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BY DEBBIE GOLDBERG



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Dean

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A Message

FROM THE OFFICE OF THE DEAN

first want to take this opportunity to say what an honor and pleasure it is to be serving as Dean of Penn Dental Medicine. Since joining this great institution in July, the entire Penn Dental Medicine community has been tremendously welcoming, and I thank everyone for your openness and eagerness to engage with me in support of the School. In meeting with and getting to know you — our alumni, Board of Overseers, faculty, staff, and students — it is readily apparent what a great asset all of you are to the School and will be to me as Dean in undertaking new initiatives together. I also want to thank and acknowledge Interim Dean Thomas Sollecito for his valuable insight and support in the transition of the deanship.

As I take on this leadership role, my focus is on advancing our mission of education, research, and patient care by ensuring we have the resources and administrative structure to support ongoing excellence in all three areas. That begins by evaluating where we are today, defining where we want to be, and identifying the strategic steps needed to keep us on the path

Advancing Our Mission taking up this task with the support and input

of growth and achievement. I am eagerly taking up this task with the support and input of so many from the Penn Dental Medicine

community. Already, we are moving forward to improve efficiency within the general restorative clinics through the introduction of a central registration, scheduling, and cashiering system to

streamline patient management. Implemented in September, this is an important first step in moving toward fully electronic patient records. The next phase will be the incorporation of digital radiography and chair-side computers in all clinics as we transition to electronic patient charting — a process that is underway and one that will not only enhance our patient and student experiences in the clinic, but also expose our students to the tools needed for running a dental practice today.

This is just the beginning. From improvements in our key clinical and research facilities to the strengthening of our endowment to support faculty recruitment, enhance scholarship, and increase student financial aid, we have significant goals and challenges ahead; yet, I am invigorated by those challenges and confident in our ability to meet them. In this issue of the Penn Dental Journal, we gratefully acknowledge the alumni and friends of the School who provided support this past fiscal year (see page 24) – support that is vital to the ongoing and future strength of the School. I thank you, and while I have had the opportunity to meet some of you, I hope I will have the chance to meet many more of you soon.

Again, it is an honor and pleasure to be part of the Penn Dental Medicine community, and I look forward to working with you to build upon the School's rich history of leadership in dental education, research, and patient care.

DENIS F. KINANE, BDS, PHD

flow thrance

Morton Amsterdam Dean



When arriving at Penn Dental Medicine in July as the School's new Morton Amsterdam Dean, Dr. Denis F. Kinane was immediately struck by the energy and commitment of the School community. Ask him about taking on this new leadership role, and one is struck by the same in him. "There is a tremendous spirit in the School — the people are absolutely wonderful," he says. "Everyone has been extremely welcoming and hungry to hear what I have to say and hungry to engage with me for the benefit of the School. I am excited to be here and really grateful for everyone's input."

Dr. Kinane has plans to harness the spirit he has felt so strongly in his short time as Dean to accomplish his primary goal: to ensure that Penn Dental Medicine is second to none in all aspects of dental education, research, and clinical care. He brings a wealth of accomplishment in research, practice, and education to this pursuit of excellence, along with a strong record of success in recruiting and building effective research partnerships. Among Dr. Kinane's key objectives are improvements to the School's infrastructure and strengthening its scholarship.

Dean Kinane, who also holds appointments as Professor of Pathology and of Periodontics, comes to Penn Dental Medicine from the University of Louisville School of Dentistry, where since 2002, he served as the Associate Dean for Research and Enterprise, Director of the Oral Health and Systemic Disease Research Group, and Delta Dental Endowed Professor in the Department of Periodontics, Endodontics and Dental Hygiene. He was also Professor of Microbiology and Immunology at the University of Louisville School of Medicine.

A native of Scotland, Dr. Kinane, 52, spent much of his distinguished career there, earning his bachelor of dental surgery and his PhD in microbiology from the University of Edinburgh in 1980 and 1983 respectively, and serving on the University of Glasgow Dental School faculty for 14 years, where he held the posts of Professor and Chair of Periodontology and Oral Immunology and Associate Dean for Research and Enterprise. Dean Kinane is a member of the Faculties of Dental Surgery of the Royal College of Surgeons of Edinburgh in restorative dentistry and the Royal

College of Physicians and Surgeons of Glasgow in periodontics. An active clinician and researcher, his substantial scholarship has shed light on the causes and development of periodontal disease as well as the relationships between periodontal disease and systemic health and diseases such as diabetes and heart disease.

Just one month into his deanship, we had a chance to sit down and talk with Dean Kinane about his background and his views and vision for the School.

Q. What attracted you to the Penn Dental deanship?

A. This school has a tremendous history. Over the years, it has been recognized as the global leader in dentistry. I think there have been remarkable advances made within the School in terms of clinical and basic science research that have changed the way the world thinks about the practice of dentistry. And over the years, there has been an acknowledgement that Penn's clinical practice has been second to none as well. That history of excellence appealed to me greatly, and I look forward to contributing to it as Dean. I was also drawn to the deanship by the unique challenges the School currently faces in order to continue to live up to its history of excellence. I relish challenges.

Q. What do you see as those challenges and your top priorities?

A. High-quality clinical therapy has to be done against a backdrop of high-quality research and education. Those three things — clinical delivery, scholarship, and education are all linked, and my priority is to make sure the administrative structure in the School is such that all three can be delivered at a high level and in a consistent way. In research, I think we need to regain our position near the top in NIH ranking of dental schools by regaining a critical mass of high-quality researchers through careful recruitment. There is also clearly a lot of work required to get our facilities up to scratch — in respect to the undergraduate Main Clinic, in respect to the Levy Building as a state-of-the-art research facility, and in making improvements to how we utilize the Schattner Center. Another important element that will drive the clinical education piece enormously is the need to be more

efficient with respect to how we manage the clinics. We need to bring computers into the clinics and embrace the paperless office approach for charting, scheduling, and managing students' experiences. Already, with the help of our high-quality administrative staff and faculty, we are moving ahead. I have been meeting with as many faculty, staff, and students as I possibly can, as quickly as I can.

Q. During your tenure as Associate Dean for Research at Louisville, the school's national ranking in NIDCR research funding went from 37th to 12th. What was the key to that success and do see applying similar strategies here?

A. The main driver in our success in Louisville was working with the Dean and other Associate Deans to develop a good business plan, which focused on gathering resources to build new laboratories and bring in high-quality researchers. I was very fortunate — one of the first people I was able to recruit was in fact from Penn, Dr. Donald Demuth, and then we kept recruiting the best until we had put together a very good team. That is how we drove ourselves up in the rankings, by recruiting high-quality people who were then able to develop critical mass that encouraged other researchers to join us. I plan to do the same thing here at Penn with my colleagues in the Levy Building. I think we should be able to apply the same model, and I believe it will lead to similar success.

Q. Tell me a bit more about the Oral Health and Systemic Disease Research Group you directed. Were you brought in to form it?

A. Yes, and while Oral Health and Systemic Disease was the name of the group, we ended up recruiting people who were addressing the infection and immunity theme. As you know, the two major dental diseases – caries and periodontal disease – are caused by bacteria, and therefore, infection in terms of bacterial damage to the oral structures is very relevant to dentistry. And obviously, how the body responds – immunity – is also very relevant. I believe dental school research should have at least four major themes – one is infection and immunity; one is human growth, development and genetics; another is cancer; and another is dental materials and biomaterials science. These are all highly relevant to what we do as dentists and are sufficiently engaging and translatable to allow clinicians to be engaged in research along with basic scientists.

Q. What philosophies and methodologies do you apply to your own research?

A. I have always felt one has to approach things in a broad way initially before one drills down into specific areas. I believe in the top-down approach to anything — that is, to start with a real clinical finding and then drive down to wherever it needs to go in terms of the biology. I think you have to stay close to the problem — the disease itself — and understand that the disease is very variable across individuals, and therefore, you need to understand the genetics of these individuals as well as the pathology of the disease. Essentially, you do not know which field the rabbit is going to run into, so you need to be prepared to follow the rabbit, and to learn as you go. It demands that one is nimble with respect to the disciplines one learns, so as to put that puzzle together.

One of the things I have enjoyed most about my own personal scientific career is that I have learned so much in the process and continually have a curiosity and fascination with learning new things. I am a very interested learner, very keen to discover things important to my major research goal, which is to understand more on the pathogenesis of periodontal disease in particular and on how periodontal disease can impact on the systemic health of a patient.

Q. Has that led you to a lot of collaborations across disciplines?

A. Absolutely. In this day and age, we have to be multidisciplinary. We have to be working as a team. We also have to be aware of what we do not know, where to go in order to find the answers, and who is available to help in the process. The beauty of Penn is the enormous number of researchers in a wide variety of disciplines — every discipline that exists in biology. We have no excuses not to be collaborating with the very best. Indeed, our President, Amy Gutmann, has as one of the three principles of the Penn Compact that we integrate knowledge — this means within Penn Dental, around Penn, and beyond.

Q. Are there any active projects from your lab that you can share some highlights on?

A. One thing we are very interested in at the moment is the control of information – how information varies across different people. We have been looking at a quite novel molecule – a microRNA; we just published a paper about it in the *Journal of Biological Chemistry* (see box, page 5). MicroRNAs are a

group of RNAs that are able to block regular RNA, and thus, stop a particular protein from being produced in a cell. That results in the number of receptors on the cell being markedly reduced, and thus, that cell does not respond when a bacteria challenges it. Therefore, we are looking at variations in patients to see which ones respond and which ones do not respond to particular bacteria. There might be a way of manipulating therapeutically patients' responses to these bacteria, which may ultimately be beneficial to treatment.

Q. Will you continue to stay active in research as Dean?

A. Right now, my short- to medium-term priorities and focus are on learning all the new aspects of Penn and my role as Dean, but once I get a true grasp of that, my plan is to stay fully engaged in research.

Q. You have been very active in the organization of scientific meetings — chairing, for example, the Gordon Research Conference on Periodontal Disease from 2006 through 2009 - and also in organized dentistry internationally, remaining part of the European Academy of Periodontology since 1999. Do you foresee that you will continue to be engaged at a similar level?

A. I think being involved in national and international committees and meetings is very important. First and foremost, it gives us an opportunity to discuss our problems with others who face very similar problems, so we learn a lot. We also can fly the flag for Penn and demonstrate our excellence, which is also important. Another point that is very central to the University's mission as dictated by President Gutmann's Compact is that we engage both locally and globally. I think the School has wonderful advantages in this area, particularly through our Board of Overseers Chair, Bill Cheung, who practices in Hong Kong and is also very involved in the international community.

We are already planning a visit to Beijing in March 2010 with a group from Penn that will include Bill Cheung, the President, and the Provost. We will be exploring collaborations with other universities in the Far East also — Seoul, Hong Kong, and Tokyo, for instance. One big advantage of Penn is that its name goes before it. We have a real foothold with respect to excellence and have established respect around the globe. That sets a challenge for me as Dean — I have to emulate that.

THE RESEARCH OF DEAN KINANE

Primary Research Interests

- Periodontal immune and inflammatory processes, mainly addressing the causes, development, and susceptibility markers of periodontal disease.
- The relationship between periodontal/other oral diseases and systemic health and diseases such as diabetes and cardiovascular disease, involving research into inflammation, immunity, microbial pathogenesis, genetics, and systemic disease markers.

Publications

More than 180 peer-reviewed papers; recent selected publications include:

- Sphingosine 1-phosphate 1 and TLR4 mediate IFN-beta expression in human gingival epithelial cells. Eskan MA, Rose BG, Benakanakere MR, Lee MJ, Kinane DF. J Immunol. 2008 Feb 1; 180(3): 1818-25.
- Toll-like receptor-mediated production of IL-1Ra is negatively regulated by GSK3 via the MAPK ERK1/2. Rehani K, Wang H, Garcia CA, Kinane DF, Martin M. J Immunol. 2009 Jan 1; 182(1): 547-53.
- Modulation of TLR2 protein expression by miR-105 in human oral keratinocytes. Benakanakere MR, Li Q, Eskan MA, Singh AV, Zhao J, Galicia JC, Stathopoulou P, Knudsen TB, Kinane DF. *J Biol Chem.* 2009 Aug 21; 284(34): 23107-15.

Supported Research

Since 2003, served as principal investigator in 10 sponsored research projects and co-investigator in three for the NIH/NIDCR, CDC, HRSA, Colgate, Warner-Lambert, and Procter & Gamble. Currently, Dr. Kinane's main research focus is on his active NIH RO1 project:

Epithelial Cell TLRs in Disease Susceptibility: This study aims to determine that the individual response of human gingival epithelial cells to bacterial LPS affects the cellular toll-like receptor genotype, thus influencing the susceptibility to gingivitis and periodontitis.

Members of Dr. Kinane's research lab who have come from Louisville to join him at Penn Dental Medicine include Manjunatha Benakanakere and his wife, Kavita; Johnah Galicia; and Jaiwei Zhao.

Editorial Boards

Journal of Clinical Periodontology Clinical Oral Implants Research Oral Diseases British Dental Journal Journal of Periodontal Research Genes and Immunity International Journal of Dental Hygiene Journal of Dental Research

Q. How would you describe your leadership or management style?

A. In terms of leadership, I want to articulate a clear vision, which is that we need to be excellent in all areas of dentistry—research, teaching, and clinical provision. But, I do not want to micromanage. My ideal is to have a group of people who can do things better than I would do myself and trust them to deliver in their areas of expertise.

I think a leader is quite different from a manager. A manager is more involved with the day-to-day nuts and bolts, and I cannot do that and be an effective leader at the same time. A leader is someone who sets an example, who has a vision, who is strategic. That is the kind of leader I am striving to be, and I hope people here will give me feedback and let me know if I am not achieving that.

Q. Are you developing a formal strategic plan?

A. Yes, the strategic plan is coming into existence as we speak. It will address those three areas I talked about — research, teaching, and clinical provision — and make sure that we are achieving excellence in all three. And importantly, it will use high-quality metrics to monitor how well we are doing. Objective assessments of performance are crucial, as is return on investment.

Q. Is there anything in particular you would like to say to our students?

A. I think our students are our major asset. All the students I have met so far have been genuinely pleased to be at Penn Dental Medicine and have been diligent, hardworking, intelligent – they are an absolute delight. I am looking forward to talking with them on a one-to-one basis and finding out what we can do to enhance their experience so that they will remember their time here very fondly and continue to support the School through development and other activities for the rest of their careers, and indeed, their lives.

Q. What would you like to communicate to our alumni?

A. I want the alumni to understand that there is new leadership here. Under new leadership, under a new dean, we have a new day and a new dawn together. We all need to get behind the School, and alumni are such a big part of that. I think our alumni agree that they have benefited enormously from their time at Penn, and that they are interested in Penn, or they would not be reading this right now. They should know that

by giving back, they can and will contribute to enhancing Penn's progress and excellence in a very critical way. I would love for all alumni to be members of the Benjamin Franklin Society – that would be great support for Penn Dental.

Q. Can you tell us a little bit about your personal life – your background in Scotland, your family, and hobbies?

A. I was born and raised in Scotland, but my parents are both Irish. They met in Scotland and married in Edinburgh and then settled there. So I am genotypically Irish and phenotypically Scottish.

My wife, Celina, and I have three children. Our eldest daughter, Louisa, 24, is a mathematician, though right now, she is taking extended time off to travel. Our second daughter, Ruth, is 22 and majoring in Spanish and literature; her major interest is American antebellum literature. My son, James, is 18 and starting his second year in medicine at Dundee in Scotland. He is actually thinking about transferring to Penn, but that will depend on a lot of things, so we will see. It would be nice to have them all here.

