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ON THE COVER: The new Syngcuk Kim Endodontic Clinic opened for patient care on January 7, 2013. Pictured in the clinic with Dr. Syngcuk Kim, Louis I. Grossman Professor, Department of Endodontics (center), is (left to right) Dr. Yi-Tai Jou (D’99), Director, Predoctoral Endodontics; Dr. Frank Setzer (GD’06, GD’07, D’10), Clinic Instructor; and Dr. Bekir Karabucak (GD’97, D’02), Associate Professor of Endodontics and Director of the Postdoctoral Endodontics Program. The state-of-the-art facility was made possible through the support of many alumni and friends, see story, page 2.
ince the last issue of the *Penn Dental Journal*, there has been much to celebrate. December 31, 2012 marked the official close of the University’s *Making History: The Campaign for Penn* — the ambitious seven-year, University-wide campaign that surpassed its original $3.5 billion goal to raise an unprecedented total of approximately $4.302 billion. Penn Dental Medicine had a $37 million goal as part of *Making History*, and we too exceeded our goal, reaching $37.9 million by the close of the Campaign (see story, page 28). On behalf of our current and future students, faculty, and staff, I thank all of our supporters for your commitment to this great institution.

Through overwhelming support from alumni, family, and friends, the Campaign built resources for facilities renovations, student scholarships, faculty, research, and the annual fund and endowment. Most recent among the projects this Campaign made possible was the completion of the state-of-the-art Syngcuk Kim Endodontic Clinic (see story, page 2), which opened for patient care in January. We celebrated the opening of this facility, the alumni and friends support that made it possible, and the many contributions of Dr. Kim to the School and the field of endodontics with a special dedication event on March 1 (see photos, page 30). This clinic was the first key project in a 10-year Master Plan for facilities improvement. Building on this momentum, feasibility plans are now progressing for the next project — the transformation of the Evans Lower Concourse (ELC). The key aspects of this project will be: a) an infrastructure renovation; b) a state-of-the-art Preclinical Lab and Continuing Education Training Center and; c) a new general restorative clinic, comparable in size to the Main Clinic (see story, page 7).

In other areas, we are pleased to welcome Madeline Monaco, PhD, MS, MEd, Senior Director of Global Scientific and Professional Affairs with Johnson & Johnson Consumer and Personal Products Worldwide, to our Board of Overseers (see story, page 20). Industry has to play a vital ‘reality check’ role in Penn Dental Medicine’s three-fold mission of education, research and clinical service: Madeline joins other Board members in adding an invaluable perspective as we work to expand both the scope and scale of the School’s corporate partnerships. We are also building our continuing education programs with new vision and new resources (see story, page 16). We continue to strengthen our research enterprise through faculty recruitment, by appointing recently a highly respected researcher Henry Daniell, PhD, as Professor in the departments of Biochemistry and Pathology (see story, page 20).

Finally, I want to congratulate the Class of 2013 as you move on to the next phase of your dental careers and welcome back alumni as you return for Alumni Weekend 2013, May 10-12. Together with the entire Penn Dental Medicine community, we have much to celebrate. With shared commitment, we continue to shape the future of dental education and care, building support for our students, enhancing our facilities, and strengthening our faculty and research to better serve everyone.

Denis F. Kinane, BDS, PhD
Morton Amsterdam Dean
SYNGCUK KIM ENDODONTIC CLINIC: A HIGH-TECH SETTING FOR EDUCATION, RESEARCH & PATIENT CARE
Penn Dental Medicine opened the doors of its new Syngcuk Kim Endodontic Clinic on January 7, 2013, and with it, opened the doors to one of the most high-tech clinical settings for endodontic instruction and patient care. While excellence in endodontics has long been synonymous with Penn Dental Medicine, now the School has a clinic environment that reflects the leading-edge instruction, research, and clinical care that are the hallmarks of the Penn program.

“It is truly the best of the best in terms of the equipment,” says Dr. Syngcuk Kim, Louis I. Grossman Professor, who has led the Department of Endodontics for the past 21 years. “Seeing this clinic become a reality is tremendously rewarding for all it brings to the School. It gives our students and faculty the best environment for learning and teaching, provides the opportunity for first-rate clinical research, offers a wonderful venue for continuing education, and enables us to provide excellent patient care to the community.”

Above: Dr. Syngcuk Kim, Louis I. Grossman Professor (center), in the Syngcuk Kim Endodontic Clinic with (left to right) Dr. Samuel Kratchman, GD’91, Clinical Associate Professor of Endodontics; Dr. Yi-Tai Jou, D’99, Director, Predoctoral Endodontics; Dr. Frank Setzer, GD’06, GD’07, D’10, Clinic Instructor; Dr. Bekir Karabucak, GD’07, D’02, Associate Professor of Endodontics and Director, Postdoctoral Endodontics Program; and Dr. Meetu Kohli, D’02, GD’05, Clinical Assistant Professor of Endodontics.
BUILT WITH NEW VISION, INSPIRED ALUMNI

The state-of-the-art facility is the first project of the School’s 10-year master plan for facilities improvements, a strategic plan for building and renovating key clinical, research, and teaching spaces to advance the School’s mission and ensure it can continue to attract top students and faculty. While this clinic is a vital part of this vision for the future, making it a reality drew on strong ties from the past as well, with alumni coming together in great numbers to support the project. Alumni and friends contributed more than $2 million to fund the renovation, which recognizes Dr. Kim’s contributions to the Department and the field of endodontics as a whole with the naming of the clinic in his honor. A special dedication event was held on March 1, 2013 to celebrate the new space and alumni support (see photos, page 30).

“Our education at Penn Dental has given us so much; it is only appropriate that we give back, and recognize Dr. Kim, who has been such a great mentor,” says Dr. Samuel Kratchman (GD’91), Clinical Associate Professor of Endodontics at Penn Dental Medicine, who along with his fellow endodontic alumni — Drs. Jung Lim (GD’04) and Brian Lee (D’00, GD’04) — led fundraising efforts for the clinic renovation among the Penn Endo Graduate Alumni Group. “I am very humbled by the naming of this clinic in my honor and the tremendous alumni support at all levels that has made it possible,” adds Dr. Kim.

MODERN MEETS CLASSIC

The new space combines bright, modern design within the classic architectural elements of the historic Thomas Evans Building, with the original 10-foot windows revealed on both the north and south sides of the clinic, flooding the space in natural light. The Philadelphia-based architectural firm of Buell Kratzer Powell designed the clinic, which remains in its previously existing location on the second floor of the Evans Building, but gained square footage by expansion into an adjoining area on the east end of the clinic.

The clinic features a total of 23 chairs and is designed on three levels. The entrance level includes the patient reception and waiting area, a surgical suite, a handicapped-accessible operatory, a cone beam CT radiography suite, and an instrument dispensing room. Five steps lead up from that level to the main clinic space; divided by a central corridor that incorporates a supply area, it features a wing of eight operatories on one side (designated for first-year residents) and a wing of eight on the other (designated for second-year residents). Steps on the east end of the clinic lead up to the third level — the new space gained in the renovation. It features the main surgical suite, four operatories for predoctoral students, a consultation/meeting area, and preclinical work stations for participants in the Department’s continuing education program for international clinicians, which is a three-month program designed for general dentists practicing in other countries.

Each operatory features a surgical microscope, a digital x-ray unit, a chair-side computer for accessing patient records, and an elevated monitor for viewing clinical care as it occurs. The chairs are also specially designed with endodontic ultrasonic and endodontic electric motors built into the instrument panel. Designed in three levels, the entrance level includes the patient reception and waiting area, a surgical suite, and a handicapped-accessible operatory.
OUTFITTED WITH LEADING-EDGE TECHNOLOGY

Over the past two decades, the field of endodontics has been transformed by the illumination and magnification of the operating microscope and the accompanying high-tech instruments, and Penn Dental Medicine has been at the forefront of that movement, establishing itself as the leader in the integration of the operating microscope into endodontic education and practice. The high-tech equipment of the new clinic takes the Department to a new level of leadership.

Through a partnership with Carl Zeiss Meditec, the clinic is outfitted with ZEISS OPMI® Pico surgical microscopes in its 21 operatories and has OPMI® PROergo surgical microscopes in its two surgical suites. “This is the latest generation of microscopes with the best configuration of features in terms of flexibility and illumination,” notes Dr. Kim. “Using a microscope in dentistry is different from other types of surgery. In dentistry, the patient is awake and can move, and we need to follow that movement. It involves tremendous flexibility in the microscope and our microscopes are perfectly equipped for that.”

“We also have gained a great ability to document cases for research and education,” adds Dr. Bekir Karabucak, Associate Professor of Endodontics and Director of the Postdoctoral Endodontics Program, explaining that each of the microscopes includes a high-definition camera for still image capture and video recording or streaming.

The clinics high-tech equipment goes beyond the microscopes as well. The chairs are specially designed with the incorporation of endodontic ultrasonic and endodontic electric motors into the instrument panel. Each operatory also includes its own Carestream digital x-ray unit, seamlessly integrated with the School’s electronic patient records, along with a chair-side computer for accessing patient records and a second elevated monitor for viewing clinical care as it occurs. Along with Zeiss, other corporate sponsors that provided much of the state-of-the-art equipment for the clinic are B&L Biotech, Brasseler, and Carestream.

“Having all this equipment at each unit makes for more efficient care, which benefits the patients as well as the students,” says Dr. Frank Setzer, Clinic Instructor. The fully equipped operatories also benefit students in terms of the cost of their postdoctoral education. “A number of programs require students to purchase their own microscopes and endodontic motors,” explains Dr. Kim, “providing them as part of our clinic, eliminates that expense from our residents’ educational budgets.”

Rounding out the high-tech equipment within the clinic is a cone beam CT radiography unit. “Having a cone beam unit within the clinic gives our residents direct hands-on exposure to taking these scans and learning how to interpret them with the help of radiology,” says Dr. Karabucak. “While we only use these 3D scans for special cases, seeing the anatomy and pathology before doing these procedures is a vital tool that is now readily available.”

Dr. Samuel Kratchman (GD’91) in the Zeiss Microsurgical Suite — it and the Dr. Gabriele Edoardo Pecora Microsurgical Suite are specially equipped for streaming live surgical case demonstrations. All surgical microscopes in the clinic are outfitted for capturing high-resolution photos and video.
ADVANCING CONTINUING EDUCATION

Along with enhancing the educational experience for the residents in the School’s endodontic program and the pre-doctoral students who rotate through the clinic, this new facility will also advance the School’s continuing education efforts for courses held at Penn Dental Medicine as well as at venues around the country and world.

The two surgical suites — the Zeiss Microsurgical Suite and the Dr. Gabriele Edoardo Pecora Microsurgical Suite — are specially equipped for streaming live surgical case demonstrations to outside sites, such as national meetings or international symposia, as well as to monitors within the clinic itself or Penn Dental Medicine classrooms.

“The consultation area in the east wing of the clinic has a monitor so students or participants here as part of our international program can sit in that area and observe and discuss cases as they occur in one of the surgical suites,” notes Dr. Karabucak. “It is another way this technology can add to our teaching resources.”

