

Summer 2013

# MOMENTUM



EIOH a Leader in Dental Care for Older Patients

*Story on page 6*

# EASTMAN

INSTITUTE FOR ORAL HEALTH

I live my life following a series of principles. One that I faithfully employ is “waste no opportunity.” Three simple words, but they cannot be taken without caution. To follow that credo, one takes on the responsibility of identifying the opportunity and then realistically evaluating both the risks and benefits.

In July 2012, I had an opportunity presented to me. I was asked to be the Acting Director of the Eastman Institute for Oral Health (EIOH). The prospect intrigued me as I was the President of the Eastman Dental Foundation Board and therefore was familiar with many of the issues and individuals at EIOH. Then the evaluation of the risks and benefits began. The downside...my plate was full. I was the President of the American Dental Association and still maintaining my role as a partner in a very busy general practice in Rochester. The upside...a chance to use my leadership skills and make a difference. So, based on two true beliefs... (there truly are more than 24 hours in a day and that you can learn how to sleep fast...), I embraced the opportunity. Ten months later, I can honestly tell you that I made the right choice. I have thoroughly enjoyed the position. I could not have done it, however, without the unbelievable support given me by wonderfully loyal and committed administrators, division chairs, faculty, alumni, staff and residents... all truly special people.

In the week surrounding my writing this message, two young adults, both 26 years old, and very close family friends have died. On the positive side, I have been to a graduation and a baptism. During this week I have witnessed myriad human emotions. The common denominator for both coping and celebration was family.

I raise this point, because in my tenure as Acting Director, I have experienced the family atmosphere that is so present



*Dr. Calnon posed with Dr. Emmanuel Puddicome (Gen Den' 01, GPR '03) during the recent Handelman Conference.*

## On the Cover

*Monroe Community Hospital resident Virginia Weller smiles at her dentist, Eastman Dental's Ralph 'Lin' Saunders, DDS. Story, page 6.*

Photo by Keith Bullis

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at EIOH. Whether it is with current residents, loyal alumni around the world, faculty or staff, there is a sense of belonging to a bigger unit...a family. Like all family structures, the EIOH family has some issues. Some members feel like distant cousins. Some might not feel comfortable attending a family reunion. Some may choose to change their last name. Those issues are part of any family.

In my short time at EIOH, I have tried to reach out to all parts of the family and show them that they are indeed important in the bigger structure. I have actively listened to concerns and interacted with groups all over this country. I have seen a renewed sense of reunion and think this is only the beginning.

During my extensive domestic and international travel as ADA President, I constantly encountered EIOH alumni. All were aware of the search for a new Director and expressed interest in maintaining EIOH's stature in the profession. Many were surprised by my reaction. I shared my belief that no institution, EIOH or any other should be willing to simply maintain the status quo. Vision and innovation should be the hallmarks of planning for the future.

On May 13, Eli Eliav, DMD, MSc, PhD, was named as the next director of EIOH and vice dean for Oral Health within the School of Medicine and Dentistry. A widely published expert in oral medicine and orofacial pain, Dr. Eliav has been serving as the chair of the Department of Diagnostic Sciences, director of the Center for Temporomandibular Disorders and Orofacial Pain and is the Carmel Endowed chair in Algesiology at the New Jersey Dental School, part of the University of Medicine and Dentistry at New Jersey. Dr. Eliav possesses the skills and vision necessary to move EIOH to new heights and to create an environment in which all can excel. Dr. Eliav begins September 1 and I look forward to working closely with him during the transition.

We are about to enter a new chapter for EIOH, a chapter in which we all must work together to accomplish what is best for the institution as a whole. I am proud to have had a chance to reach this new chapter. Going forward we must assess risks and rewards and "waste no opportunity."



A handwritten signature in black ink that reads "William R. Calnon, DDS".