As for hobbies, I play golf occasionally. I play a bit of tennis, although I am no way near as good as my son, which is a bit embarrassing. I played soccer in the past and I enjoyed playing when I was in Louisville, but I am not sure if I will take that up again. I read a lot of novels, and play chess and bridge occasionally, and I like poker as well. I find the aspect of reading people fascinating.

Q. How are you enjoying Philadelphia?

A. Philadelphia is a fantastic city. It is like a small village as well as a big city, and the amount of history here is amazing. In general, I really enjoy living in the United States. I admire the enterprise culture and the fact that in this country, more so than in Europe, excellence is appreciated and supported and allowed to thrive. I guess that is one of the primary reasons that I am here in the United States, and at Penn Dental Medicine — to help achieve excellence. **PDJ**

Feature

SERVING THE UNDERSERVED:

Externships Take Students Far Afield for Learning, Service Opportunities

BY DEBBIE GOLDBERG

his past summer, while many of their Penn Dental Medicine peers were doing hospitalbased externships in Philadelphia and other typical locations, a handful of fourth-year dental students were traveling further afield - both in distance and culture - to provide care in underserved public health settings.

Joseph Foote (D'10), who grew up in the Philadelphia suburbs, wired shut the broken jaw of a woman beaten by her

husband in the southern African country of Botswana. Ann Layvey (D'10) traveled to the outer reaches of the U.S. and helped teach youngsters in Barrow, Alaska, about the benefits of preventive dental care. And Natalie Powell (D'10) worked in a clinic serving the Navajo community in the remote desert of Arizona, where poverty levels are high, she says, "and the sky is always blue."

What the three students came away with, besides the hospital-based experience

that is a requirement of the School's DMD program, is a deeper understanding of the dental care needs of isolated and impoverished communities in the U.S. and the world beyond, as well as what is likely to be a lifelong commitment to serve public health needs throughout their careers.

"I am interested in incorporating public health into my professional career, and this experience has increased my interest greatly," Layvey notes, reflecting on the two weeks she spent at the Alaska clinic.

All fourth-year dental students must complete four weeks of hospital-based training. This externship is designed to expose them to "the hospital environment and the role dentists play and how they interact with other health care providers in that setting," says Dr. Robert Collins (D'71),

Director of the Office of International Relations and the Division of Community Oral Health at the School of Dental Medicine. Many students fulfill this requirement nearby at the Hospital of the University of Pennsylvania, Children's Hospital of Philadelphia, and the VA Medical Center. Only a small number - about ten students in the current fourth-year class of about 140 students - use this opportunity to see what it is like to practice hospital-based dentistry in public health settings in poor, underserved communities through-

out the world.

Dr. Collins, who spent much of his career working for the Indian Health Service, the federal health program for American Indians and Alaska natives, is particularly supportive of students' desires to pursue this route, even for a few weeks. He believes interest is growing in this type of externship experience, and that those who do go influence others to do the same when they return to school and share their stories. In fact, soon after Foote returned

from Botswana, another dental student made plans to go there this coming December.

There is much value for students in these types of externships, Dr. Collins says, including exposure to a public health system of care that is focused on the health of all those in the community. In addition, they offer eye-opening experiences that may encourage them to consider different career options or ignite a lifelong commitment to service at various times throughout their careers.

As for Foote, Powell, and Layvey, all three say they valued their experience in these varied communities and came home with new insights. "I would definitely recommend this experience to other dental students," Powell says of her time serving the Navajo community.

"I would definitely recommend this experience to other dental students." NATALIE POWELL (D'10)



JOSEPH FOOTE IN BOTSWANA

It took Joseph Foote more than 30 hours to travel from Philadelphia to Gabarone, the capital of Bostwana — including a drive to New York, a flight to South Africa, and another plane to get to his final destination. When he arrived July 25 to start his work at Princess Marina Hospital, he became the first Penn Dental Medicine student to participate in an externship in that country.

Gabarone is a bustling city with fast food restaurants, bars, and movie theaters in a land-locked country of almost two million people in the middle of southern Africa. Yet, there is no dental school in Botswana – although Penn is currently helping to start its first medical school — and there is only one oral surgeon in the entire country.

During his two weeks at the Botswana hospital, Foote assisted in many surgical procedures, many of them needed to repair trauma from car accidents, alcohol-related injuries, and domestic abuse. One 24-year-old male who came to the hospital with a broken jaw had come home drunk and got in a fight with his landlord. "One punch broke his jaw," Foote notes. He wired jaws shut, did a lot of extractions, and performed a biopsy

on a patient who had cancer of the tongue. He also got to visit a game reserve in the Kalahari Desert. "I did a lot and learned a lot," Foote says of his time in Botswana.

Because the University of Pennsylvania has a well-established relationship with Botswana to help provide medical care and other services, Foote lived in Penn dorm-style housing while there. Living with medical and nursing students who were also working at the hospital at that time gave him insights into other aspects of medical care.

"It's a good way to see how other countries work and the type of care people receive," Foote says. In Botswana, there is the added challenge of providing care in a country that has one of the world's highest HIV/AIDS rates.

"People are really appreciative of the care," Foote says. He'll be serving for three years as a U.S. Army dentist when he graduates this spring, but in the future he can "see taking time when I'm practicing to do volunteer work."

ANNE LAYVEY IN BARROW, ALASKA

When Ann Layvey decided to fulfill her externship requirement at a clinic in Barrow, Alaska, little did she know she would be helping to identify I,500-year-old remains dug up from an archeological site that the sea was advancing upon. "I helped to i.d. the remains by the teeth of the people in the graves," she explains.



During her time in Barrow last July, Layvey worked in the Samuel Simmonds Memorial Hospital Dental Clinic, an Indian Health Service facility run by Penn Dental Medicine alumna Dr. Amanda Gaynor Ashley (D '99, GED '99). In a typical day, Layvey saw emergency cases, performed procedures such as composite and amalgam restorations, and applied fluoride treatments and sealants to childrens' teeth. There also was a focus on patient education and preventive care through outreach programs in schools and communities.

Dr. Ashley, who has been practicing dentistry in Barrow for IO years, says it is a remote and challenging experience for

the student externs. But while there, she says, "students can see how much of an impact one little clinic can have on a whole rural community." The clinic's service area is larger than the state of Minnesota.

"We can do all we can as professional dentists, but I think you have to educate your patients, that's the only way to reduce dental diseases," Layvey says, reflecting on her time in Barrow.

And, yes, it is cold in Alaska (from 25 to 50 degrees daily at the height of summer), food – which has to be flown in – is expensive, and routine dental hygiene often is lacking. Another thing Layvey noticed is the teeth of the native Inuit population are larger than those of people in the lower 48 – often, there are three or four roots for a tooth that would normally have two roots in say, a Philadelphian.

What else did Layvey take away from her externship in Barrow? "I'm interested in incorporating public health into my professional career and this experience increased my interest greatly," she said.

NATALIE POWELL IN FORT DEFIANCE, ARIZONA

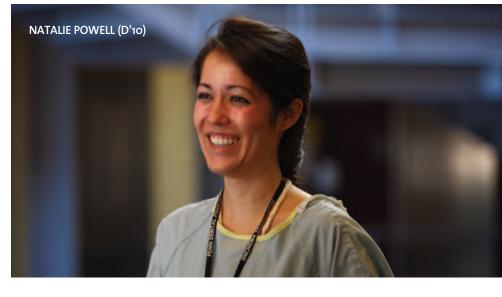
When Natalie Powell left West Philadelphia for her externship, she landed in the midst of a Navajo reservation in Fort Defiance, Ariz., an isolated community three hours from the nearest city of Albuquerque, N.M.

Working at the Indian Health Service-funded hospital from July 13-24, she was astonished at how much restorative work even the very youngest patients – some only two or three years old – needed. "It was amazing to see the level of child-

hood caries in the Navajo nation and the great need for dental care there," she notes.

At the hospital clinic, Powell was able to observe many types of procedures and assisted on amalgam restorations. She learned other important lessons as well. "Watching many of the dentists at the hospital has also taught me to concentrate on my personal skills, and that language should not be a barrier to good dental care," Powell explains.

During her time on the reservation, the isolation was challenging and she didn't have access to the modern



technology most of us take for granted, including television and internet access. But she was taken by the beauty of the desert, describing scenery "that cannot be seen elsewhere." And Powell found the Navajo people to be very friendly, as well as curious about the people visiting their reservation.

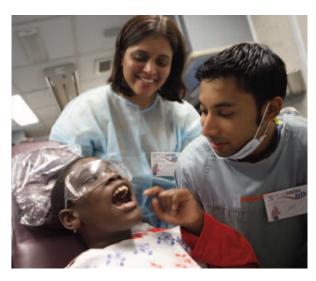
"Being in school, I think that it is easy for us to get stuck in a very narrow mindset," Powell says. Living among the Navajo, in a community with "a lot of poverty and the need for a great deal of elderly and childhood care, in particular," she says, has increased her interest in public health. PDJ

On Campus

NEWS

Community Oral Health Division Launches Sealant Program

On a summer morning of day camp at Rudolph Blackenburg Elementary School in West Philadelphia, there is a feeling of excitement in the building coming from the multipurpose room. Typically this kind of stir would be caused by the anticipation of a field trip; few would expect it to be about dentistry. This was the scene during a trial run of Penn Dental Medicine's Community Oral Health Sealant Pilot Program, a new school-based initiative to provide Philadelphia-area second-



The new sealant program will build upon the School's outreach initiatives with the Philadelphia School District, which include the Penn Smiles mobile clinic (above), dental screenings, and classroom education.

and sixth-grade students with preventive dental care through the application of dental sealants. A plastic material applied to the chewing surfaces of molars, sealants act as protective barriers to prevent dental decay.

Beginning in mid-November through March during the 2009-2010 academic year, approximately 120 children at Philadelphia's Bryant, Lea, and Wilson Elementary schools will receive care from Penn Dental

Medicine students. This is the initial phase of the portable, school-based program, with additional locations to be added in following years. "We have seen a fairly extensive need for restorative care in schools through our screening and dental treatment programs," says Dr. Robert Collins, Chief of the Division of Community Oral Health. "Penn Dental Medicine students will now have the opportunity to deliver preventive services within a school setting, in addition to coordinating and working closely with the nurses and Penn Dental Medicine

> faculty members." The overarching goal of the program is to improve the future of oral health in Philadelphia's communities by preventing dental decay in children.

Jill Ann Klischies, faculty instructor in the Division of Community Oral Health, is responsible for the primary planning and operation of the program. "The children were so excited to see us and very patient during treatment," she says.

Members of the Class of 2011, who will participate in the new sealant initiative, were

trained in the Division of Community Oral Health from late September through early October. The Sealant Pilot Program instruction also included learning to operate portable dental equipment, consisting of nonmotorized and fully-adjustable patient chairs, high-intensity halogen overhead lights, standard dental operating consoles, and stools. Sealant material was donated to the program by Medical Products Inc.

Each day the program operates, six dental students will be split between two operatories accompanied by two or three Penn Dental Medicine faculty members. Sealants take anywhere from 15-30 minutes to complete, and the program expects to treat between eight and 10 children during each school visit. Prior to any treatment, parents of children must grant permission, a process administered by the school nurses.

"This is a wonderful opportunity to take our services directly to children and for Penn Dental Medicine students to get a feel for how valuable their time and work is in local communities, especially when treating those with limited access to dental care," says Ms. Klischies. Dr. Xiaoxian Meng, Adjunct Professor of Community Oral Health, will also be evaluating the program along the way, providing a research aspect to the project.

"I hope the program underscores the importance of prevention to our students, giving them exposure to an additional component of dental community involvement, in addition to school screenings, serving on the Penn Smiles van, and classroom education programs," says Dr. Collins. "I think the Sealant Pilot Program reflects well our missions of education, research, and service at Penn Dental Medicine."

ASDA Chapter Honored at Annual Session

The Penn Dental Medicine Chapter of the American Student Dental Association (ASDA) received special recognition for several projects conducted during the 2008-09 academic year at the 39th ASDA Annual Session, held March 28 in Louisville, Ky. The awards included Best Newsletter in Competition, Honorable Mention for the Crest/Oral-B Community Dentistry Award, and Most Improved

Ideal ASDA Chapter. In addition, Melissa Pauli (D'10), the School's ASDA President at the time, received an award for Delegate of the Year in ASDA's third district.

The winning oPENN Wide is a redesigned and content-enriched Penn Dental Medicine student newsletter. It not only covers news and topics from within School with contributions from members of each class, but also highlights happenings within ASDA at a national level, keeping students informed about issues affecting dentistry and dental education.

"We believe students should be aware of the important topics in discussion nationally," says Ms. Pauli, who attended conferences throughout the year, returning with new subject matter to share with the student body. "The newsletter was a great way to communicate this information." Published twice a semester, oPENN Wide is co-edited by Laura Battaglia (D'11) and Prem Patel (D'10). ASDA's previous newsletter, Eruption, received the Distinguished Chapter Newsletter Award in 2007.

Penn Dental Medicine's ASDA chapter also received Honorable Mention for the Crest/Oral-B Community Dentistry Award, acknowledging their community outreach program with the Police Athletic League (PAL) of Philadelphia. Philadelphia's PAL is comprised of 27 centers, serving 26,000 children. Held November 18, 2008 at the Southwest Philadelphia center, the event aimed to increase awareness of oral and systemic health for underprivileged children through interactive exhibitions and hands-on activities. Organized by Anna Yuan (D'11), former Community Service Chair and newly-elected ASDA Alternate Delegate/Secretary, the event also included educational poster presentations by first- and second-year students, along with dental screenings performed by third-and fourth-year students. Children enrolled in the PAL after-school program at the Southwest site were invited to attend. ASDA students hope to make this an annual event.



Penn Provost Vincent Price (above) was among the guest speakers welcoming the Class of 2013 at the White Coat Ceremony.

Welcome Class of 2013

Penn Dental Medicine welcomed the Class of 2013 to the study of dental medicine with its annual White Coat Ceremony, held August 17 at the University's Zellerbach Theatre. Sponsored the Penn Dental Medicine Alumni Society, this annual tradition—now in its sixth year—holds symbolic significance for the incoming class as they declare their commitment to assume the responsibilities and obligations of the dental profession. This year's 116—member class includes 62 women and 54 men and represents 20 different states and six foreign countries (Canada, South Korea, St. Lucia, Trinidad, Ghana, and Azerbaijan). Four members of the freshman class are legacy students with relatives who are also Penn Dental Medicine graduates: Richard Clark, the cousin of Michelle Backhaus (D'03); Alexandra Hillyard, daughter of Gregory Hillyard (D'85); Joshua Levy, son of Joseph (D'79) and Lori Levy and nephew of Marc Weinberger (D'93); and Lea Planzos, daughter of Thomas Planzos (D'86).

Along with Penn Provost Vincent Price, remarks were presented by Morton Amsterdam Dean Denis F. Kinane, who welcomed his first incoming class as Dean (Dr. Kinane assumed the post of Dean July 1). Dr. Ronald Gutman (D'74), President of the Penn Dental Medicine Alumni Executive Committee, opened the program with welcoming remarks and Dr. D. Walter Cohen (C'47, D'50), Dean Emeritus, spoke on the history of Penn Dental Medicine. The presentation of the white coats was conducted by members of the Board of Overseers and the Penn Dental Medicine Alumni Society Executive Committee.