The new clinic will boost the Department of Endodontics’ Microscope Training Center courses as well. Since 1993, the Department has opened its doors to current practitioners looking to build their skills with the operating microscope and the latest instrumentation through its Microscope Training Center. Faculty members and postdoctoral residents provide intensive two- and three-day seminars and one-on-one hands-on training in microendodontics, advanced microendodontics, and microsurgery. With the 16 operatories in the main clinic area equally outfitted with microscopes and monitors, there can now be 16 participants for this one-on-one instruction. “There needs to be a monitor and microscope for each participant, so we can observe their work and watch that they are doing it correctly,” explains Dr. Setzer. “The new clinic doubles the number we could accommodate previously in these hands-on courses.”

From continuing education to clinical instruction and patient care, the benefits of this new clinic are many indeed and extend beyond the present. “It’s an inspiring space,” observes Dr. Kim. “We have great students and great faculty, and now a great clinic that will allow us to do even more.”

—Beth Adams
NEXT STEPS: FACILITIES MASTER PLAN MOVING FORWARD

With the Syngcuk Kim Endodontic Clinic complete, sights are set on the next priority within the School’s 10-year master plan for facilities improvements — the lower concourse of the Thomas Evans Building.

Plans for the Evans Lower Concourse call for a major transformation of this 34,000-square-foot space, where along with an infrastructure renovation, the featured projects include a new Preclinical Lab and Continuing Education Training Center, replacing the General Restorative Dentistry Lab, and a new general restorative clinic, replacing the Myers and Paletz clinics. When the master plan was originally completed, the Preclinical Lab and Continuing Education Training Center was slated for the third floor of the Evans Building; subsequently, unforeseen challenges with that location prompted a change of plans. Now, the current General Restorative Dentistry Lab will undergo a complete overhaul to become the new Preclinical Lab and Continuing Education Training Center — a high-tech environment for preclinical instruction and hands-on continuing education courses.

The Preclinical Lab and Continuing Education Training Center will feature fixed benches with ample space for table-top projects and retractable simulation units fully outfitted with dental equipment and designed to replicate the spatial dynamics of a clinical setting to reinforce correct positioning and posture. Each space will also have a dental light and computer monitor for instructional videos and streaming of live demonstrations. This new space and its technology will also be used for hands-on continuing education programs, where presenters can stream live demonstrations.

The Lower Concourse Clinic will provide an estimated 70 dental operatories within a single space that is the same footprint as the School’s Main Clinic two floors above. The entrance will be on the north side, allowing for a patient waiting area directly accessible from the lower level corridor and elevators in the Robert Schattner Center. The waiting area will also be bathed in natural light from an existing wall of windows that offer a view of the rock garden within the Robert Schattner Center courtyard and Fonseca Gardens.

Currently, plans are progressing with a feasibility study for the Evans Lower Concourse underway. Using the original master plan as a starting point, the study is re-evaluating the program and performing a strategic analysis of the mechanical, electrical, and plumbing systems and an assets and structural assessment review to determine construction costs and a programming- and design-phase schedule for moving forward. Be a part of shaping the future of care at Penn Dental Medicine. Contact Maren Gaughan, Associate Dean for Development and Alumni Relations, at 215-898-8951 for more information on the Evans Lower Concourse projects.
Even before she arrived at Penn Dental Medicine as a first-year student, Lauren Katzel (D’12), a Ukiah, Calif., native and graduate of University of California at Santa Barbara, knew that she wanted to focus on the public health aspect of dentistry. “I always pictured myself working with underserved communities,” she says. “Not everyone has access to good dental care, and I wanted to help change that.”

In her first year at Penn Dental Medicine, she seized the opportunities available, volunteering at a clinic in South Philadelphia with a primarily Spanish-speaking population, a position she would maintain for all four years. During the summer, she participated in Bridging the Gaps, an interdisciplinary summer internship program focusing on community health. In 2008, when she heard about a new dual-degree program being offered in conjunction with Penn’s Master of Public Health program (MPH) in the Perelman School of Medicine, it sounded perfect, and she became the first Penn Dental Medicine student to graduate with both dental and public health degrees.

A Well-Rounded Combination: The MPH curriculum allowed Lauren to combine her primary passions. “I was able to learn not just the clinical aspects of dentistry, but also to go deeper into public health areas like epidemiology and biostatistics,” she says. “I received an unusually well-rounded dental education as a result.”

Though the content of the dual-degree program was just what Lauren was looking for, the workload was not without its challenges. “Tackling two graduate programs at one time was tricky, especially in terms of time management,” she says. She credits Dr. Joan Gluch, Director of Community Oral Health and Associate Dean for Academic Policies, and Dr. Robert Collins (D’71), Clinical Professor of Community Oral Health, with helping her plan and schedule so that her transition was a success, and with providing support throughout her four years.

A Valuable Research Opportunity: As her senior year approached and she began to plan for the capstone project required for the MPH program, Lauren stumbled upon another seemingly perfect fit: a research opportunity with Rosie Frasso, PhD, CHP, Director of Education for the MPH program. Dr. Frasso was collaborating with principal investigator Jennifer Culhane, PhD, at the Children’s Hospital of Philadelphia on the Philadelphia Collaborative Preterm Prevention Project (PCPPP), a large-scale study of women at high-risk for preterm birth, and invited Lauren to join the team. “I was thrilled to be given an opportunity to analyze data from a large-scale, community-based, randomized controlled trial,” an ideal subject for her capstone project, Lauren remembers.
The CCPPP, a collaboration among 12 major hospitals in Philadelphia, recruited and followed more than 1,000 women for two years. All of the subjects had a history of preterm birth, defined as less than 35 weeks of gestation. The research team was examining systemic inflammation as a cause of preterm birth, and had determined that the risk factors for systemic inflammation were stress, depression, being over- or under-weight, smoking, and infection, such as periodontal disease.

More than half of the subjects had been given a periodontal exam as part of the study. How many of them had periodontal disease, and what other risk factors were present? Lauren’s job was to sift through the records of 765 women to find the answers. As she methodically examined the data, a profile began to take shape: 56% of the high-risk women she studied had periodontal disease. Those identified with periodontal disease, compared with those not identified with periodontal disease, were more likely to be African American, older, of lower income, overweight or under-weight, and were heavier smokers.

Lauren’s results informed the growing body of research findings addressing the relationship between oral health and preterm birth, and for the first time established the prevalence of periodontal disease for a large sample of women at extremely high risk for preterm delivery. (Miguel Padilla Hernandez, D’13, a dental student currently earning a dual degree in dental medicine and public health, will continue to work on the PCPPP using the same data set and collaborating with Dr. Culhane’s team on his own capstone project, which he hopes will shed further light on the issue.)

PRESENTING HER FINDINGS: Lauren presented her capstone project — the final requirement of her MPH — to fellow students and faculty in December 2012. With Dr. Frasso and other team members, this recent alumna is now completing a paper titled “Periodontal Disease Prevalence and Risk Factors in Women with a History of Early Preterm Birth,” which she hopes will be published later this year. She believes her findings may be applied in the future to identify high-risk women and intervene in their prenatal care, thereby lowering preterm birth rates.

Lauren could not be more satisfied with her choice of degree or with the research experience that came with it. “Research is such a big part of dentistry, and understanding public health is such a big part of research,” she says. “Knowing how to apply evidence-based reasoning will help me throughout my dental career.”
UNDERSTANDING HOW THINGS WORK has always been a priority for Haim Tawil (D’14), who grew up in Long Branch, N.J., and studied Biomedical Engineering at Rutgers University as an undergraduate. “I’m fascinated by how structure meets functionality,” says the Penn Dental Medicine junior. Originally considering medicine, he took an engineering class at Rutgers taught by a materials scientist who discussed the elements of tooth structure, and realized the two fields — dentistry and engineering — could be merged. He also liked the pioneering spirit associated with dental discoveries: “A lot of things in medicine were originally tested in dentistry. Dentistry is like the Wild West of biomaterials,” he says.

As a freshman at Penn Dental Medicine, he heard Dr. Uri Hangorsky, Associate Dean for Academic Affairs, describe the dual-degree program in Bioengineering available to dental students in conjunction with Penn’s School of Engineering and Applied Science. The program was slated to become available to students starting with the class of 2015, but Haim expressed so much enthusiasm that Dr. Hangorsky made the program available a year earlier. Once he worked out his schedule (the Bioengineering degree requires ten courses, two of which — biochemistry and anatomy — also count toward his dental degree), Haim found he loved the learning experience of combining classes in both subjects: “Engineering is all about problem solving,” he says. “It’s a great way to balance the clinical aspect of dentistry.” Through his studies, he has discovered a range of interesting ways that engineering can be applied to dentistry, including instrumentation, imaging, tissue engineering, and material science.

HANDS-ON, INDEPENDENT RESEARCH: Haim had a chance to put some of his newfound learning to the test after his first year, when he was chosen by Dr. Francis Mante, Associate Professor, Division of Restorative Dentistry and Director of Biomaterials, to pursue an independent research project over the summer. (Although there is no research project required for the Master’s in Bioengineering, the project earned him an independent research credit.) He collaborated with Dr. Mante in a study on surface changes in titanium implants, titled “Use of Electrochemical Spark Anodization on Titanium Surfaces to Increase Chondrocyte Adhesion and Proliferation.”

Haim believes his research could have critical implications for many joint replacement surgeries, including the temporomandibular joint. Currently, titanium is used for medical implantation throughout the body. Although it has long been used for bony implants, it has not been successful in implants involving cartilage cells, such as joint replacements. Discovering a surface modification technique for titanium that would allow a single titanium implant to be compatible with both bone and cartilage cells would greatly improve the structural performance of any rehabilitated joint, says Haim. Using a process called electrochemical anodization, Haim and Dr. Mante experimented with altering the metal by creating pores on its surface, then testing its biocompatibility with bone and cartilage cells.
CONTINUING TO EXPLORE: Haim’s experience in the laboratory ultimately shaped the curriculum of his dual-degree program: when the project was complete, he found that he wanted to explore related topics further, and ended up selecting engineering classes in biomaterials and environmental degradation, which in turn, have shaped his outlook on what he’d like to do in the future. While the research project was an illuminating experience for Haim, research is only one aspect of the career he envisions for himself after finishing dental school. He plans to do it all — work as a dentist, collaborate with a dental supply or other dental-related industry, and maybe even teach a biomaterials course or two in a program similar to the one he is enrolled in now. By pursuing multiple roles within dentistry and engineering, he will continue his exploration of structure, functionality, and balance.

AS A LITTLE GIRL, Rayna Strong (D’13) loved going to the dentist. “It was always a positive experience,” she remembers. “I always felt good about myself when I went there. I decided early that I would be a dentist and help make other people feel good about themselves.”

It was not until she attended Wheaton College in Illinois, however, that she knew what kind of dentist she wanted to be. Wheaton, a Christian liberal arts school, stressed critical, ethical, and theological analysis of just about every subject, and as a predental major, Rayna understood that this way of looking at the world would figure heavily into her future practice of dentistry. In particular, she wanted to serve underserved populations, bringing dental care to those who need it most.