William R. Calnon, DDS (GPR '79)  
*Acting Director*  
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# Eli Eliav Named Director of Eastman Institute for Oral Health

“Eli’s career path as an academician, researcher and clinician make him an outstanding choice...”

—Mark B. Taubman, MD, dean, School of Medicine and Dentistry

Eli Eliav, DMD, MSc, PhD, has been named director of the Eastman Institute for Oral Health at the University of Rochester Medical Center and vice dean for Oral Health within the School of Medicine and Dentistry. A widely published expert in oral medicine and orofacial pain, Eliav has been serving as the chair of the Department of Diagnostic Sciences, director of the Center for Temporomandibular Disorders and Orofacial Pain, and is the Carmel Endowed chair in Algesiology at the New Jersey Dental School, part of University of Medicine and Dentistry at New Jersey.

“Dr. Eliav’s demonstrated leadership abilities, combined with his extensive academic, clinical and research experience make him a perfect fit to lead the entire oral health enterprise within the medical center,” said Bradford C. Berk, MD, PhD, chief executive officer of the University of Rochester Medical Center.

Among many career highlights, Eliav has a longstanding history for gaining support from National Institutes of Health, as well as funding for industry research and service grants. He has served on the editorial and scientific boards for several major journals, presently serving as editor-in-chief of *Quintessence International*, which provides vital information and special reports on

clinical and research advances related to all dentistry disciplines.

“When I was a resident in Jerusalem in the early ‘90’s, I heard great things about Eastman and its excellence in postgraduate education, research and clinical care,” said Eliav. “I would have never believed it if someone told me then that one day I would be director of this fine institution. I’m excited about what the future holds for Eastman Institute and the Medical Center.”

Eliav earned his dental and post graduate degrees and completed his residency training in Oral Medicine at Hebrew University in his native Israel. He then completed a research fellowship at the National Institute of Dental and Craniofacial Research related to pain and neurosensory mechanisms. He joined the New Jersey Dental School as an associate professor in 2004.

“Eli’s career path as an academician, researcher and clinician make him an outstanding choice to continue the momentum that the Eastman Institute for Oral Health has gained through its recent clinical re-engineering initiative and other efforts to expand and enhance its education, clinical and research programs,” said Mark B. Taubman, MD, dean of the School of Medicine and Dentistry, who served as chair of the search committee.

“The blend of teaching, research and clinical components with Eastman Institute presents unique challenges, and Dr. Eliav has addressed them by offering a solid vision for Eastman, with some innovative and exciting ideas to maximize our potential in all three areas,” said William Calnon, DDS, acting EIOH director and president of the Eastman Dental Center Foundation Board.

**Eliav begins September 1.**

## Dental Care for Older Adults a Growing Concern

Eastman at the Forefront in Education, Clinical Care and Research

“If I had known I was going to be here this long I wouldn't have let my dentist pull all my teeth when I was 50.”

This was the lament of an 86 year-old resident of the nursing home at Monroe Community Hospital (MCH) in Rochester.

Her comment has come to be familiar to Director of Dentistry at MCH and EIOH Professor Ralph H. Saunders, Jr., DDS, MS (Gen Den '80), who, along with other faculty, dental residents and fellows, is working to learn how to best maintain and improve oral health for the growing population of elderly, who are retaining their teeth longer.

A recent report from the American Dental Association's Health Policy Resources Center quoting data from the National

Center for Health Statistics, confirms that the prevalence of edentulism among older adults continues to fall. The report states that older Americans are retaining their teeth more than ever before and will remain susceptible to oral diseases and disorders. That means retired baby boomers, (Americans born during the 18 years following World War II between 1946 and 1964) will require more dental services and likely purchase more advanced services than younger patients.

