr. John J. Delfino

Department of Orthodontics
Dr. Joseph G. Ghafari

Patient Accounts
Ms. Veronica Burden

Department of Pediatric Dentistry
Dr. Nancy J. Dougherty
CONGRATULATIONS TO...

MS. KIM ATTANASI, clinical instructor in dental hygiene, on authoring “Digital Dental Imaging” for Dimensions.


DR. GARY BERKOWITZ, clinical associate professor of cariology and comprehensive care, on coauthoring “An Interdisciplinary Approach for the Management of Peg Lateral Incisors in Adolescents” for the Massachusetts Dental Journal with Dr. Joel Silver, clinical associate professor of cariology and comprehensive care.

DR. CHARLES N. BERTOLAMI, Herman Robert Fox Dean of NYUCD, on being inducted as a member of the Order of Malta.

MS. ELIZABETH BEST, outreach program administrator in the Department of Pediatric Dentistry, on winning an NYU Give-a-Violet Award for outstanding service to patients, faculty, students, and staff at NYUCD.

MS. SHIRLEY BIRENZ, clinical instructor of dental hygiene, on being reappointed to the New Jersey State Board of Dentistry.

DR. TIMOTHY BROMAGE, professor of biomaterials and biomimetics and of basic science and craniofacial biology, on coauthoring “Primate Enamel Evinces Long Period Biological Timing and Regulation of Life History” for the Journal of Theoretical Biology.

DR. MANI ALIKHANI, assistant professor of orthodontics, on presenting a lecture entitled “Bone Response to Orthodontic Forces” at the inaugural symposium of the Consortium for Translational Orthodontic Research (CTOR).

AMERICAN STUDENT DENTAL ASSOCIATION (ASDA) CHAPTER OF NYU, on receiving the Best Newsletter in Competition Award, presented for excellence in journalism and strong local leadership.

DR. KENNETH W. ASCHEIM, clinical associate professor of cariology and comprehensive care, on receiving the 2011 ADA Standards Committee for Dental Informatics Volunteer Award.

MS. ASHLIE D. BUTLER, on being appointed executive assistant to the vice dean in the Office of Development and International Affairs.
MS. BREN-ANN CHIN, manager of medical records, on receiving a graduate certificate in health information technology from the Columbia University School of Bioinformatics.

MS. CHRISTINA CHONG, on being appointed an admissions officer in the Office of Student Affairs and Admissions.


DR. ALI ALPER COMUT, clinical assistant professor of prosthodontics, on chairing a session on “Challenges in Implant Prosthodontics and Management of Complications” at the International Implant Symposium organized by the Ankara University School of Dental Medicine, and on presenting two lectures: “Principles and Mechanisms of Soft Tissue Implant Interface” and “Management of Peri-Implant Soft Tissue,” at the symposium. Added kudos to Dr. Comut on coauthoring “Use of Forced Eruption to Enhance a Pontic Site in the Anterior Maxilla” for the Journal of Prosthetic Dentistry. Dr. Comut’s coauthors were Dr. Varun Acharya, teaching fellow in the Department of Prosthodontics, and Dr. Leila Jahangiri, associate professor and chair of the Department of Prosthodontics. Dr. Comut also presented two posters at the fall 2012 meeting of the Greater New York Academy of Prosthodontics: “Neutral Zone Technique Revisited,” and “Use of Ball Clasp as a Retentive Arm for a Metal-Based Removable Partial Denture,” with Dr. Tanya Somohano, Dr. Gabriela Carranza, and Dr. Boopakorn Pattarageatipong, all teaching fellows in the Department of Prosthodontics.

DR. RON CRAIG, associate professor and academic coordinator of basic science and craniofacial biology, on coauthoring a series of articles on studies conducted by the PEARL Network, including many published in the Journal of the American Dental Association (JADA).

DR. FREDERICK CURRO, clinical professor of oral and maxillofacial pathology, radiology and medicine, on coauthoring “The PBRN Initiative: Transforming New Technologies to Improve Patient Care” for the Journal of Dental Research. Dr. Curro’s coauthors included Dr. Louis Terracio, vice dean for research, professor of basic science and craniofacial...
biodiversity, and interim chair of the Department of Biomaterials and Biomimetics, and Dr. Van Thompson, former professor of biomaterials and biomimetics.

DR. ANANDA P. DASANAYAKE, professor of epidemiology and health promotion and director of the MS degree and certificate programs in clinical research, on presenting “The Mouth Is a Mirror: Oral and Systemic Health” at the 2012 International Conference on Global Public Health.