"It was a great honor to be recognized and to represent the School on a national level. More importantly, other members of the ASDA Board deserve the recognition for all of the hard work they put in throughout the year. None of this would have been possible without them," says Ms. Pauli on her Delegate of the Year Award for her work as President and the chapter's many accolades, including Most

Improved Chapter. This academic year, Ms. Pauli transitions into a past-President role, offering assistance where needed to the new President, Kimberly Farrell (D'11). "Being involved with ASDA has been a fantastic experience" says Ms. Pauli. "It really helps students see the importance of participating in organized dentistry as young members of the profession and prepares us for our future dental careers."

Outreach Programs Building Interest in Dental Careers

Sharing their time and wisdom, Penn Dental Medicine students and faculty are inspiring undergraduate and high school students to consider the career possibilities of dental medicine through two key programs—Penn's Summer Mentorship Program and the Student National Dental Association (SNDA) Impressions Program — both directed to underrepresented minority students.



Daniel Narain (D'11), President of the SNDA, (above), demonstrates how to make an impression with students here to explore the possibility of a dental career.

This summer, the School opened its doors to 10 students from Philadelphia high schools for the fourweek Summer Mentorship Program, which ran July 7 through August 5. Originating out of Penn's Office of the Vice Provost of University Life Equity and Access, the program is designed to expose motivated students to careers in education, engineering, law, and medicine as well as dentistry.

Professional schools from throughout the University participate in the program; this was the third year that Penn Dental Medicine took part. A full schedule of events, which ranged from lectures by faculty on various dental specialties and hands-on sessions in the preclinical labs to lessons in oral hygiene and oral cancer screenings, the program offered participants an indepth exposure to the dental profession and the educational path and resources

to pursue it. Participants were selected on the strength of their application and their interest in dental medicine.

"Our students really make this program such a success," says Pamela Beaty, who coordinates the program out of the School's Office of Minority Affairs. "They do a tremendous job in helping to organize the activities, and through their interaction with the participants, they are great role models." The student organizers this year were

Kehinde Ayoola (D'10), Ryan Choi (D'11), and Marisa Colas (D'11).

Also reaching out with the goal of encouraging minority students to pursue a career in dentistry is the School's SNDA chapter, which held its 2009 Impressions Program on May 9, hosting 22 students for a day of workshops and handson activities. The participants included 14 undergraduate students from Temple University

and eight high school students from the Achievement through Community Service, Education and Skill-building (ACES) program, run through Philadelphia's Please Touch Museum. The SNDA had established relationships with the participants through other ongoing outreach activities.

"In Fall 2008, SNDA began a mentorship program with Temple USNDA (minority undergraduate students who are interested in dentistry). In fact, 18 SNDA members are currently partnered with 18 Temple USNDA students," explains SDNA Vice President Ujval Gummi (D'11), who worked with SNDA President Daniel Narain (D'11) and Candace Whittington (D'11) to organize the 2009 Impressions Program (Mr. Narain and Ms. Whittington were both selected to receive the 2009 Colgate Bright Smiles, Bright Futures

Scholarship Award, in part through their work on the Impressions Program). The Temple undergrads have used the SNDA as a resource for advice on issues such as the application process, predental classes, and financial aid and have been invited to the School several times for tours and the Black History Month celebration. "We hope to continue this relationship especially as many of the Temple USNDA members are getting ready to apply to dental school," adds Mr. Gummi.

This past year, SNDA also began tutoring high school students at an after-school program that is part of the ACES program at the Please Touch Museum. "We wanted to make an impact on students before they entered college," notes Mr.Gummi, "and we decided that the ACES program was an excellent choice. So when we put the Impressions Program together, we invited them to be part of it as well." Looking ahead, he adds, "We plan on making the 2010 Impressions Program even better than this past year. We are going to expand the program and invite even more students to participate."

Penn Dental Hosts Hygiene Training

On July 16 through 19, Penn Dental Medicine welcomed the University of Pittsburgh and dental hygienists from throughout the state as hosts of Pittsburgh's "Train-the-Trainer Local Anesthesiology" course. Thirty-eight dental hygienists and four dentists participated in this four-day course in anticipation of legislation passing that will expand the function of dental hygienists in the Commonwealth of Pennsylvania to include the administration of local anesthesia. Among the attendees were six Penn Dental Medicine alumni: Charlene Fenster (DH'75), Beverly Hawkins (DH'75), Deborah Levin-Goldstein (DH'79), Karen Ponti (DH'78), Joanne Scorpio (D'85, GD'86), and Karen Smith (DH'52).

The course was designed to provide efficient and safe training to interested hygienists and the instructors of the Commonwealth's 11 dental hygiene programs so that they can adequately offer continuing education courses at their institutions, as well as provide competent training for dental hygiene students undergoing training in Pennsylvania. While the University of Pittsburgh organized and ran the course, Penn Dental Medicine oral surgery residents Drs. Michael Walker (GD'14) and Paul Deitrick (D'07, M'11, GD'14) and members of the Penn Dental Medicine faculty, including Drs. Elliot Hersh, Helen Giannakopoulos, and Lee Carrasco (GD'02), collaborated with the Pittsburgh faculty on the course instruction.

Research Retreat Puts Focus on Strategic Planning

The Penn Dental Medicine research enterprise was the focus this summer as faculty gathered for a planning retreat on June 19. Held at the Ace Conference Center in Lafayette Hills, Pa., it was the seventh annual research retreat for the School, attended by members of the full-time basic and clinical sciences faculty. Morton Amsterdam Dean Denis F. Kinane also took this opportunity to join the faculty a few weeks prior to his official start date of July 1 to share his views on research and hear theirs as well.

"The very first retreat in 2003 had the goal of developing a five-year plan to improve the Penn Dental Medicine research enterprise, and this year's had the same," says Associate Dean for Research Bruce Shenker. "We reviewed the goals we had set in 2003 and looked at where we were today based upon those and then asked the faculty to outline where they would like to go from here."

The faculty divided into three groups and were asked to discuss three key topics: what changes would lead to increased productivity in basic and



Congratulations Class of 2009

Penn Dental Medicine celebrated the accomplishments of the Class of 2009 with its 131st commencement ceremony on May 18. The University's historic Irvine Auditorium was once again the site of the ceremony with Dr. Donald F. Schwarz, Deputy Mayor of Health and Opportunity, and Health Commissioner for the City of Philadelphia, presenting this year's commencement address. According to the class members' self-reported plans after graduation, they are currently pursing the following paths:

Advanced Education in General						
Dentistry/General Practice Residency						
Armed Services/Foreign Military						
Endodontics Residency						
M.A. in Art History	1					
National Health Service Corps	2					
Oral & Maxillofacial Surgery Residency	6					
Orthodontics Residency	12					
Pedodontics Residency	8					
Private Practice	39					
Prosthodontics Residency	2					
Public Health	1					
Teaching	1					
TOTAL	132					

clinical research and extramural fundability, how they see translational research fitting into the School's research, and the role of students and residents in the research enterprise. After all three groups shared their recommendations in these areas, each group reconvened separately to identify and prioritize three to five recommendations and develop a plan for achieving them.

"We are now in the process of developing a report that captures the priorities and plans of all three groups," explains Dr. Shenker, "that will be our guide as we work with Dean Kinane to develop a five-year plan that moves our research enterprise forward in a way that is in line with the overall strategic goals of the School." At press time, that final report was nearing completion. While too early to report on specific initiatives that will be implemented as a result of this year's retreat, the date is already set for next year's. It will be held on June 18, 2010 and follow the scientific report model of the 2004-08 retreats, which were a combination of oral and poster presentations by faculty.

Penn Dental Medicine Students Serve as ASDA-ADA Externs

Two Penn Dental Medicine students participated in externships this summer at the American Student Dental Association (ASDA) and the American Dental Association (ADA) in Chicago during the month of July. Prem Patel (D'10) and Jamie Royal (D'10) were among six dental students chosen from a nationwide pool of applicants to contribute insight into the needs and interests of their peers, helping to encourage involvement in organized dentistry.

As a fourth-year ASDA member having attended annual sessions and meetings across the country, Mr. Patel became interested in the ASDA administrative extern opportunity to understand more about how the organization worked for students on a national level and to bring those ideas back to make Penn Dental Medicine's chapter stronger.

"It puts a different spin on the ASDA experience when you realize that your membership is part of a larger mission," he notes. "These are the people who are actually fighting to keep our profession alive." Mr. Patel's primary project was gathering information for a guidebook sent to students considering the profession, providing a resource for applying to dental schools, study recommendations, and other useful tips. In addition, both Penn Dental Medicine representatives participated in a number of focus groups, where members of ASDA and the ADA asked questions about new ways to reach dental students in an effort to increase membership and build a lasting connection with them.

With previous professional marketing experience, Ms. Royal was selected to serve as an ADA Membership Extern in the Department of Membership Marketing with the Association's Office of Student Affairs. There she contributed a number of ideas on how best to connect with and market to general dental students nationwide.

Ms. Royal also worked on a project for the national Committee on the New Dentist, an initiative which provides mentorship and advocates for young dental school graduates of IO years or less. She contributed input on ways to recruit involvement from new dentists transitioning from ASDA to the ADA. "The externship reinforced my desire to stay connected with organized dentistry in the future," she says. "I absolutely recommend that students get involved with the School's ASDA chapter early in their education. The information they will learn can be applied throughout dental school and during their careers."

Students Expand Research Experience with NIDCR

Penn Dental Medicine was well represented at the National Institute of Dental and Craniofacial Research (NIDC) this summer with three students from the School among the 10 chosen nationwide for the 2009 NIDCR Summer Dental Student Award. The Award program is designed to give talented dental students hands-on research experience and exposure to the latest advances in oral health research. Selected candidates are assigned to mentors who conduct research in the students' areas of interest. Participating from Penn Dental Medicine was:

· Rosa Mathai (D'12), who conducted research in the Craniofacial and Skeletal Diseases Branch (lab of Dr. Eva Mezey with Dr. Balazs Mayer, mentor). "Working in Dr. Mezey's lab enabled me to conduct novel research to determine therapeutic agents for some of the world's most pressing illnesses, such as obesity, sepsis, and a host of immunologicallytaxing diseases," says Ms. Mathai. "Furthermore, I had experience as an undergraduate differentiating mouse stromal cells, so it made sense to me to continue to hone those skills as well, especially as stromal cells are such a hot topic for biomedical research."



- · Alison Baraty (D'12), who worked in the Matrix and Morphogenesis Unit of the Craniofacial Developmental Biology and Regeneration Branch (Dr. Matthew P. Hoffman, mentor). "I've always had a heightened interest in developmental biology," says Ms. Baraty on her choice of placement within the NIDCR. In Dr. Matthew Hoffman's lab, she worked with fetal mouse submandibular salivary gland progenitor cells, studying their self-renewal capabilities through SCF/c-Kit signaling; she hypothesized that SCF/c-kit signaling regulates progenitor cell self-renewal and cell fate decisions during early development.
- · Alicia Estrella (D'12), who contributed to study in the Sjögren's Clinic within the Molecular Physiology and Therapeutics Branch (Drs. Gabor Illei and Ilias Alevizos, mentors). "My research project was to study the differential expression of microRNAs in specific cell types of minor salivary glands in patients with Sjögren's Syndrome (SS), a chronic, autoimmune disorder characterized by ocular and oral dryness," says Ms. Estrella. "Over expression of individual microRNAs can have severe physiological consequences in the immune system, and previous studies at the Sjögren's Clinic had identified several microRNAs as being differentially expressed in the minor salivary glands of SS patients. Yet, my goal was to look at the differential expression of microRNAs in ductal, acini, and lymphocytic cells."

On Campus

PEOPLE

Dr. Carolyn Gibson Receives Award for Distinguished Teaching

Dr. Carolyn Gibson, Professor of Anatomy and Cell Biology at Penn Dental Medicine, was selected as a 2009 recipient of the University of Pennsylvania's Christian R. and Mary F. Lindback Award for Distinguished Teaching. Established in 1961, the Lindback Award recognizes eight indi-



Dr. Carolyn Gibson

viduals annually, four within the health schools and four within the non-health schools, for their excellence in teaching at the University of Pennsylvania. This year's recipients

were honored at a reception for the University community on April 27 in Houston Hall.

Dr. Gibson has been a member of the School's faculty since 1986. A highly respected researcher in the area of molecular and genetic bases of tooth enamel formation, she was named the Distinguished Scientist in Oral Biology in 2004 by the International Association for Dental Research, and was the 2008 and 2002 recipient of the William J. Gies Award, presented annually by the International and American Associations for Dental Research in recognition of the best paper published in the Journal of Dental Research during the preceding year.

"More than just another professor at this school," in the words of a student government leader, she is—as course director of Histology and Embryology—one of the first faculty members encountered by new students, who praise not only her "extremely well-structured, clear, and informative" classes, but also her devotion to helping

them outside class. She "seems to always be thinking of the student in the context of her own research," notes one student, even as that research "has been revolutionizing the field of dental medicine for many years."

Candidates of the Lindback Award are nominated by members of the faculty and staff. Two separate committees, one for the health schools and another for the non-health schools, consisting of previous award winners and students, select the winners from the nominees.

New Standing Faculty Appointments

Penn Dental Medicine welcomes two new members to its full-time standing faculty—Dr. Joli Chou (MD'04, GD'07), as Assistant Professor of Oral and Maxillofacial Surgery/Pharmacology—Clinician Educator, and Dr. Claire Mitchell, as Associate Professor of Anatomy and Cell Biology. Dr. Chou, whose appointment was effective July 1, holds a BSc in molecular biology and genetics from the University of Toronto and earned her DMD from Tufts University in 2000 and her MD from Penn in 2004. She completed



Dr. Joli Chou (MD'04,

her Oral and Maxillofacial Surgery residency at Penn Dental Medicine in 2007 and a Craniomaxillofacial Surgery Fellowship at Charleston Area Medical Center, Charleston, W.Va. in 2009. In addition

to her clinical teaching responsibilities, Dr. Chou has an active practice at the Hospital of the University of Pennsylvania, Penn Presbyterian Hospital, and Children's Hospital of Philadelphia. Her research interests include facial trauma and dentofacial deformities.

Dr. Mitchell comes to Penn Dental Medicine from Penn's School of Medicine, where she was part of the Department of Physiology since 1999, first as Research Assistant Professor (1999-2006), and most recently, as Research Associate Professor (2006-2009). Dr. Mitchell's appointment was effective September 1. She holds a PhD in physiology from University College London, U.K., and earned a B.Sc. in neurobiology from McGill University,



Dr. Claire Mitchell

Canada. Dr. Mitchell also completed postdoctoral fellowships in the Department of Physiology at both Cardiff University, UK (1992-1995) and Penn's School of Medicine (1995-1999). Her teaching responsi-

bilities will include co-supervision of the physiology course in addition to multiple lectures in the course. Her research interests include pressuredependent neural signaling and lysosomal degradation.

Student Receives Research Scholarship Award

Penn Dental Medicine student Maria Velasco (D'10) was recognized for her research with the 2009 Colgate Research Scholarship Award, sponsored by the American Association of Women Dentists (AAWD). The scholarship was presented to IO third- and fourthyear dental students nationwide who have shown academic distinction and demonstrated excellence in research. Award applicants must be current dental students and members of the organization. The winners, who received a \$500 scholarship, were announced at the AAWD 88th Annual Meeting, held June II-I3 in Hilton Head, S.C.