INSPIRED BY A MENTOR: Her convictions, and her desire to attend Penn Dental Medicine, were cemented by an internship at Oregon Health Sciences University in her hometown of Portland, where she worked closely with Dr. David Rosenstein, the founder of one of Portland’s first community dental clinics, who encouraged her to look at Penn Dental Medicine’s program. Dr. Rosenstein spoke enthusiastically about School and all that it had to offer: “He basically told me that Penn was where I wanted to be,” she remembers.
Rayna was accepted, and, in her freshman year, learned about a dual-degree option in Bioethics, offered in conjunction with the Perelman School of Medicine, that required just five additional courses and would support and nurture her holistic view of dentistry. Focusing on the ethical examination of topics like health care rationing and cultural competency, “it allowed me to continue to think critically, and to analyze things on moral and ethical grounds, while pursuing the clinical study of dentistry,” she says.

PROFESSIONAL ETHICS: Preparing to graduate this spring, Rayna is completing the final project required for the Master’s in Bioethics: a paper with the working title “Reprioritizing Social Justice in Dentistry and Dental Education.” In her paper, she examines the definition of professionalism as it is taught in dental schools across the country.

“What does it mean to be a professional?” she asks. “As professionals in health care, do we all have an obligation to reduce disparities and serve the underserved? We know that everyone needs dental care. What keeps us from acting on that knowledge more often?” She questions the traditional values of dental education, believing that dental schools are often run more like businesses, with more focus on the market environment than on service. She feels that of all the health care professions, dentistry is one of the more conservative and resistant to change.

Change is what she seeks: “I hope that my paper will encourage dentists, and dental schools, to look critically at themselves, and to look beyond the status quo,” she says, adding that she would like to see her fellow dentists continually striving for true excellence in all aspects of practice. In addition to researching the opinions of industry leaders, her paper will include the results of interviews with student and faculty members at Penn Dental Medicine.

PUTTING IDEAS TO WORK: Rayna, who received a scholarship for dental school from the National Health Service Corps, will have a chance to put her words into action. To repay her scholarship, she will work for the next four years in an underserved area in rural Mississippi where the need is great. There, she will continue to promote the concepts that have shaped her education and her outlook: social justice, ethical thinking, and excellence. PDJ

—Juliana Delany
Although more people are keeping their teeth longer, the need for removable prosthodontic care continues to increase as people are living extended, more active lives and access to dental care is anticipated to decline. Despite seeking dental care more frequently, by age 50, Americans have lost an average of 12.1 teeth. According to the World Health Organization, people with fewer than 20 of their own or replacement teeth may be considered disabled because they are unable to eat and speak effectively.

Restorative diagnosis and treatment is becoming more challenging as active individuals of all ages seek dental care with more complex medical problems. Aging patients are taking multiple medications, many of which cause xerostomia, with resultant increases in complex caries (especially on the roots). The compromised condition of the remaining dentition complicates our ability to restore the partially dentulous patient.

As we are striving to provide more economical, longer lasting care in fewer visits, advances in dental materials and technology are giving us more diverse and sophisticated treatment alternatives. Basic concepts of contemporary dental rehabilitation founded upon classic removable prosthodontic theories and sound biomechanical principles should be considered as we select the best treatment for our patients.

Classic paradigms of care are challenged daily. For example, a flexible denture base material that does not provide rigidity of the major and minor connectors and clasp assemblies compromises support and stability of the restoration. Use of metallic restorations on principle abutment teeth may be discouraged due to fears of amalgam or costs of metal alloys. Before selecting alternative techniques or materials such as tooth colored composites or ceramics to support removable prostheses, we should carefully weigh the advantages and disadvantages.

As we adopt “modern” expedited techniques, such as the one-visit final impression, we need to acknowledge their benefits and limitations. Our diagnostic skills must be outstanding as the lack of a primary cast restricts our diagnostic evaluation of the complex edentulous patient. Efficiency should improve — not jeopardize — the quality of care.

New technology is often beyond the resources of patients most in need. The placement of implants, often guided by sophisticated imaging is becoming the standard of care to replace missing teeth. Ironically, the indigent living near or below the poverty level, are most likely to lose teeth and least able to afford replacements. Conventional removable prostheses are frequently the most practical solution for many.

The challenge of selecting the most appropriate care for the diverse and growing edentulous population is becoming more complex, as the selection of materials and treatment alternatives for each patient increases. The choice of techniques and materials should be based upon sound biomechanical principles and substantiated by laboratory and clinical evidence, as well as patient needs, desires, health, and finances.

2. National Institute of Dental and Craniofacial Research; A Plan to Eliminate Health Disparities, Revised, February 2002
4. National Health and Nutrition Examination Survey (NHANES) III
8. Oral Health-Healthy People 2010: Objectives for Improving Health; 2010, Volume II, Section 21
Penn Dental Medicine Awarded $1.5 Million Grant for Student Scholarships

Penn Dental Medicine student scholarship resources got a boost this past fall with the award of a $1.5 million grant from the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services. Designed to support student diversity and increase access for underrepresented minorities, the grant will allow Penn Dental Medicine to provide financial aid for four years to 22 students this year and 26 new and continuing students each of the three remaining years. The School was one of just three dental programs in the country to receive the HRSA award this year.

Penn Dental Medicine has received and distributed more than $1.9 million in HRSA scholarship grants in the past seven years. This year’s award, however, is the first time HRSA has committed to funding multiple years of scholarships at one time, giving continuity and reassurance to the students who receive them.

“We’re so fortunate to receive these scholarship funds in order to attract and retain talented students from across the country,” said Dr. Joan Gluch, Penn Dental Medicine’s Associate Dean for Academic Policies, Director of Community Oral Health and Project Director of the grant. “With these awards, we will be able to broaden access for students who would otherwise have been unable to attend Penn Dental Medicine.”

This academic year, Penn Dental Medicine received $330,000, divided among eligible students for scholarships of $15,000 each; the School will then receive $390,000 each of the following three years, providing eligible students with $15,000 in aid every year, pending federal budget re-authorization.

“The students who can benefit from this award appreciate the challenges faced in underserved populations when it comes to health care and are motivated to improve these circumstances,” said Dr. Beverley Crawford, Penn Dental Medicine’s Director of Diversity Affairs and co-investigator on the grant along with Susan Schwartz, the School’s Assistant Dean for Student Affairs. “They are also more likely to choose to practice in an underserved area after graduation. The presence of these students at Penn Dental Medicine and the sharing of their experiences can only enhance the learning environment and provide their peers with a clearer understanding of our vulnerable populations.”

This award is given as part of HRSA’s Scholarships for Disadvantaged Students program, which provides funding to accredited schools offering degrees in the health professions and nursing programs. Participating schools then, in turn, can offer scholarships to full-time students from low-income and disadvantaged backgrounds over their tenure in school.
Penn Dental Medicine Collaborates in New Center of Excellence in Pain Education

According to the American Academy on Pain Management, an estimated 75 million Americans live with chronic or acute pain. Yet, pain treatment is not taught extensively in many health professional schools, and clinical approaches to pain management can be inconsistent. Penn Dental Medicine is working to help change that situation.

To better prepare medical professionals to properly diagnose and effectively treat acute and chronic pain, Penn Dental Medicine is collaborating with Penn’s School of Nursing and Perelman School of Medicine, to help create national training protocols in pain management.

Penn Dental Medicine is collaborating with Penn’s School of Nursing and Perelman School of Medicine, to help create national training protocols in pain management.

“We envision creating avatar or first-person player simulations about pain care,” says Dr. Hersh. “These would follow similar structures of currently popular video games with a goal of maintaining patient health with a tolerable level of pain.”

Additional programs of study in development include a case-based learning module on sickle cell disease and pain, and another on postoperative pain, both of which are now under review by the NIH. “We expect students enrolled in next year’s class to access those programs as part of their curriculum,” says Dr. Hersh. A third module on chronic orofacial pain is currently under development with major input from Dr. Hersh as well as Dr. Andres Pinto, Associate Professor of Oral Medicine, and Dr. Thomas Sollecito, Professor and Chair of Oral Medicine, from Penn Dental Medicine.

The Center of Excellence in Pain Education at Penn is one of only 12 Centers in the country. These Centers were selected by the NIH Pain Consortium after a contract solicitation process and review. The National Institute on Drug Abuse is coordinating the project.

“Developing learning scenario cases and incorporating evidence-based medicine approaches is one of the goals of the Center, as well as developing video simulations to meet the need for contemporary educational tools.”

“The course culminated in students participating in two simulations,” says Dr. Hersh. “One simulation was role playing patient-care scenarios, and another was discussing and supporting or refuting some published evidence-based guidelines for treating various pain syndromes.”

The annual Goldin Seminar series is made possible through an endowed fund established by Penn Dental Medicine alumnus Dr. Marshall Goldin (C’60, D’64) and his wife, Harriet Goldin (CW’62). Dr. Emanuel, right, pictured with Dr. Denis Kinane, Morton Amsterdam Dean of Penn Dental Medicine.

The Goldin Seminar for Life Skills

Dr. Ezekiel Emanuel was the guest speaker at Penn Dental Medicine on February 2, 2013, for this year’s Goldin Seminar for Life Skills lecture, titled “Healthcare at a Crossroad,” speaking on health care reform.

Dr. Emanuel, who is the University’s 13th Penn Integrates Knowledge Professor, the Diane v.S. Levy and Robert M. Levy University Professor, and the Vice Provost for Global Initiatives, was special advisor for health policy to President Obama from January 2009 to January 2011 and one of the principal architects of the Affordable Care Act.

Here at Penn, Dr. Emanuel is also chair of the Department of Medical Ethics and Health Policy in the Perelman School of Medicine. His appointment is shared between the Perelman School of Medicine and the Department of Health Care Management in the Wharton School.

Penn Dental Medicine Collaborates in New Center of Excellence in Pain Education

Penn Dental Medicine Collaborates in New Center of Excellence in Pain Education
Continuing Education Programs Growing with New Direction, New Resources

Penn Dental Medicine’s continuing education initiatives are building and growing through new vision and new resources. This past fall, Dr. Syngcuk Kim, Louis I. Grossman Professor, Department of Endodontics, took on a new leadership post, adding oversight of the School’s continuing education efforts to his role as Associate Dean for Global Affairs and Continuing Education. And in December 2012, the School received a major gift from Arrail Dental Group, China, to help advance the School’s future development of continuing education programs here and around the world (see related story, page 28).

The reimagining of the School’s continuing education program first began with the Dean’s Council, an advisory board formed in 2010 to support targeted issues for growth and development within the School. The School’s continuing education efforts was the Council’s first charge and through surveys of alumni and stakeholders in business and industry as well as a review of other programs, the Council has helped to define the direction for the School’s continuing education.

“Our goal is to provide lifelong learning opportunities in support of the University’s mission of local, national, and international engagement, taking advantage of our preeminent faculty to provide innovative academic and practical courses,” said Dean’s Council Chair Dr. Martin Levin (D’72, GD’74) at the time the Council undertook its continuing education review.