DR. GIORGIO T. DIVINCENZO, clinical assistant professor of periodontology and implant dentistry, on being elected secretary of the New Jersey Dental Association.

MS. ELS EERDEKENS, on being promoted to human resources generalist in the Office of Human Resources and Faculty Services.

MS. HELEN DOWLER, assistant director of admissions, on earning an MS degree in social work from the NYU Silver School of Social Work, and on passing the New York State social work licensing examination.

DR. ELISE S. EISENBERG, senior director of dental informatics and clinical professor of epidemiology and health promotion, on being awarded an American Dental Education Association (ADEA) Presidential Citation.

DR. STEVEN ENGBRETSON, associate professor and chair of the Ashman Department of Periodontology and Implant Dentistry, on presenting “The Effect of Diabetes on Periodontal Disease” at the First American Diabetes Association Middle East Congress on Diabetes Prevention and Treatment, held in Dubai, United Arab Emirates, in December 2012.

DR. WILLIAM EIDTSON, on earning his EdD degree from Columbia University.
DR. DENISE ESTAFAN, associate professor of cariology and comprehensive care, on presenting a lecture entitled “Engage: Teaching Pre-Doctoral Students State-of-the-Art Dentistry Using CAD/CAM Technology” at the International Technology, Education, and Development Conference.

DR. JOHN S. EVANS, professor of basic science and craniofacial biology, on being invited to speak at a Faraday Discussion meeting organized by the Royal Society of Chemistry. Dr. Evans’s presentation focused on the intra-crystalline protein family, Asprich.

DR. STUART J. FROUM, clinical professor of periodontology and implant dentistry, on being appointed to the American Academy of Periodontology Board of Trustees.


DR. CHANDURPAL P. GEHANI, clinical associate professor of endodontics, on receiving the Emil Lentchner Distinguished Service Award from the Queens County Dental Society.

DR. K. MICHAEL GHALILI, clinical professor of prosthodontics and program director of the Advanced Program in Comprehensive Dentistry for International Dentists, on being the sole invited American lecturer at the 2013 East European Congress of Dental Implantation in Ukraine, which
was attended by dentists from 15 countries. Dr. Ghalili spoke before 1,500 participants on “Innovations in Modern Aesthetic Dentistry.”

**DR. DAVID L. GLOTZER,** clinical professor of cariology and comprehensive care, on authoring a chapter entitled “The Role of the Dentist” for *Local Planning for Terror and Disaster: From Bioterrorism to Earthquakes*, a reader handbook published by Wiley-Blackwell, and on being interviewed by *Impact*, a publication of the Academy of General Dentistry, on terrorism preparedness.

**DR. GARY GOLDSTEIN,** professor of prosthodontics, on receiving the Distinguished Service Award from the American College of Prosthodontists.

**DR. ERIN L. GROSS,** clinical assistant professor of pediatric dentistry, on receiving the NuSmile Graduate Student Research Award and the Ralph E. McDonald Award presented by the American Academy of Pediatric Dentistry.

**DR. MIHAELA M. HARUTUNIAN,** clinical assistant professor of cariology and comprehensive care, on co-presenting “Visual Learning: Technology Helping Students in Treatment Presentations,” and “60 is Today’s New 40: Age Is Not a Factor in Esthetic Dentistry,” with Dr. Angela De Bartolo and Dr. Bruce Brandolin, both clinical assistant professors and group practice directors in the Department of Cariology and Comprehensive Care, at the annual International Technology, Education and Development Conference.

**DR. LEILA JAHANGIRI,** associate professor and chair of the Department of Prosthodontics, and Dr. Ralph Katz, professor and chair of the Department of Epidemiology and Health Promotion, on coauthoring “The First-Choice Standard of Care for an Edentulous Mandible” for the *Journal of the American Dental Association*.

**MR. HENRY JENSON,** Class of 2014, on receiving the inaugural outstanding student research achievement award presented by the Department of Basic Science and Craniofacial Biology. Mr. Jensen was recognized for an exemplary second year in the basic science courses.

Henry Jenson, ’14, far right, with Dr. Robert Boylan and Dr. Nicola Partridge
DR. MAGDALENA KIMMICH, visiting scholar in the Ashman Department of Periodontology and Implant Dentistry and the Department of Biomaterials and Biomimetics, on coauthoring an article entitled “Intraoral Treatment of Veneering Porcelain Chipping of Fixed Dental Restorations: A Review and Clinical Application” for the Journal of the American Dental Association (JADA).