Ms. Velasco currently serves as Co-President of the Vernon Brightman Research Society, the School's student research organization. Her primary research activities have involved a project with Dr. Sunday Akintoye, Assistant Professor of Oral Medicine, comparing the differentiation capacity into neurons of adult BMSCs derived from maxilla, mandible, and iliac crest bone. "The research suggests that maxillary and mandibular BMSCs could become neurons and potentially be used in the treatment of stroke, paresthesias, Parkinson's, and Alzheimer's disease," notes Ms. Velasco. "It will take a long time to extrapolate this data into clinical practice, but the first steps in the process have been taken."

Additionally, Ms. Velasco was selected to represent the School at the 45th Annual American Dental Association Dental Student's Conference on Research, held May 3-5 in Gaithersburg, Md. During the two-day session, she presented updates on her research project, Disparate Neuronal Differentiation of Human Orofacial and Axial Bone Marrow Stromal Cells: Clinical Implications, at the Paffenberger Research Center and the National Institutes of Health.

Oral Medicine Residents Recognized of Research

Two residents from Penn Dental Medicine's oral medicine postdoctoral program have been recognized for their research—Dr. Paola Higham (GD'10), as the recipient of a 2009 Sjögren's Syndrome Foundation Fellowship grant, and Dr. Maria Arava-Parastidis (GD'09), who received the 2009 American Academy of Oral Medicine Lester Burket Memorial Award.

Dr. Higham was one of four recipients nationwide to receive a Sjögren's Syndrome Foundation Fellowship, which are awarded annually to medical, dental, and PhD students working on a research project in Sjögren's Syndrome (SS), an autoimmune disease characterized by the destruction and dysfunction of exocrine glands. Significant



OKU officers and the 2009 inductees at Senior Farewell in May.

2009 OMICRON KAPPA UPSILON INDUCTEES

Members of Penn Dental Medicine's graduating class were inducted into the Omicron Kappa Upsilon National Dental Honor Society (OKU) during the Senior Farwell ceremony, held May 12. Established to promote and recognize scholarship and character among students of dentistry, the society selects a number of graduates constituting not more than 12 percent of the entire class from a list of at least the upper 20 percent based on scholarship, exemplary traits of character, and potential qualities of future professional growth. The 2009 OKU inductees include: Siavash Eftekhari, Bibiana Ezeanolue, Brian P. Ford, Vrishali Gujar, Christopher J. Hall, Marc R. Hayashi, Henna Kim, Stephanie A. Klassner, Mohammad I. Okasha, Debbie M. Parnes, Evan Shaw, Andrew R. Steinkeler, Hamed Vaziri, Bryon J. Viechnicki, Steven W. Wang, and Qian Zhang. The Society also presented the Dr. William S. Kramer Award of Excellence, given to a rising junior student who has demonstrated scholarship, character, and the potential promise for advancement of dentistry, and service to humanity to Julee C. Plastow (D'10). Additionally, Dr. Margrit Maggio (D'87), Assistant Professor of Restorative Dentistry-Clinician Educator in the Department of Preventive and Restorative Sciences, was recognized with a Dental Faculty Honorary Award and Regina Diamond, Supervisor of Patient Care and Education Services, received a Non-Dental Faculty Honorary Award.

complications in SS include xerostomia (dry mouth) and keratoconjunctivitis sicca (dry eyes). Dr. Higham's clinical and research interests are the treatment of xerostomia and salivary gland abnormalities, including infectious and autoimmune disorders like SS. Through this Fellowship, she is working on a project exploring the longitudinal changes in oral health quality of life in patients diagnosed with SS and treated

with therapy that increases salivary flow.

Dr. Arava-Parastidis received the Lester Burket Award during the American Academy of Oral Medicine Annual Meeting, April 29 - May 2, in Miami, where she also presented her research. The Burket Award-created to honor the memory of Dr. Lester Burket, former Penn Dental Medicine Dean and pioneer in the field of oral medicine-promotes basic and

clinical research in oral medicine. Residents/fellows of American Academy of Oral Medicine-accredited oral medicine training programs nationwide are eligible for the Award, which recognizes significant thesis-level research. Dr. Arava-Parastidis' research project was titled "Alpha Lipoid Acid in Burning Mouth Syndrome: A Meta-Analysis." Both Drs. Arava-Parastidis and Higham conducted their research in collaboration with Dr. Andres Pinto, Assistant Professor of Oral Medicine-Clinician Educator.

Oral Health Fair Research Awardees

Penn Dental Medicine students competed for and received top honors for their research poster presentations at the School's 18th Annual Oral Health Fair and Table Clinic, held April 23 in the Robert Schattner Center Henry Schein Atrium. Presented by the Vernon J. Brightman Research Society (UBRS), the event celebrates Penn Dental Medicine's long-standing tradition of excellence in student research with the guidance of faculty mentors.

A team of independent faculty judges selected the following winners from the group of 12 participants: Raymond P. Shupak (D'11) received first place for his poster presentation, Characterization of Type III Collagen Deficient Murine Incisors, working with preceptor Dr. Pamela S. Howard, Research Associate Professor of Anatomy and Cell Biology. As the first place winner, Mr. Shupak represented Penn Dental Medicine in the 50th Annual ADA/DENTSPLY Student Clinician Research Program, which showcases outstanding student research projects from dental schools across the country and the work of winning international student clinicians. The Program was part of the 150th ADA Annual Session, held in Honolulu, Hawaii, September 30-October 4.

Second place was awarded to Raha Ghafurian (D'10) for her presentation titled Patients' Understanding of Informed Consent, with the assistance of preceptor Dr. Joan Gluch, Director of Community Health. Ms. Ghafurian represented the School at the Hinman Student Research Symposium, a national event that features oral and poster presentations of research studies by dental students and graduate trainees, held October 30–November 1 in Memphis, Tenn. Anu Bhalla (D'11) received third place with her poster,

TNF-a Enhances Neural Differentiation of Human Mandible Bone Marrow Stromal Cells, with preceptors Monika Damek-Poprawa, Research Associate in the Department of Microbiology and Dr. Sunday Akintoye, Assistant Professor of Oral Medicine.

Seven Penn Dental Medicine students also gave poster presentations on their outreach activities, competing for a Community Health Award. Stephanie Shinmachi (D'11) was selected as this year's recipient for her work as part of a Bridging the Gaps program at The Consortium, a nonprofit community mental health center. She helped to develop and implement health promotion programs at two Consortium sites. "I worked with psychiatric patients to increase their well-being and health knowledge," says Ms. Shinmachi. "I treasured my experience working with this population that is often discriminated against and ignored by society."

Endo Residents Take Top Honors

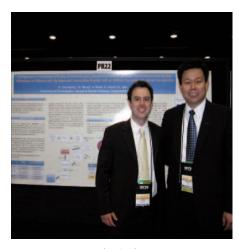
Two recent residents of Penn Dental Medicine's postdoctoral program in endodontics — Drs. Derrick Wang (GD'09) and Brian Greenberg (GD'09) — took first place for their research poster presentation at the 2009 American Association of Endodontists (AAE) Annual Session, held in Orlando in April.

Their research was a prospective randomized double-blinded study to compare the anesthetic efficacy of 1.8 ml 4% articaine with 1:100,000 epinephrine and 1.8 ml of 2% lidocaine with I:100,000 epinephrine in mandibular molars with irreversible pulpitis. Both Drs. Wang and Greenberg conducted the clinical trials with the late Dr. Mian Igbal, former Director of the Endodontic Postdoctoral Program, serving as principal investigator. Dr. Elliot Hersh, Professor of Pharmacology, was co-principal investigator and Dr. Andres Pinto, Assistant Professor of Oral Medicine-Clinician Educator, assisted in the statistical analysis.



Left to right: Anu Bhalla (D'11), Raymond P. Shupak (D'11); VBRS Co-President Heather Desh (D'10); faculty advisor Dr. Francis Mante; VBRS Co-President Maria Velasco (D'10); and Dr. Signe Jonsonn-Brightman, the widow of Dr. Vernon Brightman.

Penn Dental Medicine endodontics residents presented a total of four posters at the AAE Annual Session; among the other presenters were **Drs**. Spyridon Floratos (GD'10), Adam Gatan (GD'09), Yu Kai Hsu (GD'09), Heejin Kim (GD'09), and Labib Soliman (GD'09).



Dr. Brian Greenberg (GD'09) and Dr. Derrick Wang (GD'09)

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New Administrative Appointments

Penn Dental Medicine announces two new administrative appointments — Dr. Uri Hangorsky as Associate Dean for Academic Affairs, and Dr. Joan Gluch (GD' 92) as Associate Dean for Academic Polices. Both appointments were effective September 8 and both are positions with new areas of administrative responsibility within the School.

In his new post, Dr. Hangorsky will have oversight of the academic/student service divisions within the School, including academic affairs, student affairs, and admissions. These areas



Dr. Uri Hangorsky

of responsibility reflect an expansion of this associate deanship and a change within the School's administrative structure that merges the offices of Student Affairs, Academic Affairs, and Admissions into a single unit to

better serve and manage students' academic needs. The current administrators and staff within each of these offices will remain the same.

Dr. Hangorsky, who is also Clinical Professor of Periodontics, is a longtime member of the Penn Dental Medicine community, first joining the faculty in 1980 and having held major teaching, clinical, and administrative responsibilities throughout his time with the School. Most recently, he served as Associate Dean for Clinical Affairs (2004-2009) and was Director of Predoctoral Periodontics from 1998 to 2004. Since 2004, he has also held the position of Director of the Program for Advanced Standing Students – a role he will maintain.

Among his teaching awards were the University of Pennsylvania's Provost Award for Distinguished Teaching (2002), Penn Dental Medicine's Graduate Periodontics Outstanding Teaching Award (1991), and the School's Joseph L.T. Appleton Award

for excellence in clinical teaching. Dr. Hangorsky holds a DDS from Columbia University Dental School and his MS in periodontics from Case Western University.

In her position as Associate Dean for Academic Policies - a new associate deanship for the School - Dr. Gluch will ensure the School's compliance with the required standards of the Commission on Dental Accreditation (CODA) for both the predoctoral and postgraduate dental education programs. Dr. Gluch will work in an integrative role with the other associate deans and the graduate program directors on specific projects to evaluate and improve operations and policies at the School.

Dr. Gluch, who served as Acting Associate Dean for Academic Affairs from 2008 - 2009, has been a member of the Penn Dental Medicine faculty since 1991. Currently an Adjunct Associate Professor in the Division of Community Oral Health, she will maintain her position as Director of



Dr. Joan Gluch (GD'92)

Community Health within that Division, a post she has held since 2001. Since 2002, she also has been a Senior Fellow with the University of Pennsylvania's Leonard Davis Institute of Health Economics, and since 2008 she has

served as an Associate Fellow with the University's Center for Public Health Initiatives. Dr. Gluch holds a PhD from the University of Pennsylvania and an EdM from Temple University.

"I am looking at the School's administrative structure to build systems that will best serve our students and ensure we are maintaining strength across all academic disciplines," says Morton Amsterdam Dean Denis Kinane. "With these two appointments, Drs. Hangorsky and Gluch will be a crucial part of that process."

Scholarly Activity

Awards & Achievements

Dr. Sherrill Adams, Professor of Biochemistry

 Named Past Chair, Faculty Senate, University of Pennsylvania, May 2009.

Dr. Markus Blatz, Chair and Professor of Preventive and Restorative Sciences-Clinician Educator

- Recipient of the 2009 Arthur R. Frechette Research Award (Co-author), presented at the International Association for Dental Research (IADR) Annual Session, April 2009.
- Recipient of the Bronze Award in the 2009 Independent Publisher Book Awards for Aesthetic & Restorative Dentistry: Material Selection & Technique, Terry DA, Leinfelder KF, Geller W (Editors); Blatz MB (Scientific Editor/ Co-author), Everest Publishing Media, 2009.
- Completed the written and oral requirements for habilitation and awarded the "venia legendi" from the Albert-Ludwigs University School of Dental Medicine in Freiburg, Germany (Dr. Blatz holds an adjunct faculty appointment with Albert-Ludwigs. In Germany, habilitation is the highest academic qualification a person can achieve by their own pursuit.)

Dr. Robert Carney, Clinical Associate of Preventive and Restorative Sciences

 Recipient of the Award for Outstanding Service to Students, presented by the Executive Student Council.

Dr. Walter Cohen (C'47, D'50),

Professor Emeritus of Periodontics

 Awarded Doctor of Science, Honoris Causa, Drexel University, May 2009; and Doctor of Hebrew Letters, Honoris Causa, Gratz College, May 2009. **Dr. Carolyn Gibson,** Professor of Anatomy and Cell Biology

 Recipient of the 2009 Christian R. and Mary F. Lindback Award for Distinguished Teaching, presented by the University of Pennsylvania, April 2009.

Dr. Elliot Hersh, Professor of Oral Surgery and Pharmacology

 Recipient of the 2009 Basic Science Award, awarded for excellence in teaching within the basic sciences, presented by the Class of 2009, May 2009.

Dr. Nathan Kobrin, Director of Preclinical Lab and Clinical Associate Professor in the Department of Preventive and Restorative Sciences

Recipient of the 2009 Robert E.
 DeRevere Award, awarded for excellence in preclinical teaching by a part-time faculty member, presented by the Class of 2009, May 2009.

Dr. Arthur Kuperstein, Assistant Professor of Oral Medicine-Clinician Educator

Recipient of the 2009 Senior
 Outstanding Teaching Award,
 awarded to a faculty member
 who has gone beyond the scope
 of his/her responsibilities to
 significantly impact the class's
 education at Penn Dental
 Medicine, presented by the
 Class of 2009, May 2009.

Dr. Barry Levin, Clinical Associate Professor of Periodontics

- Presented "A Retrospective Study of 234 Consecutive Implants Placed with Augmentation Using a Synthetic, Bi-Phasic Calcium Phosphate Bone Graft" at Europerio 6, Clinical Research Forum, in Stockholm, Sweden, June 2009.
- Presented above study and "A Retrospective Study of 30 Consecutive Immediately-placed, Immediately-temporized Implants in the Esthetic Zone" at Dutch and Belgian International Team for Implantology, Amsterdam, Holland, June 2009.

Dr. Margrit Maggio (D'87),

Assistant Professor of Restorative Dentistry-Clinician Educator

Recipient of the 2009 Earle
Bank Hoyt Award, awarded for
excellence in teaching to a Penn
Dental Medicine graduate who
is a full-time junior faculty
member, presented by the Class
of 2009, May 2009.

Dr. Burton L. Nussbaum, Clinical Professor of Pediatric Dentistry

 Presented "What the Patient Needs to Know about Surgery and Anesthesia" at meeting of the Canadian Fibrodysplasia Ossificans Progressiva Association, May 2009, and at the Young Adult Meeting of the same association, San Diego, Calif., August 2009.

Dr. Scott Odell (D'82), Clinical Assistant Professor of Oral Medicine

- Recipient of the Award for Outstanding Service to Students, presented by the Executive Student Council.
- Recipient of the 2009 The Joseph L. T. Appleton Award, awarded to a part-time faculty member for excellence in clinical teaching, presented by the Class of 2009, May 2009.

Dr. Andres Pinto (D'99, GD'01, Gr'07, M'10), Assistant Professor of Oral Medicine-Clinician Educator

 2009 Alumni Inductee, Beta Nu Chapter, Delta Omega Honorary Society in Public Health, University of Pennsylvania, September 2009.