Although Eastman Dental has always provided care for older adults, a more focused effort in clinical care, education, and research in geriatrics began in the early 1980's, when all health professions were becoming increasingly aware of the rapid



*Dr. Saunders and Virginia Weller share a laugh after her dental appointment at Monroe Community Hospital.*

*Prosthodontic Resident Hai Qing, DDS, treats a patient at MCH while Dr. Saunders supervises.*



**“I am so grateful to General Dentistry at Eastman. Many doors were opened to me because I was a part of the Eastman family. Thank you for your caring support.”** —Ann Slaughter, DDS, MPH (Gen Den '94)

growth of the elderly population with its attendant needs and challenges. Saunders, working with Stanley Handelman, DDS, former chairman of General Dentistry, received one of the new (at the time) National Institutes of Health (NIH) Geriatric Dentistry Academic Awards, which provided for early personnel development and program growth.

“Dr. Handelman’s foresight and guidance were invaluable in initiating geriatrics activities here,” said Saunders, who is also a professor and the first dentist in the Division of Geriatrics and Aging in the UR School of Medicine and Dentistry’s Department of Medicine. Other faculty and also leaders from the Monroe County



*Ann Slaughter, DDS, MPH (Gen Den '94)*

Office for Aging and several other local organizations serving older adults joined to form Eastman’s Geriatric Dentistry Task Force which was essential for developing and promoting early activities.

A sequence of other training grants followed which have greatly enhanced opportunities for dental geriatrics in Rochester. At this time Saunders serves as dental director in the UR Interdisciplinary Geriatric Fellowship Training Program for Dentists, Mental Health Professionals, and Physicians; this program is funded by the NIH Health Resources and Services Administration and is in its third renewal period, currently funded through 2015.

Another key factor in the development and growth of geriatric dentistry education has been the opportunity for patient-centered clinical training and also research at MCH, a 566-bed academic long-term care facility. Because about 70 percent of the patients are age 65 or older, rich possibilities exist for learning about interacting with older adults and their caregivers. About four years ago, Saunders worked with dental office professionals to re-design the MCH dental clinic, incorporating state-of-the-art features for comprehensive oral care for older adults with disabilities. All residents in Eastman’s General Dentistry and Prosthodontics programs complete rotations to MCH.

“We are very pleased and fortunate that those who have trained in dental geriatrics in Rochester are making contributions of their own in this field,” said Saunders, who serves on the board of the American Society for Geriatric Dentistry and is a diplomate in Special Care Dentistry.

Like Ann Slaughter, DDS, MPH (Gen Den '94) for example, who chose Eastman because of a partnership with the Meharry Medical College School of Dentistry,

## Dental Issues Facing Older Adults

### Susceptibility to Cavities

This was of minimal concern to previous generations of older adults, because few teeth remained. Today, the prevalence of crown caries is about the same as for other adults, but much higher for root surface caries.

### Dry Mouth

Estimates vary, but some say up to half of all older adults will get dry mouth, which facilitates getting cavities and is uncomfortable.

### More Prevention

Because of more physical and cognitive disabilities, older adults have the poorest oral hygiene and greatest need for creative preventive strategies. Encourage older patients to use topical fluoride every day.

### Age is Relative

Unless specific medical conditions exist, consider the full range of options when planning.

initiated by Handelman, to provide advanced training to graduates who may not otherwise have the opportunity.

“I always had a specific interest in caring for older adults, but this subject had only a minor place in my dental school curriculum,” Slaughter explained.

“My second year at Eastman provided a comprehensive clinical experience targeted to functionally dependent older adults. I also gained experience working with portable equipment in nursing homes, learning to treat patients with a broad range of cognitive and physical deficiencies with compassion and maintaining their dignity.”

After she left Eastman, Slaughter pursued additional training and completed a Fellowship in Geriatric Dentistry at the University of Connecticut and then completed her MPH at the University of Michigan School of Public Health.

“Dr. Saunders’ guidance and expertise and support played a pivotal role in my career beyond the walls of Eastman,” she said. “I have never had a better mentor than Dr. Saunders throughout my formal training and academic career. He has the unique ability, through his gentle and humble manner to want you to build beyond your expectations for yourself.”