DR. PHILIP KOTICK, instructor in cariology and comprehensive care, on coauthoring “The Use of CAD/CAM in Dentistry” for Dental Clinics of North America, and on his role as lead author of “Abutment Selection for Implant Restorations” for Inside Dentistry.

DR. MEIR KOZLOVSKY, clinical assistant professor of cariology and comprehensive care, on presenting a paper entitled “Developing Audiovisual Content to Enhance Learning of Clinical Skills” at the 2012 International Conference of Education, Research, and Innovation (ICERI) in Madrid. Dr. Kozlovsky’s co­presenter was Dr. Mark S. Wolff, professor and chair of the Department of Cariology and Comprehensive Care and associate dean for predoctoral clinical education.

MR. JOE LEE, Class of 2014, and his classmates, on their work with Citizen Schools, which provides after-school enrichment programs to middle school children in low-income communities.

DR. WAYNE KYE, clinical assistant professor of periodontology and implant dentistry, on the swearing-in of his wife, Representative Grace Meng, as a member of the US Congress for New York’s sixth Congressional District in Queens in January 2013. Representative Meng is shown above with Dr. Kye and their children at her swearing-in by John A. Boehner, Speaker of the US House of Representatives.

DR. DAVID LEVENSON, clinical assistant professor of oral and maxillofacial pathology, radiology and medicine, on coauthoring an article entitled “Dental Management of a Liver Transplant Patient: A Case Report” for The New York State Dental Journal (NYSDJ). The article, which was featured on
the cover of the January 2013 issue of the NYSDJ, was coauthored by Dr. Analia Veitz-Keenan, clinical assistant professor of oral and maxillofacial pathology, radiology and medicine.

**Dr. Harold Litvak**, clinical professor of prosthodontics, on receiving the Dan Gordon Award (lifetime achievement award) from the American College of Prosthodontists.

**Ms. Diana Macri**, clinical instructor in dental hygiene, on authoring “The Amigos Path to Improving Access” for Registered Dental Hygienist.

**Dr. Kenneth Magid**, clinical associate professor of cariology and comprehensive care, on being awarded fellowship in the International College of Dentists.

**Dr. William J. Maloney**, clinical associate professor and academic coordinator in the Department of Cariology and Comprehensive Care, on authoring “Review of Fixed Prosthodontics: Principles and Clinics” for The New York State Dental Journal; “The Impact of the Rehabilitation of Occlusal Interferences to the Activity of Masticatory Muscles” for Dentistry; “Significance of Cannabis Use to Dental Practice” for the Journal of the Michigan Dental Association and Today’s FDA; “President Calvin Coolidge’s Asthma and Modern Management of Asthma Patients in the Dental Setting” for The New York State Dental Journal; and “Manifestaciones Bucales del Uso de la Heroína y su Significado en la Practica Dental (“The Oral Manifestations of Heroin Use and Its Significance in Dental Practice”) for Dentista y Paciente. Dr. Maloney was also named a reviewer for the World Journal of Stomatology.

**Dr. Maureen McAndrew**, clinical associate professor of cariology and comprehensive care and senior director of professional development, on coauthoring an article entitled “Using Multiple Measures to Evaluate a Dental Faculty Development Program” for the European Journal of Dental Education. Added kudos to Dr. McAndrew on coauthoring an
article entitled “The Makings of Effective Dental Educators,” which was published by Medscape. Dr. McAndrew’s coauthor was Dr. Leila Jahangiri, associate professor and chair of the Department of Prosthodontics.

**DR. NICOLA PARTRIDGE**, professor and chair of the Department of Basic Science and Craniofacial Biology, on authoring a chapter entitled “Parathyroid Hormone and Parathyroid-Hormone-Related Protein: Normal Function, Diseases, and Emerging Therapeutics” for the textbook, *Bone-Metabolic Functions and Modulators*.

**DR. JOAN PHELAN**, professor and chair of the Department of Oral and Maxillofacial Pathology, Radiology and Medicine, on participating in the 2012 Leukemia & Lymphoma Society’s “Light the Night Walk.”

**DR. SCOTT PODELL**, clinical assistant professor of cariology and comprehensive care, on coauthoring an article entitled “A New Look at Maxillary Midline Diastema” for *Dentista y Paciente*. Dr. Podell’s coauthors were Dr. William J. Maloney, clinical associate professor of cariology and comprehensive care, and Dr. Collin Emerick, Class of 2013.

**MS. SHERRY PRABHUDIAL**, admissions officer, on receiving an MA degree in higher education and student affairs from the NYU Steinhardt School of Culture, Education, and Human Development.