Dr. Jeffrey Rosen (D'77), Clinical Associate Professor of Preventive and Restorative Sciences

 Delegate, ADA Evidenced-Based Dentistry Conference, June 2009.

Dr. Peter Quinn (D'74, GD'78),

Schoenleber Professor of Oral and Maxillofacial Surgery, Penn Dental Medicine; Vice Dean for Professional Services, School of Medicine, and Senior Vice President of the Health System, University of Pennsylvania

 Named president of the American Society of Temporomandibular Joint Surgeons, 2009-2011 term

Selected Publications

A selection of recently published work by Penn Dental Medicine faculty and members of their labs (all indicated in bold).

Balasubramaniam R, Alawi F,

DeRossi S. Superficial mucoceles in chronic graft-versus-host disease: A case report and review of the literature. Gen Dent. 2009;57(1):82-8.

Barton ER. Preclinical development of a new drug to treat duchenne muscular dystrophy patients with premature stop codons. Journal of Pharmacological Sciences. 2009;109:21P.

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Blatz MB, Phark J-, Ozer F, Mante FK, Saleh N, Bergler M, et al. In vitro comparative bond strength of contemporary self-adhesive resin cements to zirconium oxide ceramic with and without air-particle abrasion. Clin Oral Invest. 2009:1-6.

Boesze-Battaglia K, Brown A, Walker L. Besack D. Zekavat A.

Wrenn S, et al. Cytolethal distending toxin-induced cell cycle arrest of lymphocytes is dependent upon recognition and binding to cholesterol. J Biol Chem. 2009;284(16):10650-8.

Chou AI, **Akintoye SO**, Nicoll SB. *Photo-crosslinked alginate hydrogels support enhanced matrix accumulation by nucleus pulposus cells in vivo.*<u>Osteoarthritis Cartilage</u>. 2009, Oct; 17(10): 1377-84. [Epub ahead of print].

Corrente G, Abundo R, des Ambrois AB, Savio L, Perelli M. Short porous implants in the posterior maxilla: A 3-year report of a prospective study. Int J Periodontics Restorative Dent. 2009 Jan-Feb;29(1):23-9.

Damek-Poprawa M, Diemer T, Lopes VS, Lillo C, Harper DC, Marks MS, et al. Melanoregulin (MREG) modulates lysosome function in pigment epithelial cells. J Biol Chem. 2009;284(16):10877-89.

Floriano PN. Christodoulides N. Miller CS, Ebersole JL, Spertus J, Rose BG, Kinane DF, et al. Use of saliva-based nano-biochip tests for acute myocardial infarction at the point of care: A feasibility study. Clin Chem. 2009 Aug;55(8):1530-8.

Gallucci GO, Doughtie CB, Hwang JW, **Fiorellini JP,** Weber H-. *Five-year* results of fixed implant-supported rehabilitations with distal cantilevers for the edentulous mandible. Clin Oral Implants Res. 2009;20(6): 601-7.

Garcia CA, Wang H, Benakanakere MR, Barrett E, Kinane DF, Martin M. c-jun controls the ability of IL-12 to induce IL-10 production from human memory CD4+ T cells. J Immunol. 2009 Oct 1;183(7):4475-82.

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Greenberg JR. Full-face images. J Am Dent Assoc. 2009;140(2):147.

Guan H, Williams JF, Ricciardi RP. Induction of neuronal and tumorrelated genes by adenovirus type 12 E1A. J Virol. 2009;83(2):651-61.

Gumus P, Buduneli N, Cetinkalp S, Hawkins SI, Renaud D, Kinane DF, et al. Salivary antioxidants in patients with type 1 or 2 diabetes and inflammatory periodontal disease: A casecontrol study. <u>J Periodontol</u>. 2009 Sep;80(9):1440-6.

Hannah BP, Cairns TM, Bender FC, Whitbeck JC, Lou H, Eisenberg RJ, et al. Herpes simplex virus glycoprotein B associates with target membranes via its fusion loops. J Virol. 2009; 83(13):6825-36.

Hatakeyama J, Fukumoto S, Nakamura T, Haruyama N, Suzuki S, Hatakeyama Y, Shum L, Gibson CW, et al. Synergistic roles of amelogenin and ameloblastin. J Dent Res. 2009 APR;88(4):318-22.

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Hendler BH, Quinn PD. University of Pennsylvania oral and maxillofacial surgery training program. J Oral Maxillofac Surg. 2009;67(5):937-42.

Hobson GM, Gibson CW, Aragon M, Yuan Z, Davis-Williams A, Banser L, et al. A large X-chromosomal deletion is associated with microphthalmia with linear skin defects (MLS) and amelogenesis imperfecta (XAI). American Journal of Medical Genetics Part A. 2009 Aug;149A(8): 1698-705.

Karabucak B, Setzer FC.

Conventional and surgical retreatment of complex periradicular lesions with periodontal involvement. J Endod 2009 Sep;35(9):1310-5.

Kobayashi K, Blatz MB, Saito A, Koizumi H, Matsumura H. Influence of priming agents on the short-term bond strength of an indirect composite veneering material to zirconium dioxide ceramic. Quint Int. 2009; 40(7), 545-551.

Kuperstein AS, Shaw RP, Springer PS, Alawi F, Stoopler ET.

A multilocular radiolucency of the mandible. J Am Dent Assoc. 2009 AUG;140(8):1001-3.

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Rocchietta I, Fontana F, Addis A, Schupbach P, Simion M. Surfacemodified zirconia implants: Tissue response in rabbits. Clin Oral Implants Res. 2009;20(8):844-50.

Sathish N, Zhu FX, Yuan Y. Kaposi's sarcoma-associated herpesvirus ORF45 interacts with kinesin-2 transporting viral capsid-tegument complexes along microtubules. PLoS Pathog. 2009;5(3).

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Shao Y, Czymmek KJ, Jones PA, Fomin VP, Akanbi K, Duncan RL, et al. Dynamic interactions between L-type voltage-sensitive calcium channel Cav1.2 subunits and ahnak in osteoblastic cells. Am J Physiol Cell Physiol. 2009;296(5).

Song J-, Stefanik D, Damek-Poprawa M, Alawi F, Akintoye SO.

Differentiation and regenerative capacities of human odontomaderived mesenchymal cells. <u>Differentiation</u>. 2009;77(1):29-37. Srinivas SK, Sammel MD, Stamilio DM, Clothier B, Jeffcoat MK, Parry S, et al. Periodontal disease and adverse pregnancy outcomes: Is there an association? Am J Obstet Gynecol. 2009;200(5): 497.e1-497.e8.

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Weisgold AS. It depends on when you take the picture. Int J Periodontics Restorative Dent. 2009 Jun;29(3):241-.

Wright JT, Hart TC, Li B, Gibson CW, et al. Human and mouse enamel phenotypes resulting from mutation or altered expression of AMEL, ENAM, MMP20 and KLK4. Cells <u>Tissues Organs</u>. 2009; 189: 224-229.

Yu V, Damek-Poprawa M, Nicoll SB, **Akintoye SO.** *Dynamic hydrostatic* pressure promotes differentiation of human dental pulp stem cells. Biochem Biophys Res Commun. 2009;386(4):661-5.

Grants

Recently awarded research grants.

Department of Anatomy & Cell Biology

Enamel Mineral Formation During Murine Odontogenesis

9/1/2009–1/31/2013 Funding Source: National Institute of Dental and Craniofacial Research/NIH/DHHS Principal Investigator: Carolyn W. Gibson, Professor of Anatomy & Cell Biology

Identification of Mechano-Sensors to Protect Against Skeletal Muscle Atrophy

Funding Source: National
Aeronautics and Space
Administration
Principal Investigator: Elisabeth R.
Barton, Assistant Professor of
Anatomy & Cell Biology

The Role of the C-Terminus of Amelogenen in Enamel Structure

7/1/2009–6/30/2012 Funding Source: National Institutes of Health

Principal Investigator: Megan Pugach, Postdoctoral Researcher

Department of Biochemistry

Integration of Signaling Pathways Regulating Chondrocyte Differentiation

7/17/2009–6/30/2011 Funding Source: National Institutes of Health Principal Investigator: Sherrill L. Adams, Professor of Biochemistry

A Role for Melanoregulin in RPE-mediated Phagocytosis

8/1/2009–7/31/2010 Funding Source: National Institutes of Health Principal Investigator: Kathleen Boesze-Battaglia, Associate Professor of Biochemistry

Department of Microbiology

Therapeutics that Target Processivity Complex Proteins of Pox and other Viruses

5/1/2009–4/30/2014 Funding Source: National Institutes of Health

Principal Investigator: Robert P. Ricciardi, Professor of Microbiology

Developing Therapeutics to Prevent KSHV Malignancies Associated with AIDS

3/1/2009–11/30/2009
Funding Source: Abramson Cancer
Center (an NIH-sponsored pilot)
Principal Investigator: Robert P.
Ricciardi, Professor of Microbiology

Department of Pathology

Adapter Molecules on C3a Receptor Signaling in Mast Cells 9/14/2009–8/31/2010 Funding Source: National Institutes of Health

Principal Investigator: Dr. Hydar Ali, Associate Professor of Pathology

Novel Pathways of HAARTmediated Neuronal Toxicity in the Central Nervous System

5/5/2009–4/30/2011 Funding Source: National Institute of Mental Health/NIH/DHHS Principal Investigator: Kelly L. Jordan-Sciutto, Associate Professor of Pathology

Role of Cell Cycle Proteins in HIV Encephalitis

9/17/2009–6/30/2014 Funding Source: National Institutes of Health Principal Investigator: Kelly L. Jordan-Sciutto, Associate Professor of Pathology

Department of Periodontics

A Clinical Study to Assess the Efficacy of Oral Care in the Control of Type II Diabetes

6/17/2009–6/30/2010 Funding Source: Proctor & Gamble Company Principal Investigator: Marjorie K. Jeffcoat, Professor of Periodontics

2010 ALUMNI AWARD OF MERIT NOMINATIONS SOUGHT

Nominations are being sought for recipients of the 2010 Alumni Award of Merit, which will be presented during Alumni Weekend 2010, May 14–15.

The Alumni Award of Merit recognizes love for and loyalty to the School of Dental Medicine, excellence in the profession of dentistry, and community involvement. The award is given to those graduates who have maintained their ties with the School through their support of alumni activities, who have demonstrated leadership in the dental profession, and who have fostered and maintained the ideals that the School of Dental Medicine has stood for since its founding.

Members of the Alumni Society Executive Committee will select the recipients from the pool of nominees. No more than five persons per year shall be honored with the Alumni Award of Merit.

Nominations are due no later than DECEMBER 31, 2009.

For more information or if you have any questions, please contact the Office of Development and Alumni Relations, 215-898-8952. For a list of previous Alumni Award of Merit recipients, please visit www.dental.upenn.edu/alumni/awards.html.

Please send nomination letters to:
Mary McCarron
Office of Development and Alumni Relations
Robert Schattner Center
University of Pennsylvania
School of Dental Medicine
240 South 40th Street
Philadelphia, PA 19104-6030

Philanthropy

HIGHLIGHTS

The Clement C. and Sandra K. Alpert Scholarship: Supporting Students Today and For Generations to Come

By Jennifer Baldino Bonett

Alysa Donaldson (D'11) was a successful high school science teacher when she set out to pursue a dream - to combine teaching with patient care. In 2007, she left her classroom at Upper Dublin High School in Fort Washington, Pa., for the halls of academe at Penn Dental Medicine. "The School interested me because of its great reputation as a strong academic institution, the world-renowned faculty in both basic science and clinical dentistry, and the opportunity to be involved in unique experiences as a dental student," says Ms. Donaldson. In addition to her full roster of classes and clinics, Ms. Donaldson is a member of Penn Dental Medicine's curriculum committee and served on the search committee for the new dean of Penn Dental Medicine. Her clear potential and work ethic made Ms. Donaldson an ideal candidate for the Clement C. and Sandra K. Alpert Scholarship.

Dr. Clement Alpert (C'32, D'34) and his wife Sandra endowed the scholarship fund to annually award financial support to second-year students who demonstrated financial need and the drive and commitment to excel. "By the second year," says Dr. Alpert, "it's clear whether the student is going to continue in his or her studies at the School, and it's clear whether the student is showing strong potential." The one-year scholarship contributes to a portion of tuition, with Dr. Alpert's intention to "help out as many students as we can" as the fund grows.

First awarded in the 2006-07 academic year, the Alpert Scholarship already has assisted five Penn Dental students: It was awarded to one student



Heather Desh (D'10), Alysa Donaldson (D'11), and Andrey Rossius (D'11) are among the five students to date to be awarded Alpert Scholarships.

the first year (\$15,000 to Siavash Eftekhari) and to two students each subsequent year, with each student receiving a \$10,000 scholarship. The recipients in 2007-08 were Heather Desh (D'10) and Melinda Tsai (D'10) and Andrey Rossius (D'11) and Ms. Donaldson in 2008-09. For academic year 2009-10, two students again will receive Alpert scholarships of \$10,000 each. The awardees had not yet been selected at press time.

Ms. Donaldson calls it "an amazing honor to be recognized in the name of Dr. Alpert, an amazing clinician and educator. Dr. Alpert continued to influence the way dentistry is taught throughout his career. He is an incredible role model ... and he inspires me to strive toward reaching my professional goals."

The son of a tailor and a seamstress

— both immigrants from Eastern

Europe — Clement Alpert grew up in

Lakewood, N.J., and knew by the time he was in high school that he wanted to pursue dentistry. Dr. Alpert describes himself as being "a quiet and serious young man" at Penn Dental Medicine, and he graduated near the top of his 1934 class. Dr. Alpert's first two years of practice were spent at Camp Dix (now McGuire Air Force Base). There, he served as a dentist in the U.S. Army Station Hospital, in the role of 1st Lieutenant in the Dental Corps Reserve, and also as the Camp's civilian dentist.

In 1937, Dr. Alpert started working in a private practice in general dentistry in Washington, D.C., with his first office above a hat shop. He trained with a mentor in crown and bridge work, and became known as one of the "gold men" in Washington for his expert use of the precious metal, then an innovation in dentistry. In 1947, he opened his office near DuPont Circle, where he practiced until 1991. He then partnered with Dr. Raymond



Murakani. Their patients included many high-level government and international officials in Washington. Long interested in licensure, Dr. Alpert co-founded the Northeast Regional Board of Dental Examiners, who honored him for his 40 years of contributions. Throughout his career, Dr. Alpert has taught and mentored, including making a teaching video on inlay construction for Penn Dental Medicine in 1983.

Dr. Alpert represents the leader-ship principles that drew scholarship winner Andrey Rossius, (D'11) to Penn Dental Medicine. Mr. Rossius is a Soviet émigré from Moscow who earned his BS in neuroscience and behavior from Columbia University in 2007. The aspiring oral and maxillofacial surgeon considers Penn Dental Medicine "a compelling intellectual and creative enterprise ... where students not only pursue knowledge but lead the way."

Dr. and Mrs. Alpert (left) took part in the Alumni Weekend 2009 Parade, when they returned to celebrate Dr. Alpert's 75th year reunion. The Alpert family has many Penn alums, including the Alperts' son Brian Madden (C'71), daughterin-law Judy Levanthal (CW'71, GRD'06), son Jonathan Alpert (C'88), son-in-law Alan Sorcher (C'80), and grandsons Michael Madden (C'98) and David Madden (C'01).