With his appointment, Dr. Kim has been building on those themes, stressing that the strength and depth of the School’s faculty as well as the many accomplished Penn Dental Medicine alumni practicing worldwide are key resources for successful program development. “Over the past three years, we have drawn on alumni from around the world as well as our faculty to present the Penn Endodontic Global Symposia,”
The Penn Endo Global Symposium, held February 16-18, 2013, in Mumbai, India, was the seventh endodontics symposium held since 2010, pictured are some of the attendees and presenters. Penn Dental Medicine faculty and alumni present the symposia, which are among the School’s growing continuing education efforts.

says Dr. Kim, “that model has been a great success and we plan to continue to build on it for future programs.” Since 2010, there have been Endodontic Global Symposia in Taiwan, South Korea, Germany, Poland, Japan, Brazil, and India. The next one is planned for Beijing, China, in June in cooperation with the Arrail Dental Group, and through the support from Arrail Dental, future plans calls for a symposia each year in Beijing on different clinical areas.

While such international programs will be a major focus of the School’s growing continuing education program, current plans are for at least one major multi-day symposium at Penn each year along with a number of single-day, special topic courses. Looking to the future, a key component in expanding the continuing education offerings at the School will be the completion of one of the next major projects in the School’s 10-year Master Plan for facilities improvements — the Preclinical Lab and Continuing Education Training Center (see related story, page 7) — which will feature new space and technology for hands-on continuing education programs. Those upcoming continuing education programs currently scheduled include:

- **Global Penn Endo Symposium, Beijing, China, June 7-9, 2013** — An overview of key topics in modern endodontic practice, presented by Penn Dental Medicine faculty and alumni.

- **The 5th International Congress on Adhesive Dentistry, June 14-15, 2013** — Penn Dental Medicine will host this forum for clinicians, researchers, and the dental industry from around the world to showcase the latest developments in adhesive dentistry.

- **Penn Periodontal Conference 2013, June 23-28, 2013** — A research focused, ‘Gordon Conference’-like program, featuring leading experts from the U.S. and internationally on the latest research on clinical, translational, and basic sciences in periodontology.

- **Bender, Seltzer & Grossman Academic Review of Endodontology, September 27-29, 2013** — An intensive review of the biologic foundations of Endodontology where world-renowned faculty will present the latest evidence-based information within their respective fields.

- **Bisphosphonate Osteonecrosis: An Update, October 5, 2013** — A multidisciplinary review of the research and clinical management of patients with osteonecrosis of the jaw, addressing how anti-resorptive drugs may interfere with immune function, wound healing, and bone repair.

A full schedule of additional courses is under development for fall 2013/spring 2014, including topics such as anesthesia, cone beam CT radiography, CAD/CAM technology, and pain science and practice. Visit www.dental.upenn/cde for more information and ongoing updates on the continuing education program schedule.

To coordinate and manage program planning and development of the growing continuing education initiatives, Pamela Rice joined the School’s Office of Continuing Education this past fall as Director of Continuing Education. She can be reached at 215-573-9098, or pamrice@dental.upenn.edu.
Penn Dental Medicine Part of Multicenter Study of Head, Neck Cancer Outcomes

Penn Dental Medicine has been awarded a $1.3 million grant over five years as part of a multicenter team to study dental and oral medicine-related outcomes of cancer patients receiving high-dose radiation to the head and neck. Funded by the National Institute of Dental and Craniofacial Research, it is part of an $8.15 million award to Carolinas HealthCare System, which will administer the grant.

The first-of-its-kind clinical study will unite five sites in collaborative investigation to systematically examine dental outcomes of over 750 patients. Data gathered during the five-year study is expected to help healthcare professionals better understand oral and dental complications experienced by these patients after radiation therapy and will influence the development of patient care protocols.

Each year, 40,000 Americans develop head and neck cancer, and many receive high-dose radiation therapy, often in combination with surgery and/or chemotherapy. These patients are at high risk for dental/oral disease requiring dental extractions. Both dental infections and extractions also increase the risk for bone infection and necrosis.

“Dental management protocols for these patients are currently based on expert opinion rather than research-based guidelines,” says Dr. Thomas P. Sollecito (D’89, GD’91), Chair and Professor of Oral Medicine and the investigator leading the study at Penn. “The results of this study will have tremendous impact on guiding the most effective dental and medical care for these patients before and after radiation.”

“Head and neck cancer is a terrible disease and more prevalent than many know,” says Dr. Sollecito. “Treatment can damage oral and maxillofacial tissues, which has a profound impact on the patients’ quality of life and may induce significant changes which persist throughout a patient’s life. This study will give us a better understanding of these changes, identify risk factors for disease, and improve our ability to deliver the best dental care for these patients.”

Both the interprofessional collaboration and the longitudinal design of the study make it a unique study which will have significant impact in the field. “The longitudinal design of the study allows us to follow patients over an extended period of time,” says Dr. Sollecito. “This, along with the opportunity to collaborate with the Department of Radiation Oncology in Penn’s Perelman School of Medicine, and in conjunction with the other four investigation sites, should produce valuable data that will influence patient care, education, and research.”

Patients will be enrolled at Carolinas Medical Center, Penn Dental Medicine/Perelman School of Medicine, University of Connecticut Health Center, Harvard University/Dana Farber Cancer Center, and New York University. The University of Minnesota will serve as the data coordinating center for this study.
New Collaborations across Disciplines
The Joseph and Josephine Rabinowitz Award for Excellence in Research is supporting new collaborations across disciplines, presented this year to two Penn Dental Medicine faculty members who will be working on projects with colleagues from other Penn schools. The awards were presented at a reception at Penn Dental Medicine on January 24, 2013.

This year’s recipients are Dr. Hydar Ali, Professor, Department of Pathology, and Dr. Ricardo Walter, Assistant Professor of Restorative Dentistry, selected for their projects “Cross-Regulation of G Protein Coupled Receptor Signaling in Human Mast Cells” and “Development of a Novel Bisphenol A-Free Composite Resin Restorative Material,” respectively.

C3aR Signaling
“Our project focuses on a new aspect of C3aR biology and utilizes a relatively new technique to determine how it interacts with other cell surface proteins to induce signaling,” says Dr. Ali, who is collaborating with Emer Maria Smyth, PhD, Research Associate Professor of Pharmacology with Penn’s Institute for Translational Medicine and Therapeutics.

Their proposal looks at G protein coupled receptors (GPCR) for the complement component C3a (C3aR), which play an important role in asthma and its exacerbation by respiratory viruses. Until now, he notes, the main focus of research has been to determine how C3aR phosphorylation and the subsequent recruitment of adapter molecules regulate receptor function in human mast cells. However, he adds that the possibility that C3aR function may be cross-regulated by other seven transmembrane domain proteins has not been considered.

Bisphenol A-Free Composite Resin
Responding to recent concerns that have been raised regarding possible adverse effects from the elution of bisphenol A (BPA) from restorative materials, Dr. Walter and his collaborators — Virgil Percec, PhD, P. Roy Vagelos Professor of Chemistry, and Andrew E. Feiring, PhD, Adjunct Professor of Chemistry, both in Penn’s School of Arts & Sciences — are investigating a potential alternative to BPA in these materials. BPA is an endocrine disruptor that mimics estrogen and clinical studies have linked the presence of composite resin restorations with lower psychosocial functioning and an increase in urinary BPA concentration in children; initial recommendations have been made to minimize the use of such materials during pregnancy, explains Dr. Walter.

“Given the widespread use of dental composite resin restorations, finding a replacement monomer for the BPA-derived monomers used in dentistry is a pressing issue,” notes Dr. Walter, adding that a potential substitute of bisphenol A glycidyl methacrylate (bis-GMA), one of those BPA-derived monomers in dental formulations, is acrylamides made from plant-derived diols. “These may replace the bis-GMA with non-estrogen-like intermediates, which derive from renewable resources (cellulose),” he adds. “Our aim is to design and evaluate bis-acrylamides-based composite resins with physical and mechanical properties at least similar of those of current materials.”

The Rabinowitz Award was established in 2002 through the generosity of the late Dr. Joseph “Jose” Rabinowitz, an active member of the School’s Biochemistry faculty for 29 years, and his wife, Josephine. Dr. Rabinowitz joined Penn’s School of Medicine faculty in 1958 and moved to Penn Dental Medicine in 1963, where he served on the active faculty through 1992. Even after becoming Professor Emeritus, he continued to teach in the Biochemistry Department until his death in 2009. Dr. Rabinowitz was known for his research in lipid and steroid biochemistry, and made the seminal discovery that HMG CoA was a key intermediate in cholesterol biosynthesis. His research helped lead to the development of the important class of cholesterol-lowering drugs known as statins.

The Rabinowitzes endowed this award to promote independent research among Penn Dental Medicine faculty members. Recipients received $20,000 toward each of their projects.
Dr. Margit Maggio Selected for ADEA Leadership Institute

Dr. Margit Maggio (D’87), Assistant Professor of Restorative Dentistry, Director of Pre-clinical Dentistry and Director of Advanced Simulation, has been selected as a 2013-2014 American Dental Education Association (ADEA) Leadership Institute Fellow.

The ADEA Leadership Institute, which began in 2000, is a year-long program to develop the nation’s most promising dental educators to become leaders in dental and higher education. The Institute, unique to dental education, includes four phases throughout which Fellows undertake a variety of assignments designed to both guide and enhance their professional development. The Institute includes sessions in leadership theory, team building, communications, managing change, public policy, educational policy, legal issues, research, and budgeting and financial management. Fellows are faculty and administrators from allied, predoctoral, and postdoctoral dental education.

Dr. Maggio joins a group of the most promising dental educators and upon graduation will become one of only 285 members of the Institute. The 2013-2014 Fellows were oriented at the 2013 ADEA Annual Session & Exhibition, held March 16-19, 2013 in Seattle.

Madeline Monaco of Johnson & Johnson Appointed to Board of Overseers

Penn Dental Medicine announces the appointment of Madeline Monaco, PhD, MS, MEd to its Board of Overseers, approved by the University of Pennsylvania’s Board of Trustees for a three-year renewable term at their November 2012 meeting.

Dr. Monaco is Senior Director of Global Scientific and Professional Affairs with Johnson & Johnson Consumer and Personal Products Worldwide. In her role at Johnson & Johnson, she leads a global team in the development of business and scientific strategies, working with government and professional organizations, universities, and other research leaders to further the science behind consumer products and communicate that science around the world.

Prior to Johnson & Johnson, she held leadership, teaching, and research positions within Pennsylvania State University, the U. S. government, Cornell and Columbia Universities, and Kraft Foods Inc.

Dr. Monaco holds a doctorate in nutrition and health behavior from Columbia University, a Master of Science degree in biochemistry and nutritional biochemistry from Cornell University, a Master of Education degree from Columbia University, and a Bachelor of Science degree in biological sciences from the City University of New York.

“Madeline brings an impressive and unique perspective on research, public health, and the role of industry to support these. She will tremendously complement the existing talent on the Board,” says Dr. Denis Kinane, Morton Amsterdam Dean of Penn Dental Medicine. In her Board role, she is eager to help engage Johnson & Johnson in possible collaborations in research and public programs, already working with Penn Dental Medicine and Penn’s Leonard Davis Institute of Health Economics on developing a review of oral care public health strategies.