**DR. KAREN G. RAPHAEL**, professor of oral and maxillofacial pathology, radiology and medicine, on authoring “Post-Traumatic Stress Disorder Moderates the Relation Between Documented Childhood Victimization and Pain 30 Years Later,” and on coauthoring “Sleep Bruxism and Myofascial Temporomandibular Disorders: A Laboratory-Based Polysomnographic Investigation” for the *Journal of the American Dental Association (JADA)*. Dr. Raphael’s coauthors included Dr. David A. Sirois, associate professor of oral and maxillofacial pathology, radiology and medicine; Dr. Malvin N. Janal, senior research scientist, Department of Epidemiology and Health Promotion; Dr. Pia E. Wegrin, former associate research scientist, Department of Oral and Maxillofacial Pathology, Radiology and Medicine; Dr. Lena V. Nemelivsky, former associate research scientist, Department of Oral and Maxillofacial Pathology, Radiology and Medicine; and Dr. Jack J. Klausner, assistant professor of oral and maxillofacial pathology, radiology and medicine.

**DR. JOHN RICCI**, associate professor of biomaterials and...
biomimetics, on becoming a fellow of Biomaterials Science and Engineering of the International Union of Societies for Biomaterials Science and Engineering.

**MS. JASMINE RODRIGUEZ,** on being appointed a research administrator in the Department of Cariology and Comprehensive Care.

**DR. EDWIN ROSENBERG,** clinical professor of periodontology and implant dentistry, on being recognized as the 2012 American Academy of Periodontology Master Clinician.


**MR. MAURICE SHIRLEY,** on being appointed a student affairs administrator in the Office of Student Affairs and Admissions.

**MR. JONATHAN SERBIN,** on being appointed a human resources administrative coordinator in the Office of Human Resources and Faculty Services.

**DR. DEEPAK SAXENA,** assistant professor of basic science and craniofacial biology, on coauthoring an article entitled “Human Microbiome and HIV/AIDS” for Current HIV/AIDS Reports.

**DR. ASGEIR SIGURDSSON,** associate professor and chair of the Quartararo Department of
Endodontics, on being appointed associate editor of Acta Odontologica Scandinavica, a peer-reviewed medical journal that covers dental research.

DR. JOEL SILVER, clinical assistant professor of cariology and comprehensive care, on coauthoring “General Ulysses S. Grant’s Foe: Squamous Cell Carcinoma” for Dentista y Paciente with Dr. David Hershkowitz, clinical assistant professor of cariology and comprehensive care; Dr. William J. Maloney, clinical associate professor of cariology and comprehensive care; and Dr. Edward Kampf, clinical instructor of cariology and comprehensive care.

DR. ANDREW I. SPIELMAN, associate dean for academic affairs and professor of basic science and craniofacial biology, on being elected secretary for the section on academic affairs of the American Dental Education Association (ADEA).

DR. SILVIA SPIVAKOVSKY, clinical assistant professor of oral and maxillofacial pathology, radiology and medicine, on becoming an American Dental Education Association (ADEA) Leadership Institute Fellow.

DR. SAMAR TANNOUS, clinical instructor of cariology and comprehensive care, on being featured in Westchester Parent in a section entitled “Meet the Healthcare Professional.”

DR. CRISTINA TEIXEIRA, associate professor and chair of the Department of Orthodontics, on presenting a lecture entitled “Gene Therapy and Orthodontics” at the inaugural symposium of the Consortium for Translational Orthodontic Research.

MR. JONATHAN TRAVERAS, admissions officer, on receiving an MA degree in higher education and student affairs from the NYU Steinhardt School of Culture, Education, and Human Development.

MR. CHRISTOPHER TUNG, on being appointed research administrator in the Office of the Vice Dean for Development and International Affairs.

DR. ANALIA VEITZ-KEENAN, clinical associate professor of oral and maxillofacial pathology, radiology and medicine, on co-organizing the December 2012 issue of the Journal of Evidence-
Based Dentistry, which included commentaries from a number of NYUCD faculty, including Dr. Ivy Peltz, clinical associate professor of cariology and comprehensive care; Dr. Silvia Spivakovsky, Dr. Debra Ferraiolo, Dr. David Levenson, Dr. Lewis Lampert, and Dr. Danny Lo, all clinical assistant professors of oral and maxillofacial pathology, radiology and medicine.