Of his years at Penn Dental Medicine, Dr. Alpert, recipient of the Alumni Award of Merit in 1983 and a long-time supporter of the School, recalls "very wonderful memories of friendships and fellow students and all the experiences you have when you're in college. The school was a beautiful place."

As an alumnus, Dr. Alpert contributes generously to the growth of the School. The student recipients of the endowed scholarship consider it a mitzvah — a good deed — inspired by Dr. Alpert's Jewish heritage and the charitable contributions of his family when he was growing up in Lakewood. He came of age in a time when neighbors helped neighbors and when individuals contributed in large measure to their community. In this tradition, Dr. Alpert is active in his synagogue, charitable organizations, and his alma mater. He has served as his class representative "forever," he says, and at the 2009 Alumni Weekend in May, Dr. Alpert and his wife returned to Penn Dental Medicine for his 75th reunion year.

The Alpert Scholarship is indeed a mitzvah for Heather Desh (D'11). Ms. Desh, who plans to go on to specialize in orthodontia, says, "I consider myself very lucky to have received this scholarship. It has allowed me to reduce the amount of loans I am taking out in order to help me pursue my career. I can't express how much I appreciate the generosity of Dr. and Mrs. Alpert in helping me to afford dental school and ultimately achieve my academic goals."

School of Dental Medicine Endowed Scholarship Funds

Opening the door to a Penn Dental Medicine education can change lives. A scholarship helps to support a lifetime of intellectual richness, career opportunities, and broadened horizons. The endowed scholarships listed below are already enriching the field of dental medicine. Through *Leading the Profession*, the School's part of Making History: The Campaign for Penn, Penn Dental Medicine aims to raise \$4.5 million to create more endowed scholarships for financial aid for exceptional students.

Clement C. and Sandra K. Alpert Scholarship Robert Baker Scholarship Lester W. Burket Scholarship Dr. John G. and Lucia Stolp Carr Scholarship Chace Scholarship Cheung Family World Scholar Class of 1955 Dental School Scholarship Class of 1965 Dental 25th Reunion Scholarship Class of 1966 Dental 25th Reunion Scholarship Class of 1971 Endowed Scholarship Class of 1982 Endowed Scholarship Cogswell Scholarship Anna and Clayton W. Conklin Scholarship Samuel Cooper Memorial Scholarship J. George Coslet Scholarship James A. Crosier Scholarship Lenore and George Feldman Scholarship Fordham Family Endowed Scholarship Harry and Velma Galblum Scholarship Harry J. Gersten Scholarship Dr. George W. Graf Scholarship Alfred H. and Halina Greenberg Scholarship Emeline Roberts Jones Memorial Scholarship Harry Hector MacLachlan Scholarship Dr. Harry A. Mesjian Scholarship Pabst Endowed Scholarship Dr. Robert R. Paletz Scholarship Goldie Paley Memorial Scholarship Dr. Robert S. Polisar Memorial Scholarship Laib and Rachel Rabinowitz Memorial Scholarship SDM International Friends Scholarship Dr. and Mrs. Edward F. Sipe Memorial Scholarship Dr. Tracy B. Sturdevant Scholarship Dr. Paul F. Titus Scholarship Lillian R. Tuttle Endowed Scholarship Anna and Dr. Louis Wolf Scholarship

To learn about establishing a scholarship fund please contact the Office of Development and Alumni Relations at 215,898.8951.

Philanthropy

HONOR ROLL, JULY 2008-JUNE 2009

Thank You!

PENN DENTAL MEDICINE is proud to recognize those alumni, friends, parents, and supporters who have made a difference through their generous support of the School of Dental Medicine.

During a period of unprecedented change in our economy and our country, the Penn Dental Medicine community reaffirmed its commitment to promoting scholarship and expanding access for all students. As one of the University of Pennsylvania's distinguished professional schools, we have enthusiastically embraced the University's goal to move from excellence to eminence.

In support of these goals, last year Penn Dental Medicine:

- * Provided more than \$2.5 million in financial aid to deserving students, including support for 25 Dean's Scholarships that grant I/2 tuition scholarships for the most talented students;
- * Invested in the latest technology, including a new 3D CT Imaging System and a highly sophisticated CAD/CAM Ceramic Center;
- * Encouraged students to partner with faculty mentors to pursue innovative research, reinforcing the vital connection between research and clinical practice.

It is in areas like these that your gifts are making a real difference. Private philanthropy provides essential support for the people and programs that make Penn Dental Medicine unique. Unrestricted gifts to annual giving — over \$475,000 this year — are vital to funding student aid, facilities, and technology and academic programs.

In the pages that follow are the names of those individuals and organizations that have made monetary gifts to Penn Dental Medicine between July 1, 2008 and June 30, 2009. The School extends its deepest thanks to each of you for your generosity. Your gifts ensure that Penn Dental Medicine will continue its proud tradition of leadership in the field of dental medicine.

Annual Giving Donors

This list includes all donors who made unrestricted gifts totaling \$250 or more to Penn Dental Medicine's annual giving funds in 2008-09. By providing essential support to help Penn Dental Medicine meet its annual needs, the generosity of our donors is critical to the School's success in adapting its programs to stay at the forefront of dental medicine. Their commitment sustains Penn's preeminence in dental medicine, and advances the School's mission of preparing its graduates to become dentistry's leading clinicians, educators, and researchers.

BENJAMIN FRANKLIN SOCIETY

The Benjamin Franklin Society is the University of Pennsylvania's leadership unrestricted annual giving group. Members of the Benjamin Franklin Society form the most critical base of support for the University and serve as a powerful motivator for garnering greater participation. Through their vision and generosity, members of the Benjamin Franklin Society are an inspiration and example to others.

Founder (\$10,000-\$24,999) William W. M. Cheung, D'81, GD'82 Peggy Frischer Schwartz, WG'80 Steven Alan Schwartz, D'76

Steven Alan Schwartz, D'76
Catherine Y. Waung

Fellow (\$5,000-\$9,999) Laurence B. Brody, C'52, D'56

Loretta T. Brody

D. Walter Cohen, C'47, D'50 Dr. Matthew J. Doyle Dr. Mary N. Doyle Lawrence A. Friedman, D'62, GD'65, GD'67 Harry S. Galblum, C'42, D'43 Velma Galblum Ronald J. Gutman, D'74 Dr. Ellen Heuman Benjamin P. Iuvone, D'74 Hope Rothenberg Kessler, CW'67, ASC'69 Lawrence Kessler, C'66, D'70 Martin D. Levin, D'72, GD'74 Susan Levin Matthew J. Pershing, GD'05 Irving M. Rothstein, C'38, D'41 Lorain R. Rothstein Robert M. Salisbury, D'69 Rev. James A. Tsigounis, D'58 Bernard Weiss, D'42

Associate (\$2,500-\$4,999)Morton Amsterdam, C'43, D'45

J. Mark Bayless, D'81

Frank R. Besson, Jr., D'94, GD'96 Geraldine L. Besson, D'94, GD'95 David S. Crimmins, D'74 Tanja J. de Marsche, DH'75, GD'81 Michael J. Feldman, D'89 Janice M. Gian-Grasso, GNU'77 Joseph E. Gian-Grasso, C'67, D'71 Linda J. Gilliam, D'89 W. Darby Glenn III, MD, M'56 Frances B. Glenn, D'56 Barbara Franco Hudson, DH'82 James D. Hudson, D'82 Bentha Johnson Edward P. Johnson, D'72 Anita Nayar Joy, D'81 Christopher H. Joy, D'80 Fred B. Kastenbaum, D'77 Allan D. Klenetsky, D'74 Gerald H. Kreinces, D'68 Bernard W. Kurek, D'73, WMP'03, WEV'04 Keith D. Libou, D'84 Donald F. Major, MAGD, D'70 Matthew A. Mandel, D'68 Estate of Harriet Worrall Mershon Randolph L. Mitchell, D'81 William W. Roberts III, C'72, D'77, GD'78 P. L. Rosenbaum-Libou, SW'83 Robert I. Schattner, D'48 Tara Sexton, D'88 David Tai-Man Shen, D'79, GD'81 Eric H. Spellman, D'76 Linda Spellman David S. Tarica, D'83 Robert E. Weiner, C'72, D'79 Margaret S. Williams, CW'62, GED'85 Robert H. Williams, CHE'59, D'63

RED AND BLUE SOCIETY

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In memory of Robert Warren Baker, Sr. (D'52) Harry S. Galblum, C'42, D'43

In memory of Mrs. Regina Bricklin (ED'39, GED'40) Louis E. Rossman, D'75, GD'77

In memory of Gail Cassie Maria E. Parrella, GD'91

In honor of the Class of 1959 Jay I. Glat, D'59

In memory of Richard A.
Collier (W'66, WG'67)
Dr. and Mrs. Joseph Lipa, Jr.,
D'62

In memory of Elliot Dardik (C'52, D'56) Julie A. Fisch Hollenberg, C'89

In honor of Jutta Dorscher-Kim

Selina W. Chan, GD'07 Martha Harper Jung B. Kim, D'91, GD'93 David Li, D'00, GD'03 Jung Lim, GD'04 Dr. and Mrs. H. O. Trowbridge Gayatri Vohra, GD'07

In memory of Dr. Steve Glasser's (C'74, M'78, FEL'82) father Louis E. Rossman, D'75, GD'77

In memory of Carole Goldstein's mother Louis E. Rossman, D'75, GD'77

In memory of Bal K. Goyal (D'81, GD'81) Richard P. Dakin, D'59 Tanja J. de Marsche, DH'75, GD'81 Marc Phillip Gimbel, D'88 Suman Goyal, MD William W. Roberts III, C'72, D'77, GD'78 Dr. Raj K. Shah

In memory of Irv Green Louis E. Rossman, D'75, GD'77

In honor of Professor Marjorie K. Jeffcoat Glenn R. Oxner

In honor of Dr. and Mrs. Lawrence Kessler (C'66, D'70) Mr. and Mrs. Sidney J. Sobel

In memory of Kenny King Louis E. Rossman, D'75, GD'77

In memory of Edmond P. Kotary (D'68) Mr. & Mrs. Andy B. Sharp

In memory of Jan M. Levy (D'75) P. Mark Portnoy, D'77

In memory of Tom M. Limoli (D'39) Dr. Michelle Limoli

In memory of Lawrence W. Loveland (D'55)

Dr. and Mrs. Daniel A. Bomberger, D'55 C. Wendell Lofland, D'55

In memory of Robert Milikian's Father Louis E. Rossman, D'75, GD'77

In honor of Patricia Redden

Carole M. Heisman

(GD'77, D'81)

In memory of David Rosen Louis E. Rossman, D'75, GD'77

In honor of Dr. and Mrs. Edwin S. Rosenberg

David B. Block Dr. and Mrs. E. J. Dellheim Dr. and Mrs. G. A. Markowitz

In memory of Lester Rosenthal

Louis E. Rossman, D'75, GD'77

In honor of Louis E. Rossman (D'75, GD'77) Dr. David B. Block Corinne L. Cacas Dr. and Mrs. E. J. Dellheim Dr. and Mrs. G. A. Markowitz

In memory of Mrs. Ruth Sacks Louis E. Rossman, D'75, GD'77

In honor of Nicholas G. Samaras'(D'52) Birthday

Valessia Samaras

In honor of Kendra S. Schaefer (D'95) Vincent Reynolds In memory of Mrs. Kay Schattner

Janice M. Gian-Grasso, GNU'77 Joseph E. Gian-Grasso, C'67, D'71 Louis E. Rossman, D'75, GD'77 Dr. and Mrs. Irving M. Rothstein, C'38, D'41 Thomas P. Sollecito, D'89, GD'91

In memory of Mr. Bruce Shefsky's Mother Louis E. Rossman, D'75, GD'77

In honor of Don I. Trachtenberg (C'58, D'63, GD'67) Louis E. Rossman, D'75, GD'77

In memory of Anthony A. Vito (D'53, GD'56)

Mr. & Mrs. Michael Amato Allessandro F. Angelo Jean-Pierre M. Arnoux, GD'90 Judith Zack Bendit, DH'81 Mr. and Mrs. Alfio J. Brindisi Mr. & Mrs. Thomas Carosello, Jr. Kyle J. Cunningham Mr. & Mrs. Ronald and Carol Damore Mr. & Mrs. Mark Deangelo Timothy and Tonya Eippert Dr. & Mrs. John Filips Mr. & Mrs. Michael Filips Mr. & Mrs. Michael Gaugler Winifred H. Joyce Mr. & Mrs. Richard W. Kasparek Ruth K. Kline Mr. and Mrs. Sidney Levov Marlene L. Martak David M. Monitzer Mr. & Mrs. Rodney Murgueytio Brian T. Ortelere, Esquire Mr. & Mrs. Mark Orzen F. Roger Page Mr. & Mrs. Ernest Pasqualone Faith M. Platt Mr. & Mrs. Thomas Ramsay Mr. and Mrs. Charles G. Roach Gretchen M. Santamour, Esquire Dee Anna V. Seaholts Mr. & Mrs. William and Rose Sorrentino William C. Stavrides, D'53 Carol W. Summers Robert B. Summers, C'61, D'65, Mr. & Mrs. Martin S. Trott Dr. and Mrs. H. O. Trowbridge Mr. and Mrs. Joseph C. Venuto James A. Vito, D'84, GD'87, GD'90 Kenneth Joseph Vito, MD, C'87, M'91

In memory of Ralph B Weil (D'43)

Liese L. Vito, MD, M'91

Mr. & Mrs. Mike Yutzy

Joseph Adcock Mr. & Mrs. Robert Blank Thomas F. Geiler Mr. & Mrs. Jeffrey L. Hertzberg Anita Kassar Mr. & Mrs. Howard M. Levy Julie F. Peterson, D'77 Nelson Weil Anita Kassar

Alumni

N E W S

ALUMNI WEEKEND 2009

Alumni Weekend 2009 drew more than 120 alumni and guests, who returned to Penn Dental Medicine May 15-16 to connect with friends and colleagues. This was the reunion year for classes ending in "4" or "9." Among this year's activities were two continuing education lectures, including an update on esthetic dentistry by Dr. Markus Blatz, Chair of Preventive and Restorative Sciences, and the Dr. Samuel I. Shames and Hilda B. Shames Visiting Lecture with Dr. Myron Allukian (D'64). Student-led tours of the School, an open house in the Virtual Reality Simulation Lab and the new CAD/CAM Lab, and the traditional Alumni Parade and Alumni Picnic were also part of the festivities. Reunion class dinners were held again this year at the Union League of Philadelphia. Alumni are reminded to mark their calendars now for Alumni Weekend 2010, which will be held May 14-15, 2010; this will be the reunion year for classes ending in "5" and "0."