For 10 years, Slaughter was on the faculty at the University of Pennsylvania’s School of Dental Medicine as course director for Geriatric Dentistry. There she developed and tested evidence-based, culturally relevant health promotion programs tailored to older African-Americans. Presently, she is working in Philadelphia providing care to nursing homes as an independent contractor. She also holds the distinction since 2008 of serving as the only dentist on the City of Philadelphia Board of Health.

Ricardo Huerta-Andrade, DDS, (Gen Den ’02 and Prosthodontics ’05) completed the Geriatric Dentistry Fellowship in 2007 and said the program allowed him to grow personally and professionally.

“Other than meeting wonderful people and building lifetime relationships, I was glad the experience allowed me to serve the community and to contribute to the increase of scientific knowledge through research,” he said.



*This lift allows increased access to care and comfort for older patients who are wheelchair-bound, such as Mary Jane Thompson, pictured above.*



*Ricardo Huerta-Andrade, DDS  
(Gen Den ’02, Prosthodontics ’05)*

Huerta-Andrade, who now practices locally at Ultimate Smile Dental, notes that dentists around the world must be prepared now to care for seniors, because of the explosion in growth of the 65+ segment of the population.

Other EIOH alumni who today continue to make a difference by caring for older adults include Kevin Hendler, DDS (GPR ’88, Gen Den ’89), past president of the American Society for Geriatric Dentistry and now director of Dentistry at the Wesley Woods Geriatric Care Center in Atlanta. Lauren Doss, DDS (GPR ’04) is the Dental director at Canandaigua’s Veterans’ Administration Medical Center, and Jennifer Calnon, DDS (GPR ’11, Fellowship ’12) serves as a VA staff dentist.

## Research

Many needs exist for research in geriatric dentistry because older adults have historically been studied less than children and other age groups. Saunders has had both leadership and participatory roles in a variety of geriatric research activities.

Early on, he worked with mentor Stanley Handelman investigating older adults' verbal and nonverbal communication during initial dental visits. His master's research helped establish the role, now widely accepted, of medications in reducing saliva flow and increasing risk of root surface caries among nursing home elderly.

Working with Eastman Dental Community Dentistry investigators Dennis Leverett, DDS, MPH, and Ronald Billings, DDS, Saunders has served as an NIH-calibrated examiner for surveys of older adults' oral health and later led an oral health evaluation of a Medicare-supported intervention of homebound elderly. His most recent projects focus on oral health-related quality of life of older adults and also education of dentists and dental hygienists in dental geriatrics. In his chapter in a new text, *Geriatric Dentistry, Caring for an Aging Population*, (ed. Paula K. Friedman, Wiley-Blackwell, Inc.), to be published in January, Saunders reports on progress in geriatrics education of dental students over the past 25 years.

## Training the Future Experts

Current Geriatric Dentistry Fellow Adina C. Jucan, DDS (GPR '11, GenDen '12) recently presented her and Saunders' evaluation of the effect of a nursing home rotation on attitudes of dental hygiene students toward older adults at the American Geriatrics Society annual meeting.

"Caring for older adult is in my heart and this is the fastest growing segment of the population," said Jucan, whose work has received kudos from Tom Caprio, MD, UR's director of Geriatrics Training and the Finger Lakes Geriatric Education Center, and Annette Walpole, MD, professor of

Geriatrics and Aging and medical director at The Highlands of Pittsford.

Walpole is researching the value of a new protocol for educating and motivating nursing assistants toward effective daily mouthcare for nursing home residents.

## Future of Geriatric Dentistry Education at EIOH

"Although funding for training grants for leaders in education in this non-specialty field of dentistry will remain competitive for the foreseeable future," Saunders predicted, "continuing to educate our residents in the basics of the theory and practice of geriatric care remains essential, and is now firmly established in the basic EIOH curriculum."