**DR. ANTHONY VERNILLO,** professor of oral and maxillofacial pathology, radiology and medicine, on authoring “Advances in Oral Fluid Testing—Proposed Property Rights, Violation of Privacy, and Revising Informed Consent” for *Ethics in Biology, Engineering, & Medicine; “Feasibility of Implementing Rapid Oral Fluid HIV Testing in an Urban University Dental Clinic: a Qualitative Study” for *BMC Oral Health; “PBRN Infrastructure Design for IRB Risk Assessment and Generalizability of Clinical Results” for *Drug Information Journal; and on presenting a session entitled “Ethical Decision-Making in Global Health Research” at the 90th General Session of the International Association for Dental Research in Brazil.

**MS. KATIE WEBER,** a student in the master’s degree program in oral biology, on being a finalist in NYU’s Threesis Challenge, an annual academic challenge sponsored by the Graduate School of Arts and Science (GSAS). Ms. Weber won a spot in the finals by summarizing her research on “Biofilm and Dental Caries” in three minutes before a panel of judges from GSAS. Ms. Weber’s mentor was Dr. Simone Duarte, assistant professor of basic science and craniofacial biology.

**DR. MEA WEINBERG,** clinical associate professor of periodontology and implant dentistry, on coauthoring an article entitled “Managing Heart-Related Complications in Patients with Diabetes” for *US Pharmacist*. Dr. Weinberg’s coauthor was Dr. Stuart Segelnick, clinical associate professor of periodontology and implant dentistry.

**DR. RICHARD WLEDNIGER,** clinical assistant professor of cariology and comprehensive care, on being named a preparer of the American National Standard Specification/ American Dental Association No. 1058 – Forensic Dental Data Set.

**MS. STEFANIA WILLIS,** clinical assistant professor of
dental hygiene, on coauthoring “Treating Patients After Weight Loss Surgery” for Dimensions with Ms. Christina Silverman and Ms. Frederika Raizberg, both graduates of the Dental Hygiene Program Class of 2013.

DR. MARK S. WOLFF, professor and chair of the Department of Cariology and Comprehensive Care and associate dean for predoctoral clinical education, on being named to the advisory boards of the New York City Department of Health’s Oral Health Task Force, Men’s Health Magazine, and a new health/wellness advisory web portal being launched by Time Warner and Turner Broadcasting.

DR. YING JO WONG, clinical assistant professor of cariology and comprehensive care, on receiving a Mastership Award from the Academy of General Dentistry, and on coauthoring articles entitled “Combined Antiviral-Corticosteroid Therapy for Bell’s Palsy Yields Inconclusive Benefit” for the Journal of the American Dental Association (JADA), and “Limited Evidence for a Higher Risk of Implant Failure and Marginal Bone Loss in Patients with a History of Periodontitis” for the American Dental Association Center for Evidence-Based Dentistry’s website.

MS. ANGELA K. WU, on being appointed a nurse practitioner at the Bluestone Center for Clinical Research.

DR. SEIICHI YAMANO, assistant professor of prosthodontics, on receiving the Young Prosthodontist Innovator Award presented by the American College of Prosthodontists Education Foundation. This is the third consecutive year in which Dr. Yamano has won this award.

DR. IRA ZINNER, clinical professor of prosthodontics, on coauthoring “Sequential Provisional Implant Prosthodontics Therapy” for General Dentistry.

We Want to Hear From You

Please e-mail news of recent professional achievements to elyse.bloom@nyu.edu, and look for your name in Global Health Nexus.
Alumni in the Spotlight

‘50s
DR. SHELDON WINKLER, Class of 1956, on publishing his seventh book, The Music of World War II: War Songs and Their Stories, which was released by Merriam Press. Dr. Winkler is currently senior editor of the Journal of Oral Implantology and executive director of the American Academy of Implant Prosthodontics. He was on the faculty of NYUCD from 1958 to 1961 and from 1966 to 1968.

DR. STANLEY WOODS-FRANKEL, Class of 1959, on publishing a mystery entitled False Impressions about a crime-solving dentist.

‘60s

DR. HAROLD I. SUSSMAN, Advanced Education Program in Periodontics Class of 1968, on presenting a lecture entitled “Apical-Implant Pathology” at Otago University in New Zealand, and on coauthoring a chapter entitled “MDI Solutions for the Medically Compromised Patient” for the textbook, Mini Dental Implants: Principles and Practices.

‘70s
DR. JACK DILLENBERG, Class of 1971, on receiving the Arizona Medical Association’s Humanitarian Award and on authoring “The Challenge of Access to Care” for Dentistry Today.


DR. RONALD LINDEN, Class of 1975, on authoring the book, You Can Conquer Your Dental Fear.

DR. KEVIN M. MURPHY, Class of 1978, on being featured in an article about dental technology in El Nuevo Herald Miami for his use of new technology to lower healing time.