- 1 Then Interim Dean Thomas Sollecito (D'89, GD'91), (second from left), with recipients of the 2009 Alumni Award of Merit: Drs. Gerald Barrack (D'59), Adi A. Garfunkel (GD'74), and Heber T. Graver (D'56, GR'72). Awardees not pictured include Drs. Marshall J. Goldin (C'60, D'64) and Adam Stabholz (GD'78).
- 2 Class of 1984. 1st row: Drs. Ross Kline, Jeffrey Kane, Cecile Feldman, Keith Dunoff, and Anthony Molesphini; 2nd row: Drs. James Huber, Geno Farone, David Goodman, James Vito, Jeffrey Chustckie, and Robert Brody; 3rd row: Drs. Mark Evans, Keith Libou, and Mark Desrosiers.
- 3 Class of 1974. 1st row: Drs. Grant Hennigar, Howard Hopenwasser, and Ronald Gutman; 2nd row: Drs. Edward Roy, Michael Rulnick, Marco Rand, and Walter Chinoy.
- **4** Then Interim Dean Thomas Sollecito (D'89, D'91) accepted a painting on behalf of the School by artist and alumnus Dr. Walter Bogad (D'59), who contributed the piece to Penn Dental Medicine in recognition of his 50th reunion.
- **5** President Amy Gutmann greeted Dr. Clement Alpert (C'32. D'34), left, celebrating his 75th year reunion during the Parade of Classes; then Interim Dean Thomas Sollecito, right.
- **6** Members of the Class of 2004 enjoyed gathering at the Union League for their class dinner.
- 7 Class of 1979. 1st row: Drs. Richard C. Buzin, Robert J. Oro, Debra A. Oro, Barbara Lenk, Jeanne Koch Bertino, Joanne Reiffe-Fishbane, Kathleen Siu, and Joanne D. Chouinard; 2nd row: Drs. Deborah Whitman, Richard B. Friedman, Martin A. Kaminker, Linda K. Himmelberger, Saul M. Pressner, Bruce H. Godick, Robert E. Weiner, John S. McIntyre, David A. Klebenow, Lawrence Hsia, David A. Tecosky, and Gary B. Bratman; 3rd row: Drs. Gary A. Disanto-Rose, Curtis H. Beck, Richard E. Chodroff, Michael L. Ferstendig, David T. Bolger, Stephen Dallal, Stephen H. Grossman, Jonathan D. Volinsky, and J. Craig Tyl.
- 8 Class of 1959. 1st row: Joseph R. Bonnaci, Richard P. Dakin, Jay I. Glat, Arnold B. Porges, John P. Hellwege, Lawrence D. Moses, Harold A. DeHaven, Jr., Martin Steinweiss; 2nd row: Carmen A. Troisi, Jr., Noah Chivian, Stuart G. Licht, Philip W. Kitchin, Bernard Zeifang, Nicolas Pituras, Fernando A. Mele, Anthony Agag, Donald G. Lovejoy; 3rd row: Gerald M. Barrack, Walter S. Bogad, Eugene R. Taormina, John S. Parianos, Stanley B. Segal, James F. Gleckner, Gerald L. Fine, Harry M. Hoffman, Allan S. Shaw.

Dental Hygiene Alumni Awards

Dr. Joan I. Gluch (GR'92), was presented with the Dental Hygiene Alumni Special Achievement Award, recognizing outstanding contributions to the growth and development of the profession of dental hygiene. The award is given annually by the Penn Dental Medicine Dental Hygiene Alumni Association. Dr. Jaclyn M. Gleber (DH'74) was also honored for her years of service to the Alumni Association.







ALUMNI PROFILE: Dr. Ronald Gutman (D'74)

By Alandress Gardner

As Penn Dental Medicine's newest Alumni Society Executive Committee President, Dr. Ronald Gutman (D'74) believes that the key to fostering support and involvement among alumni is to create personal connections and encourage graduates to reflect on how their education has had an affect on their lives. He not only endorses this philosophy—he lives by it.

Dr. Gutman has been giving back to Penn Dental Medicine with both his time and financial resources, grateful for the knowledge and experience that has enabled him to build a successful private practice in New York City. In partnership with his wife, Dr. Ellen Heuman, their 34-year practice focuses on cosmetic, restorative, and implant dentistry. The couple met as undergraduates at George Washington University, building a family and practice together; they have two sons, Spencer and Drew Heuman-Gutman, ages 21 and 17, respectively.

"I believe that when a School has given you so much, alumni have an obligation to give something back to the School for the next generation of dentists."

"The reason we have these lives and enjoy our profession is because of the fine education we received," reflects Dr. Gutman. "I believe that when a School has given you so much, alumni have an obligation to give something back to the School for the next generation of dentists."



Dr. Ronald Gutman (D'74)

Along with Dr. Gutman's personal commitment to engaging alumni support for the School, he also brings a strong record of fundraising to the Executive Committee presidency, previously serving as Chair of the develop-

ment committee at one of his son's schools and helping to lead a capital campaign over two years. An active member of the Executive Committee since 2004, Dr. Gutman has served two years as Chair of the Annual Giving Committee. "Being part

of the Executive Committee has been a unique experience," he says. "In addition to gaining some special insight into the operation of the School, I have had an opportunity to develop personal relationships with esteemed colleagues and other leaders in the dental community that have prepared me for this new role at Penn Dental Medicine."

Dr. Gutman has also been actively involved with Penn Dental Medicine students. In 2007, he established a shadowing program to help enhance students' academic experience, providing opportunities for those in their third- or fourth-year to spend a day or two at a practice in New York. "This program presents a wonderful opportunity for students to have a hands-on experience in a practice environment with the ability to ask questions about specific specialties. The students have learned a tremendous amount by spending time in these practices," Dr. Gutman says. Nearly a dozen students have participated in the program and as the program gains more exposure Dr. Gutman hopes for greater involvement. This fall, he is implementing the program in Philadelphia and New Jersey. In addition to arranging shadowing placements, Dr. Gutman is available as a mentor, offering professional advice.

To encourage an active Alumni Society, Dr. Gutman's goal is to increase the number of and involvement in alumni events. In addition to the popular Alumni Weekend, an annual opportunity for graduates to reestablish relationships, he envisions organizing more events in the tri-state area, where Penn Dental Medicine alumni are most numerous. "It's important to engage each other more often while staying closely connected to the School," he says.

Under Dr. Gutman's leadership, student input from those who attend Executive Committee meetings will continue to be a source of inspiration. "Their involvement in advances in dental medicine keeps Penn on the cutting edge of dental research and education." He also emphasizes that student relationships with alumni strengthens their connection with the School. "It's important for them to have great experiences here at Penn Dental Medicine, graduating with a positive attitude and remaining engaged throughout their career."

Alumni Gatherings

SENIOR FAREWELL 2009 ▼

The Class of 2009 was officially welcomed into the Penn Dental Medicine Alumni Society at Senior Farewell 2009. Held May 12 at The Ritz-Carlton, Philadelphia, nearly 250 alumni, faculty, students, and staff gathered for the evening's festivities, which included a cocktail reception, dinner, dancing, and the presentation of teaching awards voted on by the senior class (see Scholarly Activity Awards & Achievements, p. 19 for awards listing). Alumni are encouraged to save the date for Senior Farewell 2010 to be held May 12.

Drs. Sam Tam (D'09), Kristy Slachta (D'09), Brad Hersh (D'09), Caley Smith(D'09), Todd Carris (D'09), Michelle Han (D'09), Jennifer Tran(D'09), TJ Filip (WG'08, D'09), and Gabrielle Sykoff (D'09).





Dr. Spencer-Carl Saint Cyr (D'97), President of the Alumni Society Executive Committee at the time, welcomes guests.



Recipients of the 2009 teaching awards: Drs. Nathan Kobrin, Arthur Kuperstein, Scott Odell (GD'82), Elliot Hersh, and Margrit Maggio (D'87).



Drs. Jaime Jeong (D'09) and Mansi Oza (D'09).

American Association of Endodontists

American Academy of Periodontology Alumni Reception ▼

Penn Dental Medicine held a reception September 14 for alumni attending the American Academy of Periodontology Annual Meeting in Boston, helping alumni and their guests reconnect to Penn Dental Medicine and each other.

Alumni Reception ▼

On April 30, alumni gathered for a reception during the American Association of Endodontists (AAE) Annual Session in Orlando, Fla., taking the occasion to honor Dr. Louis Rossman (D'75, GD'75) who had just completed his term as AAE President.



Drs. Daniel Kao (GD'08) and Ernesto Lee (GD'87).



Dr. Arnold Weisgold (GD'65) and Morton Amsterdam Dean Denis F. Kinane.



Dr. Louis Rossman (D'75, GD'75) honored by endodontics alumni and faculty.

Alumni

CLASS NOTES

1960's

Lawrence A. Saunders (GD'67), semi-retired from his career in oral and maxillofacial surgery, has been in academics and private practice for more than 40 years. He presently is a consultant at San Mateo Medical Center in California, looking after the many unemployed, ill, and indigent patients that flow through county hospitals. He spent many successful years in practice in Palo Alto, Calif., and Stanford University Medical Center, and over the years, also served on the faculty of UCSF and Penn Dental Medicine. He has contributed much to professional literature during his career and has a book in publication, Dentistry's Best Kept Secret (Dorrance Publication, Pittsburgh, Pa.), which is a review of the specialty of oral and maxillofacial surgery for the lay person. Dr. Saunders has been enjoying life as a painter/stained glass creator, musician, golfer, and gardener, and fondly remembers the good times spent in Philadelphia as a graduate of Temple University (CL'61, Den'65) and Penn Dental Medicine (GD'67) and while holding his academic position at Penn (1976-1981). Married 44 years to Laura Anne (Weyte) Saunders, a 1965 dental hygiene alumna of Temple and Certified Professor Coder at SUMC, they have three children, all involved in business careers. "Regards to all me colleagues," he writes.

Charles R. Weber (D'69), who practices general dentistry in West Chester, Pa., was installed as a trustee of the American Dental Association (ADA). Dr. Weber's installation took place in Honolulu at the ADA's 150th Annual Session and World Marketplace Exhibition in October. Dr. Weber will serve on the ADA Board of Trustees as the trustee from the Third District. which represents Pennsylvania. The ADA Board formulates and reviews policies and programs and makes recommendations to the members of the ADA's governing body, the House of Delegates. Dr. Weber is a past president of the Pennsylvania Dental Association and has been a delegate in both the ADA and the Pennsylvania Dental Association House of Delegates.

1970's

Delaware Governor Jack Markell has appointed Ronald Sarg (D'70) to a four-year term on the Delaware Commission of Veterans Affairs, composed of 12 members of various veterans organizations. In service to both the State of Delaware and the 89,000 military veterans, their families and/or surviving spouses in the state of Delaware, he will be representing the Military Officers Association of America (MOAA) to facilitate implementation and coordination of veterans policies and programs within the state, provide oversight as needed to the Delaware Veterans Home, and to provide recommendations to Governor Markell for proposed program improvements and/or future legislation.



Penn Dental Medicine Board of Overseer Martin Levin (D'72, GD'74) represented the University of Pennsylvania as a higher education delegate at the inauguration convocation of Howard University's new President, Sidney A. Ribeau, PhD. Dr. Levin brought official greetings from President Amy Gutmann and Secretary Leslie Laird Kruhly to the April 17 inauguration of Howard University's 16th president. Dr. Levin (left) is pictured with Professor Gary Harris, PhD, of Howard University, who served as a University Marshall in the inauguration ceremony.

Warren Brill (D'73) was the recipient of the 2009 Pediatric Dentist of the Year Award, presented by the American Academy of Pediatric Dentistry (AAPD) at the Annual Session, held in Honolulu, Hawaii in May. Established in 1998, this annual award honors a pediatric dentist who has made significant contributions to the dental profession and the specialty of pediatric

dentistry through clinical practice, academics, or policy development over the past year. Recipients will also have devoted extensive volunteer leadership service to the dental profession and the specialty. Dr. Brill is currently the Chair of the AAPD Council on Government Affairs. He maintains a private practice in Baltimore, Md., and is also Clinical Associate Professor of Pediatric Dentistry at the University of Maryland School of Dentistry.

Jaclyn Gleber, RDH, Ph.D. (DH'74)

has been honored with the 2009 Medical/Health Literacy Hero Award for her education and outreach programs in Chester County, Pa. Through "Community Dental" in Coatesville, her mission is to provide preventive and basic dental services, education, and outreach to low-income, uninsured, and underinsured children and adults. In 2008, she screened and educated over 4,000 children and adults in the federally designated Dental Health Professional Shortage Area of Southern and Western Chester County. In addition, Dr. Gleber just completed her year term as President of the Pennsylvania Dental Hygienists' Association; currently, she is serving as President of the Penn Dental Medicine Hygiene Alumni Association and would love to hear from fellow alums (email: JGleber.UpennDH@comcast.net). She and her husband, Del Musso (D'75), live in Chester Springs, Pa. They have two sons in college and one son working in finance in New York City.

Share Your News

We want to hear from you. Share your news on personal and 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 where you can quickly send us your information — we welcome photos as well.

Or, you can send your submissions to:

Mary McCarron Robert Schattner Center University of Pennsylvania School of Dental Medicine 240 South 40th Street Philadelphia, PA 19104-6030 215-898-8951 (p) mrmccarr@ben.dev.upenn.edu

Stephen Weisner (D'75, GD'77) is

an orthodontist living in Andover, Mass. He had an article published in the June 2009 issue of The Journal of Clinical Orthodontics, titled "Treatment of a Class III skeletal malocclusion, with a mandibular asymmetry, utilizing a single microscrew." He and his wife, Maureen, have two children — Michael is a third-year student at NYU School of Dental Medicine and Adrienne is completing her first year at the Harvard School of Dental Medicine.

James Cinamon (D'78) married Denise in 2006; they have three daughters — two who are recent college graduates. For the past four years, Dr. Cinamon has been a Trustee with the Massachusetts Dental Society. Still busy in practice and loving the work, he is also enjoying bicycle fundraising rides for cancer and MS.

1980's

Marc F. Lipkin (D'8o, GD'81) was presented with a Fellowship by the International Congress of Oral Implantologists and a Mastership in the Implant Prosthodontic Section of the International Congress of Oral Implantologists at its symposium in Philadelphia, held May 7-9, 2009.

Michelle Loewinger (D'81) writes: "I have been practicing in Washington, D.C. since graduating. My husband, Howard Gutman, whom I met in college at Columbia University, has been appointed by President Obama to be the U.S. Ambassador to Belgium. I will be leaving my practice to my associate for the three years we will be in Brussels and am applying for a dental license there. I am hoping to teach in the clinic at a dental school in Belgium."

Paul R. Feldman (D '83) received a Fellowship from the International Congress of Oral Implantologists (ICOI) in Philadelphia, Pa., in May



1990's

John Stephen Horchos (D'92) completed a summit climb of Mt. Hood in Oregon at dawn on July 16, 2009. Mt. Hood has an elevation of 11,250 feet and is the highest point in Oregon. In addition to his latest climb, Dr. Horchos has climbed Mt. Whitney in California (14,500 feet), Mt. Washington, and hiked the Appalachian Trial and the Inca Trail, ending in Machu Picchu. Dr. Horchos practices pediatric dentistry in center city Philadelphia.

2000's

Mathew A. Berg (D'03) was recently named Vice President of Dental Operations for Ocean Dental.

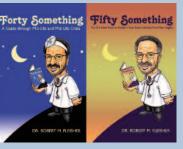
Jeena Leon Samuel (D'04), currently settled in Houston, Texas, writes: "God has blessed me with three princesses (children) — they are five, three, and one. They make my day. I work four to five days at a private practice and one day at Harris County Hospital. I am staying busy with work and children. God has been good to me and my family."

Matthew R. Anderson (D'09),

who is currently a resident in prosthodontics at the University of Washington (UW), received the 2009 Henry M. Thornton/SCADA Fellowship, presented at the ADA/DENTSPLY Student Clinician Research Awards Program held during the 150th ADA Annual Session in Hawaii, Sept. 30 – Oct. 4. The Fellowship is open to alumni of the ADA/DENTSPLY Student Clinician Research Program to support their pursuit of postdoctoral dental education. Dr. Anderson represented Penn Dental Medicine in the 2007 ADA/DENTSPLY Student Clinician Program as the winner of the School's annual Oral Health Fair for his project, Effect of Type III collagen on Bone Mineral Content of Mouse Metatarsals in Explant Culture, under faculty preceptor Dr. Sherrill Adams, Professor of Biochemistry. In addition, he also has been awarded the David H. Wands Endowment Fellowship in Graduate Prosthodontics at the UW; a fellowship to provide financial support for graduate students enrolled in the UW Graduate Program in Prosthodontics.