The history of innovative geriatrics education and clinical care in Rochester and at Eastman combined with the demographic imperative of new generations of older adults, continue to point toward a bright future for geriatric dentistry education.



*Adina Jucan, DDS (GPR '11, Gen Den '12)*

*Tenderness and compassion are a regular part of treatment at Eastman Dental at Monroe Community Hospital.*





## Still Sizzling After 58 Years

**J. Daniel Subtelny, DDS, MS, doesn't recall exactly how Hot Seat got its name, but the famous class has been making an indelible impact for the last 58 years, ever since he first arrived at the Dental Dispensary on Main Street in 1955.**

“One graduating class actually purchased a red chair to go in the Orthodontic Seminar room as a symbol to the individual who is in the Hot Seat,” he said.

“We all know the term means that one person, in particular, is in the line of fire,” explained Subtelny, who has served as the Orthodontics Program chair for more than half a century. “For Hot Seat in Orthodontics, that means one resident is lined up to take the direct questions and answer them as best as he or she can.”

Sounds easy enough, except he's never sat in that red chair. What he didn't mention is that the student is in the Hot Seat for three or four straight hours, once a week, for five weeks in a row.

“The Hot Seat for my class wasn't just hot – it was *burning*,” recalled Professor Leonard

Fishman, DDS (Pedo '59, Ortho '61), who has been teaching part time at Eastman since 1963. “When I was a resident, once you started in the Hot Seat, at the very least you had an upset stomach and were a nervous wreck. But unlike today, you never knew when Dr. Subtelny would let you go. It felt like a zillion weeks later!”

Assistant Professor and alum Michael Spoon, DDS (Ortho '91) likens the Hot Seat experience to a gymnast preparing to vault.

“You've practiced the run up, the mid-air twists and the landing hundreds of times,” he said. “You take your first pass and think you've nailed the landing, but then you hear those infamous words, ‘and what else?’”

“So you take a second pass and you increase the level of difficulty,” he continued.

“Again, he asks, ‘and what else?’ Now you know you have to attempt your best vault, even though you just learned it a week ago, and you're not too sure about the outcome. Only now does the fact that you are performing at the international level become consciously apparent.”

“Hot Seat is unique in that it has most likely remained unchanged in its structure and content over the 50+ year period,” observed Assistant Professor Edward Sommers, DMD (Ortho '78), who has been teaching part time at Eastman Dental for 31 years. “Not once during my attendance do I recall Dr. Subtelny being absent from a Hot Seat seminar. Only a vacation or an important orthodontic event would necessitate canceling.”

Current resident Jeremiah Juson, DMD, can testify to having a similar experience to

**“Hot Seat makes you aware that you don’t know it all and that there is more than one way to approach a problem.” – Michael Spoon, DDS (Ortho ’91)**

that of his older colleagues. While in the TMJD Fellowship, he became friends with the ortho residents and interacted with the faculty, who inspired him. He spent several weeks preparing for his first Hot Seat.

Confidently prepared, Juson, who never imagined he would be accepted into the highly competitive ortho residency program, was ready.

“On that first day, Dr. Subtelny asked me to go to the board instead of reading off my presentation from my Mac,” Juson said. “I was stunned. I was so nervous I was sweating everywhere!