‘80s
DR. RICHARD RAUSCH, Class of 1973, on being elected general chair of the Greater New York Dental Meeting.

DR. RICHARD D. RIVA, Class of 1975, on his appointment as a member of the New Jersey State Board of Dentistry.

DR. MICHAEL WASSERMAN, Class of 1979, on being elected president of the Massachusetts Dental Society.

Dr. David Darrow, Class of 1983, on coauthoring a paper entitled “Orodental Manifestations of Facial Port-Wine Stains” for the Journal of the American Academy of Dermatology.
DR. DMITRY GORBUNOV, Class of 1989, on being featured in an article in Aventura Magazine.

DR. MARIA C. MARANGA, Class of 1988, on being selected as a fellow by the American Dental Association’s Institute for Diversity in Leadership.

‘90s

DR. ROSAMINA B. DE LA ROSA, Class of 1992, on being featured in an article about dentists and social media in the American Chronicle.

DR. FRANK R. DEPAOLA, Class of 1996, on becoming a fellow of the Academy of General Dentistry.

DR. SALVATORE M. PIZZINO, Class of 1994, on being appointed chairman of the Connecticut State Dental Association’s Board of Peer Review.

DR. EDUARDO D. RODRIGUEZ, Class of 1992, on being featured in the Miami Herald and on CNN about performing the first full facial transplantation in history (see story on p. 28).

‘00s

DR. EKTA SAGAR, Class of 2010, on participating in an outreach to provide free dental care to Haitians.

DR. PRIYADARSHINI TRIKHA, Class of 2008, on being selected to serve as a Guest Member of the Board of Trustees of the Massachusetts Dental Society.

Alumni Association Gala for 2012–13 Officers and Directors

Far right: Dr. Benjamin Godder, president-elect, NYUCD Alumni Association

NYUCD’s Rosenthal Institute for Aesthetic Dentistry was the site last fall of a gala tribute to the 2012–13 officers and directors of the Alumni Association, listed at right.

Alumni Association 2012-13 Officers and Directors

President
Dr. Elise Eisenberg, ’84

President-Elect
Dr. Benjamin Godder, ’85

Vice President
Dr. William Bongiorno, ’73

Secretary
Dr. Michael Leifert, ’02

Treasurer
Dr. Amin Ayoub, ’92

Alumni Association Directors
Dr. Yakir Arteaga, ’00
Dr. Angela De Bartolo, ’87
Dr. Esther Kuyinu, ’94
Dr. Courtney Linenberg, ’06
Dr. Maureen McAndrew, ’83
Dr. Marjan Moghadam, ’02
Dr. Roya Mohajer, ’02
Dr. Glenn Rochlen
Dr. Mark Schlesinger, ’02
Dr. Rada Sumareva, ’96
Dr. Vera Tang, ’00
Dr. Ali Weiselberg, ’06
Dr. Dominick P. DePaola, ’69, one of NYUCD’s most illustrious, respected, and beloved alumni, passed away in April.

Dr. DePaola served most recently as academic dean of Nova Southeastern University College of Dental Medicine. He served previously as president and CEO of The Forsyth Institute in Boston. Dr. DePaola was the first person to serve as president of both the American Dental Education Association (ADEA) and the American Association for Dental Research (AADR). Earlier in his career he served as dean of three of our nation’s dental schools, dean of a graduate school of biomedical sciences, and president of two academic campuses. Dr. DePaola was widely regarded as a visionary leader in health professions education and was a frequent consultant to nonprofit boards, the academic community, the public sector, and private industry.

On June 17th, in an unprecedented collaborative initiative, the American Association for Dental Research (AADR), American Dental Education Association (ADEA), the Santa Fe Group (SFG), and the Dental Trade Alliance (DTA) are cosponsoring a “Celebration of Dom’s Life” in Washington, DC.

“This celebration says a lot about how people felt about Dom,” said his close friend, former executive vice president of NYU and former dean of NYUCD, Dr. Michael C. Alfano, who authored a reminiscence of Dr. DePaola, titled “In Memoriam,” which will appear in an upcoming issue of the Journal of Dental Research (JDR).

Dr. DePaola was a frequent contributor to Global Health Nexus, which he enriched with his always witty, eloquent, and provocative comments. Beyond all of his professional accomplishments, Dom DePaola was an inspiring, captivating, and gracious person, whose kindness, warmth, and collegiality touched us all.
NYUCD Mourns the Passing of Drs. Robert S. Schoor, Mitchell S. Pines, and Racquel Z. LeGeros

It is with profound sadness that the students, faculty, and staff of the New York University College of Dentistry record the loss of three of its most distinguished and beloved faculty members, colleagues, and friends, Dr. Robert S. Schoor, Dr. Mitchell S. Pines, and Dr. Racquel Z. LeGeros.