The Penn Dental Medicine Board of Overseers provides volunteer leadership to the School and acts as an advisory resource for the Dean and other administrative leaders, stewarding the missions of both Penn Dental Medicine and the University of Pennsylvania.

Henry Daniell, PhD, to Join Penn Dental Medicine

Adding to the depth of its research enterprise, Penn Dental Medicine announces the appointment of Henry Daniell, PhD, as Professor in the departments of Biochemistry and Pathology.

A highly respected researcher whose expertise spans multiple disciplines, Dr. Daniell’s lab focuses on the development of a novel concept to reduce the cost of prescription drugs. Dr. Daniell has developed a system to produce bio-pharmaceuticals in a protective coating so that they can be delivered by mouth without being destroyed by the stomach. This new platform reduces cost by eliminating prohibitively expensive fermentation, purification, cold storage/transportation and sterile injections currently used in the production and delivery of biopharmaceuticals. Some of his ongoing projects include the development of edible vaccines for polio, tuberculosis, malaria, cholera, and bio-terrorism agents (anthrax, plague, etc.).

As Director of Small Molecule Translation at Penn Dental Medicine, he will continue the vital work of creating and utilizing therapeutics for the benefit of all. Dr. Daniell uses his oral delivery
concept to address several autoimmune disorders, including type 1 diabetes or adverse immunological reactions in the treatment of hemophilia. He also uses therapeutic protein delivery to degrade plaques in advanced Alzheimer’s brains or regulate blood sugar levels in type 2 diabetes. His widely translational work, which has important applications to mucosal immunity—a topic of considerable importance in dental research—has led to the award of more than 50 patents.

“Dr. Daniell brings a passion for science and teaching that will significantly advance the educational and research missions of the School,” says Dr. Denis Kinane, Morton Amsterdam Dean of Penn Dental Medicine.

Dr. Daniell joined the University of Central Florida (UCF) in 1998 as Professor of Molecular Biology, and since 2002, he has been a Pegasus Professor, a prestigious UCF title that recognizes outstanding accomplishments in teaching, research, and service. In 2002, he also was named Chair of the UCF Board of Trustees, and since 2008, Dr. Daniell has been a Professor of Medicine at UCF. He was inducted as a foreign member of the Italian National Academy of Sciences as the 14th American; Ben Franklin was the first American honored in 1786. Dr. Daniell is also a Fellow of the American Association for the Advancement of Science. Among many awards, he was the recipient of the UCF Research Incentive Award for outstanding research contributions (2002–2012); the Bayer Hemophilia Award, Buenos Aires, one of five global awards for outstanding hemophilia research (2010); and the American Diabetes Association Award for outstanding contributions in diabetes research (2008). During his tenure at UCF, he also introduced the Professional Science Master’s program and B.S. in Biotechnology.

Throughout his career, Dr. Daniell has served on numerous panels within the US National Academy of Science; the NIH, National Institute of Allergy and Infectious Diseases; and the NIH, Center for Scientific Review. He leads an accomplished research program, supported by the NIH and the United States Department of Agriculture, as well as the Bill and Melinda Gates Foundation, the Juvenile Diabetes Research Foundation, and Bayer.

Dr. D. Walter Cohen (C’47, D’50) Receives 2013 William J. Gies Award

Dr. D. Walter Cohen (C’47, D’50), Dean Emeritus and Professor Emeritus, Department of Periodontics, at Penn Dental Medicine, was recognized for his outstanding achievements in and contributions to dental education with a 2013 William J. Gies Award. Presented by the ADEAGies Foundation, the philanthropic arm of the American Dental Education Association (ADEA), the Gies Awards honor individuals and organizations exemplifying dedication to the highest standards of vision, innovation, and achievement in dental education, research, and leadership. The awards are named after dental education pioneer William J. Gies, Ph.D.

Dr. Cohen received the Gies Award for Outstanding Achievement – Dental Educator. A highly respected teacher and clinician, Dr. Cohen first joined the Penn Dental Medicine faculty in 1951, and through his tenure at the School, he built a legacy of leadership in the field of periodontics, advancing to serve as professor and chairman of the Department of Periodontics and building the School’s postdoctoral periodontics program. At Penn Dental Medicine, he also served as Associate Dean for Academic Affairs from 1969 to 1972, and from 1972 to 1983, Dr. Cohen was at the helm as Dean of Penn Dental Medicine. “Walter has contributed so much to the fields of dental medicine, periodontology, and dental education that Penn Dental Medicine and dentistry in general are deeply indebted to him. He is truly deserving of this very appropriate special recognition,” says Dr. Denis Kinane, Morton Amsterdam Dean of Penn Dental Medicine.

From Penn Dental Medicine, Dr. Cohen went on to teach as a Clinical Professor of Dental Medicine at the Medical College of Pennsylvania, and became President of the Medical College of Pennsylvania in 1986, serving in that leadership role through 1993 (through mergers and acquisitions since 1993, the Medical College has become Drexel University College of Medicine). From 1993 through 1998, he was Chancellor of the Medical College, and currently serves as Chancellor Emeritus at Drexel University College of Medicine. Throughout his career, he also taught courses and lectured at many universities throughout the country and around the world.

The eight 2013 Gies Awards were presented March 18 at a celebration held in conjunction with the 2013 ADEA Annual Session & Exhibition, March 16-19, in Seattle. The 2013 honorees were selected by a panel of judges consisting of the ADEAGies Foundation Board of Trustees.
Dr. Paul Berson (GD’77) Receives 2012 ADA Golden Apple Award

Dr. Paul Berson (GD’77), Clinical Associate Professor of Restorative Dentistry at Penn Dental Medicine, was recognized for his excellence in teaching and mentorship with the 2012 American Dental Association (ADA) Golden Apple Award for Inspiring Careers in Dental Education.

This annual award recognizes an ADA member and/or a faculty member who is an outstanding mentor willing to share his/her knowledge to enhance the scholarly, professional, and personal development of students and/or junior faculty interested in academic careers. The recipient is nominated through letters of support from students, faculty, and administrators and selected by ADA’s Council on Dental Education and Licensure.

“The ADA gives this award to only one faculty member in the entire country. This not only speaks for the national stature of our faculty in general, but for the above-and-beyond dedication of Dr. Berson in specific,” says Dr. Markus Blatz, Chair and Professor of Preventive & Restorative Sciences. “This prestigious national award is based on student recommendations, and therefore, the greatest recognition for any educator. I congratulate Dr. Berson for this outstanding accomplishment. It is an inspiration as we strive for excellence in clinical dentistry and dental education.”

Dr. Berson first joined the Penn Dental Medicine faculty in 1974, serving as an Instructor and Lecturer from 1974 to 1977, as Assistant Professor of Form and Function of the Masticatory System and Restorative Dentistry from 1977 to 1981, and Clinical Assistant Professor of Restorative Dentistry from 1982 to 1990, and again, from 1999 to 2008. In 2008, he was named Clinical Associate Professor of Restorative Dentistry, and from 2005 through 2012. Dr. Berson was also a Primary Care Unit (PCU) Group Leader in the School’s general restorative clinic, serving as a close mentor to students and guiding other faculty in his PCU. Dr. Berson was recognized by Penn Dental Medicine and students for his teaching with the Earl Banks Hoyt Award for excellence in clinical teaching by a junior full-time faculty member in 1978, and again in 2008, with the L.T. Appleton Award for excellence in clinical teaching.

Dr. Berson was presented with the Apple Award for Inspiring Careers in Dental Education at a special ceremony as part of the School’s Department of Preventive & Restorative Sciences retreat, held November 17, 2012.

Student Named Academic Dental Careers Fellow

Payal Verma (D’14), a third-year Penn Dental Medicine student in the Program for Advanced Standing Students, has been selected as one of 10 fellows for the 2013 ADEAGies Foundation/AADR Academic Dental Careers Fellowship Program (ADCFP).

Established in 2006 with the goal of encouraging and preparing students to enter academic dentistry, the year-long ADCFP provides U.S. and Canadian dental students with training, mentorship, and hands-on experiences in research, teaching, and other aspects of academic careers in dental schools. Dr. Verma will be working with Dr. Andres Pinto (D’99, GD’01, GR’07, GR’12, M’12), Associate Professor of Oral Medicine and Division Chief of Community Oral Health at Penn Dental Medicine, as her faculty mentor.

“I am very honored to receive this fellowship, and I especially thank Dr. Pinto for his utmost support and encouragement,” says Dr. Verma. “I strongly believe that ADCFP will provide me the perfect platform to channel my clinical skills and experience in research toward fulfilling my aims and aspirations.”

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— PAYAL VERMA (D’14)

Fellows and mentors work closely throughout the year, starting with a training session for all participants at the 2013 ADEA Annual Session & Exhibition, which was held March 18-19, in Seattle, and concluding at the 2014 ADEA Annual Session & Exhibition where fellows will make a poster presentation on their ADCFP experience. Other program components include a
Dr. Eric T. Stoopler (D’99, GD’02)

Receives Lindback Teaching Award

Dr. Eric T. Stoopler (D’99, GD’02), Associate Professor of Oral Medicine, has been recognized for his excellence in teaching as a 2013 recipient of the University of Pennsylvania’s Christian R. and Mary F. Lindback Foundation Awards for Distinguished Teaching. Penn presents eight Lindback awards each year, divided evenly between health-related disciplines and all other departments and divisions. Award winners are determined by nominations and recommendations made by faculty and students.

Dr. Stoopler has been part of the School’s standing faculty since 2002, starting as Assistant Professor of Oral Medicine and promoted to Associate Professor of Oral Medicine in 2011. Since 2007, he has served as Director of the School’s Oral Medicine Residency Program, and, in addition, he currently directs the oral medicine externship program at the Hospital of the University of Pennsylvania (HUP) and he is on the medical staff at HUP, PENN Presbyterian Medical Center, and the Children’s Hospital of Philadelphia.

Dr. Stoopler’s many teaching roles at Penn Dental Medicine include course director for Principles of Medicine, the oral medicine core curriculum for Graduate Dental Education, the Vernon J. Brightman Conference Series, and the Advanced Clinical Oral Medicine Selective. He is also a lecturer in 10 other courses at the pre- and postdoctoral levels.

The Lindback Awards for Distinguished Teaching at Penn were established in 1961 with the help of the Christian R. and Mary F. Lindback Foundation. This year’s recipients were recognized at a University-wide event held on April 17, 2013.

Dr. Eric T. Stoopler (D’99, GD’02)
Scholarly Activity

Awards & Achievements

Dr. Eric Abrams, Clinical Associate, Department of Preventive & Restorative Sciences, presented a Clinical Research Award in Recognition of Outstanding Research in Dental Sleep Medicine, American Academy of Dental Sleep Medicine, June 7, 2012.

Dr. D. Walter Cohen (C’47, D’50), Dean Emeritus, Professor Emeritus, Department of Periodontics, presented the William J. Gies Award for Outstanding Achievement – Dental Educator, ADEAGies Foundation, March 18, 2013.

Dr. Margrit Maggio (D’87), Assistant Professor of Restorative Dentistry, Director of Preclinical Dentistry and Director of Advanced Simulation, selected as a 2013-2014 American Dental Education Association (ADEA) Leadership Institute Fellow.