Robert M. Fleisher (GD'76) is pleased to announce the publication of two books: Forty Something: A Guide through Mid-Life and Mid-Life Crisis and Fifty Something: You Still Have Time to Redeem Your Body and Soul from Past Neglect. He presented a program titled Chairside Manner — How to Gain Your Patients' Respect, Love and Loyalty at the American Association of Endodontists' Annual Session; this material was taken from his upcoming book, *Bedside Manner*. For more than 30 years, Dr. Fleisher has taught at Albert Einstein Medical Center's Endodontic Residency Program. On his web site, bedsidemanner.info, he discusses issues related to having a better relationship with patients. Dr. Fleisher's motto: "because patients judge your skills by your bedside manner" has motivated him to share his techniques and ideas with all healthcare providers to make the patient experience more fulfilling. He encourages fellow Penn Dental Medicine alumni to share thoughts and ideas through the forum on his web site.

In Memoriam

Dr. Mian Iqbal (D'03)

With great respect and fondness, Penn Dental Medicine remembers Dr. Mian Iqbal, Assistant Professor of Endodontics-Clinician Educator—a devoted educator and skilled clinician and researcher. Dr. Iqbal and his wife, Maliha Iqbal, were both killed September 10, 2009 in a tragic auto accident in Pakistan, while there to attend the funeral of his mother.

Dr. Iqbal, 55, had been with the Department of Endodontics since 2000, overseeing the postdoctoral residency program as the Director of



Postgraduate Endodontics. Since 2007, he also held the position of Director of the Division of Advanced Dental Education, which encompasses the School's nine postdoctoral programs. "We called him a gentle giant. He was a dedicated teacher, loyal colleague, and a warm and kind human being," says Dr. Syngcuk Kim, Chair of the Department of Endodontics.

Prior to joining Penn Dental Medicine, he served as Assistant Professor at the College of Dentistry at King Saud University in Riyadh, Saudi Arabia (1987 – 99); Assistant Professor of Endodontics in Meharry Dental College in Nashville, Tenn. (1984 – 86); and Instructor in Dentistry at Khyber Dental College at the University of Peshawar in Pakistan (1979 – 82).

Dr. Iqbal held a BDS from the University of Peshawar (1977), an MS from the University of Minnesota (1984), and a DMD from Penn Dental Medicine (2003).

A well-published researcher and respected lecturer, Dr. Iqbal was the Vice Chair of the Evidence- based Committee of the American Association of Endodontists and served on the editorial boards of the Journal of Endodontics, the Journal of Oral Rehabilitation, the Journal of Implant and Advanced Clinical Dentistry, the Indian Journal of Medical and Dental Sciences, and the US Civilian Research and Developmental Foundation.

"He was one of the rising stars in the national and international endodontic arena," says Morton Amsterdam Dean Denis Kinane. "We have lost a valuable and highly respected member of our community; he will be greatly missed."

Dr. and Mrs. Iqbal are survived by their son, Taimur Iqbal. The School's Department of Endodontics held a memorial to celebrate Dr. Iqbal's life and contributions to Penn Dental Medicine and is establishing a memorial fund in his memory. Contributions to the fund can be made through the Department of Endodontics; for more information on it, please contact 215-898-4927 or syngcuk@pobox.upenn.edu.

Henrietta Zackin (DH'30)

Waterbury, CT, April 22, 2008

Robert J. Benedict (D'39)

Norwich, NY, November 5, 2008

Francis J. Brady (C'39, D'41)

Fort Myers, FL, June 25, 2009

Daniel Gordon, (C'41, D'43)

Dallas, PA, September 7, 2009

Florence M. Horlacher (DH'41)

Scranton, PA, June 7, 2006

Albert Kantor (D'41)

Randolph, NJ, July 24, 2009

Charles Bove (D'42)

Fort Myers, FL, May 2, 2009

Philip C. Wagley (C'42, D'43) Towson, MD, June 24, 2007

Raymond E. Margerum, Jr. (D'43)

Hendersonville, NC, June 1, 2009

Robert W. Davis (D'44)

Osterville, MA, June 21, 2009

James Alfred Hallman (D'44)

Englewood, FL, December 7, 2008

Howard Kimmel (D'44)

Blackheath, London, July 23, 2008

William F. Harter (D'45)

Mexico, NY, May 24, 2009

Louis D. Dreyer (C'45, D'46)

Moriches, NY, August 24, 2008

Dr. Joseph L. "José" Rabinowitz

Dr. Joseph L. "José" Rabinowitz, a pioneering scientist and highly respected teacher, is warmly remembered by the Penn Dental Medicine community, which he served and supported throughout his distinguished career. Dr. Rabinowitz, Professor Emeritus of Biochemistry, passed away May 28, 2009 at the age of 85. Born in the Ukraine, but raised in Mexico, he earned both his master's degree (1948) and his doctorate in organic chemistry (1950) at Penn. Dr. Rabinowitz joined the Penn faculty in 1958 as Assistant Professor of Biochemistry at the School of Medicine. He came to Penn Dental in 1963 as Associate Professor of Biochemistry, was promoted to Professor in 1970, and became Professor Emeritus in 1992. He had also been Chief of radioisotope research at the Veterans Affairs Medical Center in Philadelphia (1957-1972).

Dr. Rabinowitz's scientific career focused on the biochemistry of lipids with groundbreaking studies on the mechanism of cholesterol biosynthesis and the role of the intermediates, ß- hydroxyl- ß- methyl glutaryl Coenzyme



A (HMG-CoA+) and mevolonic acid in that process. His research helped lead to the development of the important cholesterol lowering drugs known as statins. He also made significant contributions in the area of steroid and thyroid hormone metabolism and was recognized for his use of radioisotopes in biological experiments, which led to the text, *Principles of Radioisotope Methodology*, which he coauthored with Dr. Grafton Chase. In 2004, he endowed the Joseph and Josephine Rabinowitz Award for Excellence in Research to promote independent research by the School's junior faculty. "His generosity in endowing the research award ensured that his legacy as a

scientific mentor will continue at Penn Dental in perpetuity," says Dr. Ellis Golub, Professor and Interim Chair of Biochemistry.

Dr. Rabinowitz is survived by his wife, Josephine; daughters, Malva and Lois; son, Marty; a brother; and five grandchildren. Donations may be made to the Dr. Joseph L. Rabinowitz Fund for Cancer Research, 132 Burtis Lane, Syosset, NY 11791.

Karl J. Leone (D'47)

Venice, FL, April 28, 2009

Bernard Heitman (D'50)

Boynton Beach, FL, August 1, 2009

Robert H. Conte (D'52)

Bedford, NY, September 2, 2009

George H. Haden (D'53)

Charlotte, NC, June 26, 2009

Joseph F. Puccio (D'53)

Vestal, NY, June 12, 2009

Horace H. Thoman (C'49, D'53)

Cape May Court House, NJ, June 2, 2009

John M. Hollis (D'54)

Merrick, NY, July 26, 2008

William T. Balton (D'55)

Boynton Beach, FL, March 12, 2009

Vincent A. Callery (D'56, GD'59)

Pottsville, PA, March 22, 2009

Edward A. Dachowski, Sr. (D'56)

Horsham, PA, May 12, 2009

Donald G. Tomlin (D'56, GD'59)

East Orleans, MA, February 25, 2009

Alvin J. Turner (D'57)

Morristown, NJ, May 15, 2009

James R. Donovan (DG'58)

Mongtomery, NY, August 18, 2007

Israel Domsky (D'59)

Philadelphia, PA, April 15, 2009 Survived by his nephew, Samuel Domsky (C'78, D'82)

Dr. Sheldon Rovin

Penn Dental Medicine remembers former faculty member Sheldon Rovin, who passed away at his home in Wynnewood, Pa. from cancer on July 11, 2009 at the age of 76. Dr. Rovin held combined appointments at the University of Pennsylvania during his nearly 20 years of service.

Beginning in 1979, Dr. Rovin was appointed Chair of Dental Care Systems, now Penn Dental Medicine's Division of Community Oral Health, and was a member of the standing faculty. Known for his creativity, Dr. Rovin was a philosopher at heart. A pioneer in dental education, he used



systems theory, which emphasizes the interaction and interrelationship of all component parts, as the basis for his teaching and administrative activities. Working with faculty members in the department, he developed and implemented innovative courses that used the case-study method for small group discussion of public health topics from a systems perspective.

"Dr. Rovin developed a creative and supportive environment for faculty and students in our department, continually challenging us to examine traditional assumptions about teaching and learning," says Joan Gluch, Director of Community

Health, who worked with Dr. Rovin from 1991 until his retirement. "We truly miss his energy and imaginative spirit that continues to inspire all who knew and worked with him."

Dr. Rovin also held a secondary appointment as Director of the Health Care Executive Management programs at the Wharton School and Director of Penn's Leonard Davis Institute of Health Economics. A native of Detroit, Dr. Rovin earned his undergraduate, dental, and master's degree in pathology from the University of Michigan, where he met his future wife, Nancy Gold Rovin. After serving in the Army for two years in Fort Bragg, N.C., he was a founding faculty member of the University of Kentucky College of Dentistry; Dr. Rovin later became a Professor of Pathology and Chair of the Oral Pathology Department at the school. In 1973, he became Dean of the University of Washington College of Dentistry. He also served as a fellow in the scholars program at the Veterans Administration in Washington from 1977 to 1979 before coming to Penn.

Dr. Rovin is survived by his wife Nancy of 52 years, daughters Suzan and Lisa, a son David, grandsons, and two sisters.

Arnold L. Podell (D'59)

North Wildwood, NJ, April 20, 2009

Harold T. Enlow (GD'61)

Odessa, FL, December 27, 2008

Lester E. Vocke (GD'61)

Honolulu, HI, February 14, 2003

Soona B. Jahina (GD'62)

Santee, CA, April 23, 2009

Malcolm A. Nanes (D'62)

New York, NY, November 24, 2008

Alan N. Winnick (GD'62)

Toronto, ON, July 13, 2009

Nancy Adams Lane (DH'67)

Strasburg, PA, May 15, 2009

Ronald W. Stephens (D'67)

Manchester, CT, July 5, 2009

Sheldon J. Wollman (GD'71)

Edgewater, MD, April 5, 2009

Ellen Leonard (DH'72)

Columbia, MD, February 7, 2009

Stanley F. Kapa (D'72)

Richmond, VA, March 13, 2009

Robert S. Dustin, Jr. (GD'88)

Grennwich, CT, August 5, 2009

Michael J. Mercurio (D'99)

Camarillo, CA, July 4, 2007

Mian Iqbal (D'o3)

Wynnewood, PA, Septemeber 10, 2009

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Find a former classmate and sign up for an email forwarding service through QuakerNet, the Penn Alumni Online Community. Register free at www.alumniconnections.com/penn and search the Online Directory — a great resource for personal and professional networking and an easy way to keep up-to-date on fellow alumni. You can also sign up for a permanent email forwarding service, which will forward messages received at your permanent Penn address to the email address of your choice.

Update your alumni record via QuakerNet, the Penn Alumni Online Community. Register free at www.alumniconnections.com/penn. Or, contact Mary McCarron at 215-898-8951 or mrmccarr@ben.dev.upenn.edu.

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Find information on ways to support Penn Dental Medicine at www.dental.upenn.edu/alumni. Or, contact the Office of Development and Alumni Relations at 215-898-8951.

Request a transcript through the School's Office of Student Affairs at 215-898-8940 if you graduated in 2000 or earlier. If you graduated in 2001 or later, visit the Office of the University Registrar's web site at www.upenn.edu/registrar/transcripts/transcripts.html or call 215-898-6636.

Order a replacement diploma through the Office of the Secretary's web site at www.upenn.edu/secretary/diplomas/#replace.

Post or search dental career opportunities at www.dental.upenn.edu/alumni/jobs.html.

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Learn about the Alumni Council on Admissions, which guides children and grandchildren of Penn alumni through every step of the Penn undergraduate admissions process, at www.alumni.upenn.edu/aca.

Discover the variety of resources and benefits available to Penn alumni, including discounts on services, at www.alumni.upenn.edu/services.

Please address any correspondence to:

Office of Development and Alumni Relations Robert Schattner Center University of Pennsylvania School of Dental Medicine 240 South 40th Street Philadelphia, PA 19104-6030



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Annuity Rate	5.0%	5.3%	5.7%	6.3%	7.1%	8.1%
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^{*}Deduction will vary slightly with changes in the IRS Discount Rate. Assumed rate 3.0%.

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Margrit M. Maggio, D'87
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Members of the Class of 1959 as pictured in the *Dental Record* yearbook their graduating year. More than 30 members of the class returned for their 50th year reunion as part of Alumni Weekend 2009, see page 32.



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Calendar

OF EVENTS

Alumni Programs & Events

Wednesday, November 4, 2009 Student/Alumni/Faculty Networking Event

(cocktails, hors d'oeuvres, dessert) Union League of Philadelphia 6-9 p.m.

Tuesday, November 10, 2009 Meeting of the Penn Dental Medicine Alumni Society Shils Boardroom, 6 p.m.

Wednesday, December 2, 2009 Greater New York Dental Meeting Alumni Reception New York, NY

Friday, January 29, 2010

Yankee Dental Congress *Alumni Reception*Boston, MA

Tuesday, February 9, 2010

Meeting of the Penn Dental Medicine Alumni Society

Shils Boardroom, 6 p.m.

Friday, April 16, 2010

AAE Annual Session *Alumni Reception*San Diego, CA

Tuesday, May 11, 2010 Senior Farewell

Location to be announced 6 p.m.

May 14-15, 2010

Alumni Weekend 2010

Reunions for classes ending in "5" and "o"

For information on these and other alumni events, please visit www.dental.upenn.edu/alumni/events .html or call 215-898-8951.

Continuing Dental Education

Penn Dental Medicine alumni receive a 25% discount on course tuition.

November 14, 2009

Oral Pathology: An Interactive Review

Presented by Faizan Alawi, DDS 9 a.m.–1 p.m.
4 lecture credit hours
The Robert Schattner Center
Penn Dental Medicine
240 South 40th Street
Philadelphia, PA

December 5, 2009 Oral Medicine: From A(phthae)

Oral Medicine: From A(phthae) to X(erostomia)

Presented by Martin S. Greenberg, DDS; Thomas P. Sollecito, DMD; and Eric T. Stoopler, DMD 9 a.m.–5 p.m. 7 lecture credit hours The Robert Schattner Center Penn Dental Medicine 240 South 40th Street Philadelphia, PA

January 23, 2010

TMJ Imaging and Diagnosis: Tomograms, MRIs, & Occlusal Appliance Adjustment

Presented by Normand Boucher, DDS; and Ryan Tamburrino, DMD 8 a.m.–5 p.m. 5 lecture credit hours 3 hands-on participation hours The Robert Schattner Center Penn Dental Medicine 240 South 40th Street Philadelphia, PA

For information on these and other Penn Dental Medicine continuing education programs, visit www.dental.upenn.edu/cde or call 866-Penn-CDE.

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