Dr. Robert S. Schoor served NYUCD beginning in 1998 as program director for the postgraduate program in periodontics and as clinical associate professor of periodontology and implant dentistry. His career as a periodontist, dental educator, and leader in his specialty area spanned five decades. He served as president of the American Academy of Periodontology, a member of that organization’s board of trustees, and as a director and co-chair of the American Board of Periodontology. Bob was a regular reviewer for the Journal of Periodontology, a prolific author, and a nationally and internationally renowned lecturer. Profoundly generous to the hundreds of residents whom he mentored and inspired, he was also a caring clinician and trusted advisor to his faculty colleagues.

Dr. Mitchell S. Pines, a long-time member of the faculty of both the Department of Cariology and Comprehensive Care and the Department of Biomaterials and Biomimetics, mentored hundreds of students in dental research and clinical dentistry. A gentle and nurturing person, he never tired of helping the students he loved and respected so deeply. All who knew him learned from him. He will be remembered for his extensive contributions to dental education and research and to promoting an environment of excellence for students, faculty and staff.

Dr. Racquel Z. LeGeros, professor and associate chair of the Department of Biomaterials and Biomimetics and the Linkow Professor of Implant Dentistry, served the NYU College of Dentistry with distinction for more than 50 years. She was a pioneer in the field of calcium phosphate research in teeth and bones, calcification’s impact on oral and systemic function, and calcium phosphate biomaterials for bone and soft tissue repair, replacement, and regeneration. Throughout her tenure at NYU, Dr. LeGeros was continuously funded by federal and industry sources; her most recent grant was to study a
novel treatment she developed to treat osteoporosis. In 1995, she received a major grant from the NIH to establish the NYU Research Center in Minority Oral Health. In recent years, in addition to her focus on the prevention and reversal of bone loss due to osteoporosis, she was investigating innovative compounds to treat tooth sensitivity that would also reverse tooth decay.

Dr. LeGeros made over 100 trips abroad to present her research to colleagues at overseas universities and congresses, in the process helping to found a scientific community dedicated to calcium phosphate research and its dental and medical applications.

Through their scholarship, dedication to our students, and commitment to the advancement of dental science, Drs. Schoor, Pines, and LeGeros have left an outstanding legacy to NYUCD, and we will miss them deeply.

Also Mourned

Dr. Marvin Carmen, former faculty member, Department of Prosthodontics
Dr. Lawrence Cash, Class of 1945
Dr. Meryl Efron, Class of 1983
Dr. Raphael Escoe, Class of 1953
Dr. Donald Fisher, Class of 1969
Dr. Marvin I. Friedman, Class of 1961
Dr. Harold Goldenberg, Class of 1945
Dr. Marvin Hamburg, Class of 1951
Dr. Milton A. Jaffe, Class of 1942
Dr. Frank Remy, Class of 1944
Dr. Ronald M. Staub, Class of 1957
Dr. Julius Wold, Class of 1934
WE THANK OUR BENEFactors

ALLumni, FACULTY, FRIENDS, CORPORATIONS, FOUNDATIONS, AND ORGANIZATIONS—for THEIR GENERous SUPPORT OF THE COLLege. WE ARE PROUD TO RECOGNIZE YOUR GIFTS OF CASH, PLEDGE PAYMENTS, PLANNED GIFTS, GIFTS-IN-KIND, AND PLEDGES OVER $25,000, WHICH WERE MADE BETWEEN SEPTEMBER 1, 2011 AND AUGUST 31, 2012.

$1,000,000–$1,500,000
Estate of David O. Habib
Nobel Biocare USA, Inc.
Septodont

$800,000
Peter & Inge Brasseler Foundation, Inc.

$400,000–$500,000
Anonymous
Anonymous
Elliott M. Moskowitz Orthodontics Alumni Association
Henry Schein, Inc.