Dr. Eric Stoopler (D’99, GD’02), Associate Professor of Oral Medicine, presented a 2013 Christian R. and Mary F. Lindback Foundation Award for Distinguished Teaching, University of Pennsylvania, April 17, 2013.

Standing Faculty Promotions

Dr. Sunday Akintoye, promoted to Associate Professor, Department of Oral Medicine, effective July 1, 2013

Dr. Hydar Ali, promoted to Professor, Department of Pathology, effective July 1, 2013

Grants

Recently awarded research grants.

Department of Anatomy & Cell Biology
In vivo Preclinical studies of PLGF variant testing
8/20/2012-8/19/2014
Funding Source: Shire Human Genetic Therapies
Principal Investigator: Dr. Elisabeth Barton

Analysis of Akp null mouse model for muscle function
11/30/2012-11/29/2013
Funding Source: Alexion Pharmaceuticals
Principal Investigator: Dr. Elisabeth Barton

Department of Microbiology
KSHV-encoded Small Peptides
1/15/2013-12/31/2014
Funding Source: NIH
Principal Investigator: Dr. Yan Yuan

Department of Pathology
A. actinomycescomitans Cdt induces pro-inflammatory innate immune responses
4/1/13-3/31/18
Funding Source: NIH
Principal Investigator: Dr. Bruce Shenker

Department of Periodontics
Multi-Center Phase 3 Trial of Minocycline HCl 11mg Microspheres for the Use in Subjects with Peri-Implantitis: Clinical and Microbiological Evaluations
5/4/2012-5/31/2014
Funding Source: Orapharma, Inc
Principal Investigator: Dr. Joseph Fiorellini

Department of Oral Surgery
Resident Education Grant #10346
11/5/2012-12/31/2012
Funding Source: Synthes, Inc
Principal Investigator: Dr. Anh Le

AO Course Select Topics in Orthognathic Surgery in Washington, DC
1/15/2013-4/30/2013
Funding Source: Synthes, Inc
Principal Investigator: Dr. Anh Le

A Double-Blind, Randomized, Placebo-Controlled, Multiple-Dose, Multicenter Phase III Study of the Safety and Efficacy of CL-108 in the Treatment of Moderate to Severe Acute Pain
1/18/2013-1/17/2014
Funding Source: Charleston Laboratories
Principal Investigator: Elliot Hersh, Professor

PET/CT for the Diagnosis/Prognosis of TMJ Osteoarthritis
1/1/2013-12/31/2013
Funding Source: Oral And Maxillofacial Surgery Foundation
Principal Investigator: Eric Granquist

SPRIX (ketorolac tromethamine) nasal spray in patients on a high fat diet, compared to patients taking oral ketorolac tromethamine
11/12/2012-5/1/2013
Funding Source: Luitpold Pharmaceuticals, Inc
Principal Investigator: Dr. Elliot Hersh

Department of Preventive & Restorative Sciences
Clinical Evaluation of an Experimental Universal Adhesive Used with and without Phosphoric Acid Pretreatment in Posterior Composite Resin Restorations
5/15/2012-5/31/2014
Funding Source: Dentsply
Principal Investigator: Dr. Ricardo Walter

Scholarships for Disadvantaged Students (SDS)
9/30/2012-6/30/2016
Funding Source: Bureau of Health Professions/HRSA/DHHS
Principal Investigator: Dr. Joan Gluch

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Principal Investigator: Dr. Elisabeth Barton

Department of Microbiology
KSHV-encoded Small Peptides
1/15/2013-12/31/2014
Funding Source: NIH
Principal Investigator: Dr. Yan Yuan

Department of Pathology
A. actinomycescomitans Cdt induces pro-inflammatory innate immune responses
4/1/13-3/31/18
Funding Source: NIH
Principal Investigator: Dr. Bruce Shenker

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Department of Anatomy & Cell Biology
In vivo Preclinical studies of PLGF variant testing
8/20/2012-8/19/2014
Funding Source: Shire Human Genetic Therapies
Principal Investigator: Dr. Elisabeth Barton

Analysis of Akp null mouse model for muscle function
11/30/2012-11/29/2013
Funding Source: Alexion Pharmaceuticals
Principal Investigator: Dr. Elisabeth Barton

Department of Microbiology
KSHV-encoded Small Peptides
1/15/2013-12/31/2014
Funding Source: NIH
Principal Investigator: Dr. Yan Yuan

Department of Pathology
A. actinomycescomitans Cdt induces pro-inflammatory innate immune responses
4/1/13-3/31/18
Funding Source: NIH
Principal Investigator: Dr. Bruce Shenker

Department of Periodontics
Multi-Center Phase 3 Trial of Minocycline HCl 11mg Microspheres for the Use in Subjects with Peri-Implantitis: Clinical and Microbiological Evaluations
5/4/2012-5/31/2014
Funding Source: Orapharma, Inc
Principal Investigator: Dr. Joseph Fiorellini

Department of Oral Surgery
Resident Education Grant #10346
11/5/2012-12/31/2012
Funding Source: Synthes, Inc
Principal Investigator: Dr. Anh Le

AO Course Select Topics in Orthognathic Surgery in Washington, DC
1/15/2013-4/30/2013
Funding Source: Synthes, Inc
Principal Investigator: Dr. Anh Le

A Double-Blind, Randomized, Placebo-Controlled, Multiple-Dose, Multicenter Phase III Study of the Safety and Efficacy of CL-108 in the Treatment of Moderate to Severe Acute Pain
1/18/2013-1/17/2014
Funding Source: Charleston Laboratories
Principal Investigator: Elliot Hersh, Professor

PET/CT for the Diagnosis/Prognosis of TMJ Osteoarthritis
1/1/2013-12/31/2013
Funding Source: Oral And Maxillofacial Surgery Foundation
Principal Investigator: Eric Granquist

SPRIX (ketorolac tromethamine) nasal spray in patients on a high fat diet, compared to patients taking oral ketorolac tromethamine
11/12/2012-5/1/2013
Funding Source: Luitpold Pharmaceuticals, Inc
Principal Investigator: Dr. Elliot Hersh

Department of Preventive & Restorative Sciences
Clinical Evaluation of an Experimental Universal Adhesive Used with and without Phosphoric Acid Pretreatment in Posterior Composite Resin Restorations
5/15/2012-5/31/2014
Funding Source: Dentsply
Principal Investigator: Dr. Ricardo Walter

Scholarships for Disadvantaged Students (SDS)
9/30/2012-6/30/2016
Funding Source: Bureau of Health Professions/HRSA/DHHS
Principal Investigator: Dr. Joan Gluch
Selected Publications

A selection of recently published work by a Penn Dental Medicine faculty/researchers (indicated in bold).


Selected Publications (continued)


DIo:10.1016/j.jendod.2012.10.001.


Arrail Dental Group Gift to Advance School’s Continuing Education

This past December, Penn Dental Medicine received a major gift to help advance the School’s continuing education efforts. The multi-million-dollar contribution from Arrail Dental Group, China, will support continuing education program development here and around the world. This gift was made possible through Penn Dental Medicine Board of Overseer Robert Zou (WG’94), who is the founder and CEO of Arrail Dental Group.

When Zou joined the School’s Board in 2010, one of his goals was to help support the expansion of Penn Dental Medicine’s continuing education offerings in Asia — this gift will do that and more. It will fund the development of annual symposia in China and also support continuing education program development at Penn Dental Medicine.

“The dental industry is undergoing a dramatic change, driven by consumers’ increasing demand for a high quality life and by the development of new technologies,” says Zou. “By supporting Penn Dental, I hope our gift will enable the School to enhance its continuing education efforts, so as to solidify its leadership position in the global market.”

Zou, a 1994 graduate of the Penn’s Wharton School, has built Arrail Dental Group into one of the largest private dental groups in China. Arrail launched its first dental clinic in Beijing in 1999, and today, Arrail Dental has 26 clinics and one dental hospital in Beijing, Shanghai, Shenzhen, Xiamen, Guangzhou, and Hangzhou. Prior to founding Arrail Dental Group, Zou spent more than 14 years with SmithKline Beecham, Bankers Trust, and A.T. Kearney in China, Hong Kong, and the United States. He has served as Chairman of the Wharton Club of Beijing and is also a member of the Wharton Executive Board for Asia. Zou first forged a relationship with Penn Dental Medicine through a faculty/staff exchange program between Arrail and the School.

The first continuing education program being developed through the support of Arrail will be the Penn Endodontic Global Symposium in Beijing, to be held June 7 – 9, 2013. It will feature Penn Dental Medicine faculty and alumni, presenting on the latest science and practice within modern endodontics. Plans call for an annual symposium in Beijing in cooperation with Arrail, focusing on different clinical areas.

“This support from Arrail will play a key role in helping us move our continuing education programs to the next level.”

— DR. SYNGCUK KIM, ASSOCIATE DEAN FOR GLOBAL AFFAIRS AND CONTINUING EDUCATION

Time to Shine: Making History Campaign Exceeds Goal

The University-wide Making History Campaign — Penn’s most ambitious campaign ever — came to its official conclusion on December 31, 2012, surpassing its $3.5 billion goal to raise an unprecedented total of $4,302,890,707. Through overwhelming support from Penn alumni, family, and friends, the seven-year campaign built resources for faculty and staff, undergraduate scholarships, graduate and professional student aid, buildings and renovations, programs and research, and unrestricted resources.

Following are some figures on the impact of the Campaign University wide:

• 788 new funds and scholarships for undergraduate financial aid were created and the average Penn Grant increased to $41,953, a 60% increase since FY2007.

• Graduate and professional financial aid doubled with 845 funds created or supported.

• 161 endowed professorships; 16 new curators, coaches, and directorships; and 22 Penn Ingrates for Knowledge professorships were created.

• 50+ large capital projects were supported by campaign contributors.

• $2.022 billion was raised for programs and research.

• Annual giving increased an average of 45% over the life of the campaign.
Penn Dental Medicine Campaign Highlights
At Penn Dental Medicine, the School’s Making History Campaign goal of $37 million was exceeded as well with the funds raised totaling $37.9 million by the close of 2012.

Some of the key accomplishments the Campaign has made possible include: the establishment of the Cheung Family World Scholarship to support students from developing countries; the creation of the William W.M. Cheung Advanced Dental Care Clinic to manage advanced cases in restorative and esthetic dentistry; the recruitment of accomplished faculty researchers in periodontics, microbiology, and oral surgery; a wealth of new resources for the Oral and Maxillofacial Department and Residency Program through a record $17.3 million gift from the Louis Schoenleber, C’42, D’43, estate; the development of a 10-year master plan for facilities improvements; and the completion of the first large project of that plan — the state-of-the-art Syngcuk Kim Endodontic Clinic (see story, page 2).

For more on the impact of the Campaign at Penn Dental Medicine and all of Penn’s schools and centers, visit the Campaign’s final report website at http://finalreport.upenn.edu. Penn President Amy Gutmann hosted a University-wide celebration of the success of the Making History Campaign on April 19, 2013 in Penn Park and a special celebration event was held for supporters at Penn Dental Medicine on April 18.

As Penn Dental Medicine joins with the rest of the University in celebrating the success of Making History, plans are set to continue the momentum for ongoing growth and development through facilities improvements, student scholarships, faculty and research, and community outreach programs. The next key funding priority for facilities is the renovation of the Lower Concourse of the Evans Building, which will include a new Preclinical Lab & Continuing Education Training Center and new general restorative clinic (see related story, page 7).

$37.9M RAISED

Making History Campaign Impact in Numbers
Through the Making History Campaign, Penn Dental Medicine raised a total of $37.9 million through support from 3,516 donors.

<table>
<thead>
<tr>
<th>AREA OF SUPPORT</th>
<th>GIFTS IN MILLIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinics and Evans Renovations</td>
<td>$7.1M</td>
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<tr>
<td>Graduate Student Scholarships</td>
<td>2.5M</td>
</tr>
<tr>
<td>Term Chairs</td>
<td>.4M</td>
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<tr>
<td>Endowed Professorships</td>
<td>4.0M</td>
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<tr>
<td>Clinical Research</td>
<td>1.2M</td>
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<tr>
<td>Annual Fund (discretionary)</td>
<td>4.3M</td>
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<tr>
<td>Endowment</td>
<td>18.4M</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$37.9M</strong></td>
</tr>
</tbody>
</table>

Penn Dental Medicine

Penn President Amy Gutmann hosted a University-wide celebration of the success of the Making History Campaign on April 19, 2013 in Penn Park and a special celebration event was held for supporters at Penn Dental Medicine on April 18.

As Penn Dental Medicine joins with the rest of the University in celebrating the success of Making History, plans are set to continue the momentum for ongoing growth and development through facilities improvements, student scholarships, faculty and research, and community outreach programs. The next key funding priority for facilities is the renovation of the Lower Concourse of the Evans Building, which will include a new Preclinical Lab & Continuing Education Training Center and new general restorative clinic (see related story, page 7).
SYNGCUK KIM ENDODONTIC CLINIC DEDICATION

Alumni, students, faculty, and staff gathered on March 1, 2013 for a dedication celebration of the School’s new Syngcuk Kim Endodontic Clinic. The event included a continuing education program for attendees, an open house of the clinic, a ribbon cutting ceremony and reception, and a dinner at the University Museum — all celebrating the support of alumni and friends who funded the project and honoring Dr. Syngcuk Kim, the Louis I. Grossman Professor of Endodontics, who has led the Department of Endodontics for nearly 21 years.

1 On behalf of the Penn Dental endodontics residents, Chafic Safi (GD’15) presented Dr. Kim with a plaque in recognition of his many years of dedicated service and commitment to Penn Endo.

2 Maren Gaughan, Associate Dean for Development and Alumni Relations, with Dr. Ioana Catalina, Dr. Meetu Kohli (D’02, GD’05), and Dirk Priewe of Carl Zeiss Meditec.

3 Dr. Kim and members of the Endodontic Department faculty.

4 Dr. A. K. Bobby Mallik (D’97, GD’98), with his daughter, Meera.

5 Dr. Frank Setzer (GD’06, GD’07, D’10, center) with endodontic residents.

6 Alumni, new s
6 Dr. Stephen Shpeen (D’81), with Dr. Francine Trzeciak Cwyk (D’82, GD’84), and Gary Cwyk.

7 Dr. Sweta Shah (D’08, GD’10), with her husband Vipul Saini.

8 Drs. Meetu Kohli (D’02, GD’05), Samuel Kratchman (GD’81), and Justo Sosa.

9 Dr. Bekir Karabucak (GD’97, D’02) with Drs. Saju George (D’95, GD’00), Helmut Walsch (GD’00, GD’01), and Spyridon Floratos (GD’09, GD’10).

10 Dr. Kim being roasted by Dr. Samuel Kratchman (GD’91).

11 Dean Denis Kinane, Dr. and Mrs. Kim, and Dr. Alvin Grayson.

12 Dean Denis Kinane and Dr. Kim following the unveiling of Dr. Kim’s portrait.

13 Dr. Kim with residents of the endodontic program.
Alumni Gatherings

MAKING THE PENN DENTAL CONNECTION

Penn Dental Medicine alumni and students gathered for an evening of networking at the Making the Penn Dental Connection event, held at the Union League of Philadelphia, October 22, 2012.

1 Zack Korwin, D’14; Renee Nykolak, D’14; Dr. Farideh Madani, GD’78, GD’80, D’84, and Sheedah Madani D’15.

2 Penn Dental Medicine Board of Overseer, Dr. Richard Copell, D’80, with Ishrath Ragwala, D’13, and Neha Ajnera, D’13.

3 Dr. David Ettinger, D’87, GD’93, with Keith Goldman, D’13, and Alice Bassahi, D’16.

4 Roseanne Butts and Bernice April received the Award for Outstanding Service to Students by the Executive Student Council.

5 Dean Denis Kinane with T.J. Filip, WG’08, D’09, Derek Conover, D’08, WG’10, and Steven Lin, D’15.

1 2 3 4 5
ALUMNI IN ACADEMIA

As part of the alumni in academia article in the last Penn Dental Journal, we included a list of alumni who we could confirm at the time as currently working in academic roles (see Fall 2012 Penn Dental Journal, pages 14,16). As a follow-up, we asked to hear from others who were doing the same. In response, we were pleased to learn of the following alumni active in teaching and clinical roles at schools nationwide. We know there are others — we would still like to hear from you as well. Share your position with us at www.dental.upenn.edu/classnotes or alumni@dental.upenn.edu and we will share it with your fellow alumni in a future issue of the Penn Dental Journal.

Boston Children’s Hospital/ Harvard School of Dental Medicine
Dr. Marc Ackerman, D’98
Director of Orthodontics, Boston Children’s Hospital
Instructor, Harvard School of Dental Medicine

Eastman Institute for Oral Health at University of Rochester
J. Daniel Subtelny, D’47
Professor Emeritus, Program Director and Chair, Division of Orthodontics and Dentofacial Orthopedics

Memorial Sloan-Kettering Cancer Center
Cherry L. Estilo, D’98
Associate Attending Dentist
Director, Dental Oncology Fellowship Program
Dental Service, Department of Surgery

NYU College of Dentistry
George Cisneros, D’77
Professor and Chair, Department of Orthodontics

Temple University Kornberg School of Dentistry
Dr. Orhan Tuncay, GD’74
Professor, Chair, and Program Director, Department of Orthodontics

Tufts University School of Dental Medicine
Daniel Green, D’60
Professor and Chair, Department of Endodontics, Director of Postgraduate Endodontics

University of Connecticut
Ellen Eisenberg, D’74
Professor and Section Chair, Oral & Maxillofacial Pathology, Department of Oral Health & Diagnostic Sciences, University of Connecticut School of Dental Medicine
Associate Professor, Department of Pathology and Laboratory Medicine, University of Connecticut School of Medicine
Director, Oral Pathology Biopsy Service, University of Connecticut Health Center

University of Florida College of Dentistry
Edward S. Hopwood, D’98
Assistant Clinical Professor, Department of Restorative Dentistry

University of Michigan School of Dentistry
R. Scott Conley, D’96
Robert W. Browne Professor of Dentistry, Clinical Associate Professor, Department of Orthodontics and Pediatric Dentistry

Weill Cornell Medical College/ New York Presbyterian Hospital
Cherry L. Estilo, D’98
Assistant Professor of Clinical Surgery Department of Dentistry, Oral and Maxillofacial Surgery

West Virginia University School of Dentistry
Peter Ngan, GD’84
Professor and Chair, Department of Orthodontics
Head, Division of Pediatric Dentistry, WVU

Western University of Health Sciences/Cedars-Sinai Medical Center
Joel M. Laudenbach, D’98, GD’04
Assistant Professor, Oral Medicine and Geriatric Dentistry
Medical Staff, Division of Dentistry & Oral Surgery, Cedars-Sinai
1930’s
Seymour Bauch (C’36, D’37) has turned 100 — happy birthday!

1950’s
Ms. Ann Sproule Hunnicutt (DH’53) a Dental Hygienist for 40 years and the last 15 years was the 2nd RDH turned 100 — happy birthday!

1960’s
Daniel P. DeCesare (D’69) was presented the Distinguished Dentist Citation for ‘Outstanding Contributions to the Art and Science of Dentistry” by the Pierre Fauchard Academy, an international honor society. Dr. DeCesare is a Diplomat of the International Congress of Oral Implantologists and has fellowships in the American College of Dentists and the International College of Dentists. He has been practicing periodontics and implant dentistry for over 40 years and has offices in Providence and Johnston, R.I.

Charles R. Weber (D’69) is currently a trustee to the American Dental Association and a candidate for President-Elect to the American Dental Association.

1970’s
Richard Aigen (D’72) is now happily retired and living out the summers in Quechee, VT. He spent the winter at the PGA National in Palm Beach Gardens, Fla., and is keeping busy playing golf with two sons and fishing with two grandsons.

Ellen Eisenberg (D’74) is Professor and Section Chair, Oral & Maxillofacial Pathology, Department of Oral Health & Diagnostic Sciences, at the University of Connecticut School of Dental Medicine; Associate Professor, Department of Pathology and Laboratory Medicine, University of Connecticut School of Medicine; and Director, Oral Pathology Biopsy Service, University of Connecticut Health Center.

Louis E. Rossman (D’75, GD’77) has been appointed as Visiting Professor of Endodontics, Tufts University School of Dental Medicine. Dr. Rossman is President -Elect of the Foundation of the American Association of Endodontics and has a private practice in Endodontics in Center City Philadelphia.

1980’s
Jeffrey A. Kimelman (C’79 D’83) has been appointed Chief of Oral & Maxillofacial Surgery for Kennedy Health System, Cherry Hill, Stratford, and Washington Township, N.J.

Peter R. Auster (D’80) has been elected to the Board of Directors of the American Academy of Cosmetic Dentistry. He continues to be the President of the New York affiliate of the AACD, the Empire State Academy of Cosmetic Dentistry. Dr. Pamela Doray (GED’76, D’84) is a fellow AACD board member and the board members of the ESACD include Penn Dental graduates Dr. Michael Teitelbaum (D’89) and Dr. Raj Upadya (D’97). Dr. Auster maintains a Cosmetic/General Dentistry practice in Pomona, N.Y.

James H. Doundoulakis (D’82, GED’82) a prosthodontist and implant specialist in New York, N.Y. and Greenwich, Conn., was inducted as a Fellow of the International College of Dentists at its 83rd Annual Convocation in San Francisco, Calif. on October 19, 2012. An honorary organization for the recognition of outstanding and meritorious service to the professional and community, the College presented Dr. Doundoulakis with a membership plaque, a gold lapel pin, and a gold key symbolic of this Fellowship for conspicuous service rendered in the art and science of dentistry.

Dr. Doundoulakis, who is President of the New York County Dental Society, also joined Stanley M. Bergman, Chairman of the Board and Chief Executive Officer of Henry Schein, and other leaders of the dental community in opening the NASDAQ Stock Market in Times Square March 20, 2013 in celebration of FDI World Dental Federation’s “World Oral Health Day”. “World Oral Health Day” global sponsors Listerine® Brand and Unilever, joined other leading dental professionals to recognize the integral importance of oral health to total health. The theme of FDI’s World Oral Health Day 2013, “Healthy Teeth for Healthy Life,” underscores the importance of oral health to overall health and well-being.