$250,000–$399,999
Biomet 3i
Sirona Dental Systems, LLC
William M. Stutzel

$100,000–$249,999
Anonymous
Anonymous
Michael and Daphna Atar
Colgate-Palmolive Company
Estate of Rose Gutmacher
Mailin Mimi Lai
Yon H. Lai

$50,000–$99,999
Anonymous
Arthur and Bonnie Ashman
Stephen J. Cuchel
East Side Orthodontics Dental Group, PLLC
Estate of Florence Schwartz
Estate of Wanda Piecewicz Dick
Healthplex, Inc.
Inception I, Inc.
International Association for Dental Research
Martin Kane
Jan and Ellen Linhart
Oral & Maxillofacial Surgery of Westfield
M. Bina Park
Mr. and Mrs. Phil Pelligra
Perfect Finish Ortho Lab, Inc.
Rasmussen Foundation
Everett R. Reff
Straumann U.S.A.
3M ESPE Dental Products
Michael Tokarz
Ultradent Products, Inc.

$25,000–$49,999
Anonymous
Anonymous
Mitra Astar
Charles and Linda Bertolami
William and Rhea Boss Burton Cohen
Gerald and Georgia Curatola
Dentsply International, Inc.
GC America, Inc.
Susan G. Komen Breast Cancer Foundation
Salman A. Malik
Marotta Dental Studio, Inc.
Leonard and Christine Marotta and Steven Pagliacci
Richard and Eddyhe Vogel
Stephen Zeck

$10,000–$24,999
Anonymous
Anonymous
Anonymous
ACP Education Foundation
DMG America
Abraham Esse
Jonathan and Maxine Ferencz
Robert S. Glickman
Eileen Gottlieb Schein
Stuart Hirsch
Mark and Emily Hochberg
Anderson T. Huang
William Benjamin Johnson
David and Roma Korris Harald A.B. Linke
Oral Health America
Rory T. Perimenis
Joel Pinsky
Stryker Cranio maxillofacial Violight, Inc.
Marcie Berger Young and James Young
Steven Young

$5,000–$9,999
Anonymous
Housam Alkhoury
Arthur G. Altschul, Jr.
Alveologic, LLC
Joseph D. DeMaio
DRC Charities
Property, Inc.
Oleg Drut
Michael L. Gelb
Robert Todd Gilliland
Stuart Michael Goff and Anastasia Tanya Depounit
Michael R. Herman
Gerald and Joyce Hoch
Kathleen E. Isdith
Vasiliki Karlis and Demeta Karlis-Kounsalieh
P&G Professional Oral Health
Eric Ploumis
Rajendar M. Saini and Tarun Saini
Leonard V. Settembrini
Estate of Saul Shapiro
Shendell Foundation
Robert J. Sicurelli, Jr.

$2,000–$4,999
Anonymous
Roya Afshar-Mohajer
Warren and Sue Ellen Appleman
Philip H. Artenberg
Andy Ashitani and Claudia Karkia
Jeffrey and Leslie Brook
Radu Buruiana
Mi Jin Choi
John F. Como
Cosmo and Marilyn De Steno
Stuart J. Froum
Yukio Fujimori
Roland Hassan
Randolph A. Holly
Daniel J. Huang
Leila Jahangiri
Kathryn Karpinski
Michael A. Katz
David Kreutzer
Mark Kuo
Merck & Company, Inc.
Prenard Rainey Mickens
Emanuel Mizrahi
Rory E. Mortman
Olivier Nicolay
Efrem M. Nulman
Takeo Ogawa
Panadent Corporation
PNC Financial Services Group
Steven J. Resnick
Paul and Maxine Rosenberg
Joseph and Janet Spector
Andrew and Cecelina Spielman
Ricardo Vanegas-Plata
Mark and Barbara Wolff
John J. Young, Jr.

$1,000–$1,999
Anonymous
Anonymous
Anonymous
H. Lee Adamo
Kambiz Afshar-Mohajer
Farah Ahmad
Robert L. Albin
Mani Alikhani
Kenneth and Carol Allen
Vikramjit S. Anand
Lisa R. Antonoff
Michael Apa
Yakir A. Arteaga and Amy Hernandez-Artega
Samuel W. Askinas
Amin Y. Ayoub
Peter J. Babick
H. Kendall Beacham
Andrea Beall
Gary S. Berkowitz
Elyse Bloom Greenfield
William W. Bongiorno
Bruce Brandolin
Adam Seth Brisman
Gregory Browne
Domenic M. Caluori
Robert and Antoinette Carter
Page W. Caufield
Man-Sing Cheung and Josephine Lomango-Cheung
Igor Chikunov
Sang-Choon Cho
Anthony R. Giancimino
Judith Cleary
Debra H. Cohn
Dominick M.
Congiusta and Angela M. De Bartolo
Hieu N. Dang
Toni DePena
Louis F. DeSantos
Lawrence Dinkes
William S. Dodson, Jr.
John Dolan
Adam Geoffrey Eisenberg
Elise Eisenberg