SHARE YOUR NEWS
We want to hear from you. Share your news on personal and professional accomplishments with your fellow Penn Dental Medicine alumni through the Class Notes section of the Penn Dental Journal. We have made it easy for you to make a submission — simply go to www.dental.upenn.edu/classnotes where you can quickly send us your information — we welcome photos as well.

Or, you can send your submissions to:
Robert Schattner Center
University of Pennsylvania School of Dental Medicine
Office of Development and Alumni Relations
240 South 40th Street
Philadelphia, PA 19104-6030

215-898-8951 (p)
alumnifeedback@dental.upenn.edu
**1990’s**

Edward S. Hopwood (D’98) is Assistant Clinical Professor in the Department of Restorative Dentistry, University of Florida, College of Dentistry. He volunteers at the Seminole Campus AEGD program and has been involved with that program for 15 years.

**2000’s**

Justin Rashbaum (D’08) has served for the past year as the QVC spokesperson for Supersmile, a nationally recognized whitening toothpaste system developed by Dr. Irwin Smigel, the world-renowned “Father of Aesthetic Dentistry.”

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**Luis J. Fujimoto (D’90, GD’93)** has been appointed President of the Osseointegration Foundation, Chicago, Ill. Dr. Fujimoto is the President/Chairman of the New York State Board of Dentistry for the New York State Education Department. He is a Past President of the North East Society of Periodontists and the Eastern Dental Society. Dr. Fujimoto is a Board Member of the James Brister Society at the University of Pennsylvania and the Medical Reserve Corps at the New York State Department of Health and Mental Hygiene. Dr. Fujimoto is a Member of the Cochrane Oral Health Group, Manchester, United Kingdom. He also serves on the Editorial Board of the *Journal of Osseointegration and the Annals of Oral & Maxillofacial Surgery*. Dr. Fujimoto is a Member of the Centerstage Society of the Annenberg Center at the University of Pennsylvania. Dr. Fujimoto is a Clinical Professor of Periodontology in the Department of Periodontology of Nippon Dental School, Tokyo, Japan. He is a former Clinical Associate Professor of Postdoctoral Periodontology in the Department of Periodontology and Implant Dentistry at New York University College of Dentistry, and a recipient of multiple fellowships and the ADA Golden Apple Award. Dr. Fujimoto is in the private practice, Comprehensive Dentistry with Advanced Services in Implants and Oral Rehabilitation, in New York City.

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**CORRECTION**

In the Fall 2012 issue of the Penn Dental Journal, the Class Note under the 1950’s should have read that **Richard Rushmore, D’52, attended and celebrated his 60th Penn Dental Reunion together with Edwin Horne, D’52, at the School of Dental Medicine this May. Mistakenly, we listed Dr. Marshall Vaughters instead of Dr. Rushmore.**
### In Memoriam

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Mildred Weis Levitt</td>
<td>DH’32</td>
<td>Philadelphia, PA</td>
<td>November 14, 2012</td>
</tr>
<tr>
<td>P. Richard Wexler</td>
<td>D’52</td>
<td>La Canada Flintridge, CA</td>
<td>January 1, 2013</td>
</tr>
<tr>
<td>Mrs. Marguerite Getz Chain</td>
<td>DH’38</td>
<td>New Holland, PA</td>
<td>December 14, 2012</td>
</tr>
<tr>
<td>Carey Johansen</td>
<td>D’39</td>
<td>Richmond, VA</td>
<td>March 21, 2012</td>
</tr>
<tr>
<td>Joseph E. Grodjesk</td>
<td>D’41</td>
<td>Monmouth, IL</td>
<td>August 18, 2012</td>
</tr>
<tr>
<td>John E. Richmond</td>
<td>D’43</td>
<td>Henderson, NY</td>
<td>October 5, 2012</td>
</tr>
<tr>
<td>Louis B. Ferrara</td>
<td>D’43</td>
<td>New York, NY</td>
<td>November 28, 2012</td>
</tr>
<tr>
<td>Carl R. Smith</td>
<td>D’43</td>
<td>Delray Beach, Fl</td>
<td>December 3, 2012</td>
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<tr>
<td>Theodore H. Kirrstetter</td>
<td>C’46, D’48</td>
<td>Lansdale, PA</td>
<td>December 8, 2012</td>
</tr>
<tr>
<td>Louis H. Guernset</td>
<td>D’47, G’56</td>
<td>Norristown, PA</td>
<td>December 6, 2012</td>
</tr>
<tr>
<td>Mrs. Jean Booth Chiemingo</td>
<td>DH’47</td>
<td>Cape May Point, NJ</td>
<td>December 12, 2012</td>
</tr>
<tr>
<td>George M. Savitsky</td>
<td>ED’48, D’54, GD’59</td>
<td>Ocean City, NJ</td>
<td>September 4, 2012</td>
</tr>
<tr>
<td>Mrs. Dorothy S. Douglass</td>
<td>DH’a49</td>
<td>Huntingdon Valley, PA</td>
<td>August 8, 2011</td>
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<tr>
<td>Michael H. Buckley</td>
<td>D’51</td>
<td>Clinton, NY</td>
<td>March 27, 2011</td>
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<tr>
<td>Rear Admiral Paul E. Farrell</td>
<td>D’51</td>
<td>Collegeville, PA</td>
<td>October 19, 2012</td>
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<tr>
<td>James S. Williams</td>
<td>C’51, D’54</td>
<td>Wyndmoor, PA</td>
<td>December 1, 2012</td>
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<tr>
<td>Hobart H. Moyer</td>
<td>D’52</td>
<td>State College, PA</td>
<td>August 10, 2012</td>
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<tr>
<td>Donald A. Cooper</td>
<td>D’53</td>
<td>Toms River, NJ</td>
<td>July 11, 2012</td>
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<tr>
<td>Richard A. Ern</td>
<td>D’53</td>
<td>Southbury, CT</td>
<td>September 11, 2012</td>
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<tr>
<td>Myron D. Eisenberg</td>
<td>D’54</td>
<td>Philadelphia, PA</td>
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<tr>
<td>Ralph F. Minervino, Jr.</td>
<td>C’55, D’60</td>
<td>Landing, NJ</td>
<td>August 01, 2012</td>
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<tr>
<td>Morton J. Weler</td>
<td>D’55</td>
<td>Woodbridge, CT</td>
<td>January 5, 2013</td>
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<tr>
<td>Robert J. Shaeffer</td>
<td>GD’60</td>
<td>San Antonio, TX</td>
<td>December 7, 2011</td>
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<td>James E. Houston</td>
<td>D’60</td>
<td>Montrose, CO</td>
<td>February 1, 2013</td>
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<tr>
<td>Joseph A. Helfrich</td>
<td>GD’61</td>
<td>West Chester, PA</td>
<td>January 26, 2013</td>
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<tr>
<td>George A. Layman</td>
<td>D’64</td>
<td>Chambersburg, PA</td>
<td>October 8, 2012</td>
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<tr>
<td>Jonathan W. Reeder</td>
<td>C’65, D’69</td>
<td>Houston, TX</td>
<td>January 1, 2013</td>
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<tr>
<td>Robert W. Johnson</td>
<td>D’67</td>
<td>Dexter, NY</td>
<td>August 26, 2012</td>
</tr>
<tr>
<td>Anthony V. Angelichio</td>
<td>D’68</td>
<td>Illion, NY</td>
<td>March 12, 2012</td>
</tr>
<tr>
<td>Jeffrey R. Blum</td>
<td>D’80</td>
<td>Ardmore, PA</td>
<td>November, 28 2012</td>
</tr>
<tr>
<td>Agnes Dziarski</td>
<td>D’86</td>
<td>Flossmoor, IL</td>
<td>August 4, 2012</td>
</tr>
<tr>
<td>Nalin Patel</td>
<td>D’90</td>
<td>Newtown, PA</td>
<td>October 8, 2012</td>
</tr>
</tbody>
</table>

**Shaping the Future of Care**

PENN DENTAL MEDICINE has much to celebrate following the conclusion of the University’s Making History Campaign on December 31. With your shared commitment, we continue to shape the future of dental education and care, building support for our students, enhancing our facilities, and strengthening our faculty and research to better serve our community.

Please help sustain the School’s leadership in the profession by making your commitment to the Dental School Annual Giving Fund before June 30, the end of Penn’s fiscal year. Whatever your level of support, your gift is significant to our efforts in maintaining an education that is “second to none.” For your convenience, gifts to the Dental School Annual Giving Fund can be made in several ways:

- **CALL** the Office of Development and Alumni Relations at 215-898-8951 to make a gift by credit card.
- **VISIT** www.dental.upenn.edu/give to make a secure gift online.
- **SEND** your check, made payable to the “Trustees of the University of Pennsylvania” using the enclosed envelope.

**TRANSFER** appreciated securities for substantial tax benefits. You will receive income tax deduction equal to the fair market value of the stock on the effective date of the gift, while also avoiding capital gains tax on the transfer. For transfer instructions, please contact the Office of the Treasurer at 215-898-7254 or gifts@pobox.upenn.edu. This will help to ensure both timely receipt and appropriate allocation of the gift.

*For more information, please contact the Office of Development & Alumni Relations at 215-898-8951.*
The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class status in the administration of its admissions, financial aid, educational or athletic programs, or other University-administered programs or in its employment practices. Questions or complaints regarding this policy should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, Sansom Place East, 3600 Chestnut Street, Suite 228, Philadelphia, PA 19104-6106, or (215) 898-6993 (Voice) or (215) 898-7803 (TDD).

Penn Dental Medicine went pink on November 2, 2012, to help build awareness of the importance of early detection in the fight against breast cancer. Students and faculty in the teaching clinics and clinicians and staff in the three offices of the Penn Dental Faculty Practices wore pink gowns, gloves, and masks, reminding patients of the vital role of screening in preventive care.

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Calendar of Events

May 4, 2013
American Association of Orthodontics Annual Meeting Reception Philadelphia Marriott Philadelphia, PA

May 7, 2013
Senior Farewell Dinner Ritz-Carlton Philadelphia, PA

May 10-12, 2013
Alumni Weekend Celebrating reunions for classes ending in "3" & "8" Philadelphia, PA

May 13, 2013
Class of 2013 Commencement Irvine Auditorium Philadelphia, PA

Continuing Education Programs

June 7-9, 2013
Global Penn Endo Symposium Beijing, China

June 14-15, 2013
The 5th International Congress on Adhesive Dentistry Annenberg Center Philadelphia, PA

June 23-28, 2013
Penn Periodontal Conference 2013 Penn Dental Medicine Philadelphia, PA

September 27-29, 2013
Bender, Seltzer & Grossman Academic Review of Endodontology Penn Dental Medicine Philadelphia, PA

October 5, 2013
Bisphosphonate Osteonecrosis: An Update Penn Dental Medicine Philadelphia, PA

For more information on these and other continuing education programs, visit www.dental.upenn.edu/cde or call 215-573-9098.

www.dental.upenn.edu