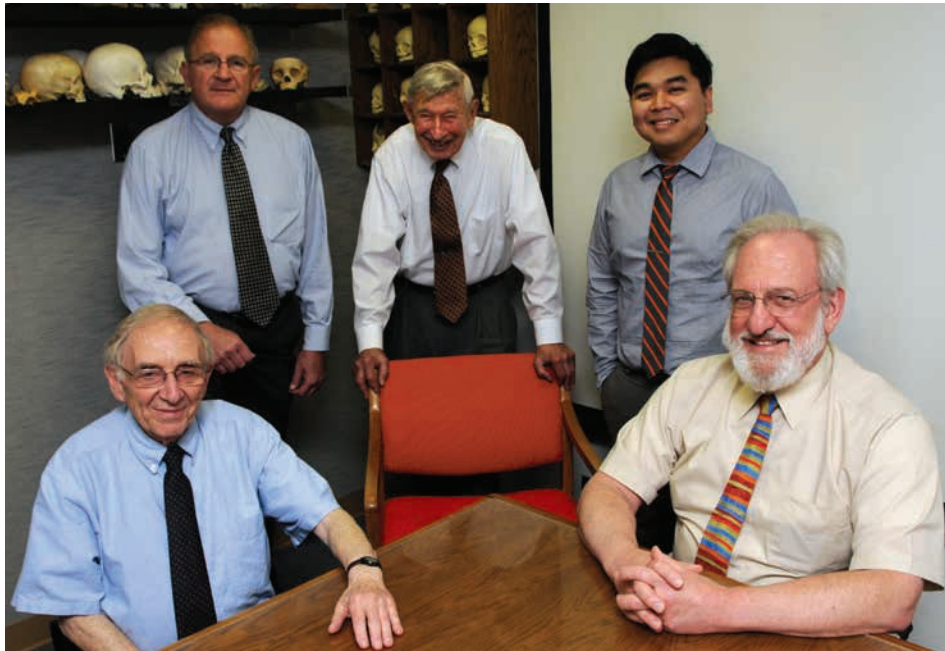
“I was on the board drawing a facial profile and he was asking question after question,” he said. “I know I had the answer in my head because they were in my presentation; but without my Mac, I was paralyzed.”

Juson quickly realized that he cared too much about not missing anything rather than really understanding.

“Throughout the whole thing, though, Dr. Subtelny never intimidated me nor did he make me feel stupid,” he added. “He was gentle and kind when asking his questions. He asked in different ways and in different manners, because he wants me to think. He was trying to knock some sense to my head and he did!”

### Three Major Segments

Hot Seat starts when Ortho residents begin their second semester of their first year and runs weekly until they graduate the two-year program. It covers three major topics: patient history and examination, cephalometric (x-rays) examination, and treatment.



**And What Else?** *Over the years, Dr. Subtelny (center) has made a positive impact in the minds of many. (l to r) Dr. Fishman (Pedo ’59, Ortho ’61), Dr. Sommers (Ortho ’78), Dr. Juson, current resident, and Dr. Spoon (Ortho ’91).*

“The first Hot Seat always starts the same: ‘Why did you take a history from your patient in dental school?’” Sommers recalled. “It would start from the birth process of a human, leading into involved discussions of anatomy and physiology that pertain to the orthodontic case.”

The next major topic is images of the skull. In class, residents and faculty thoroughly discuss and review many analyses of x-rays.

“But the multiplicity of cephalometric analysis would sometimes lead to confusion in the early training of an orthodontic resident,” Sommers explained. “In the Hot Seat, Dr. Subtelny is able to sort out all of the confusion and tie all of the information together in a meaningful way.”

Subtelny emphasizes teaching of the fundamental principles of orthodontic treatment, including principles of tooth movement and the basic methods of biomechanics. “Dr. Subtelny was more interested that we become well-versed in the basic fundamentals of orthodontics than the ever-changing techniques of orthodontics,” Sommers said. Fishman agrees. “The strength of our program is that Dr. Subtelny has always based patient diagnosis and treatment planning in a biologic context,” he

said. “It is emphasized over and over that the mechanics of treatment must be based on an individualized evaluation of the patient’s patterns of growth and development.

“Not all orthodontic programs are like this,” he added. “Academics are essential and subsequently stressed so that a treatment plan can be individualized relative to his or her unique developmental patterns.”

**“For all the stress Hot Seat generated, in retrospect it was a gift that allowed you to rise to the occasion and gave you lots of confidence.”** – Leonard Fishman, DDS (Pedo '59, Ortho '61)

### Teaching Style

“My goal is to help them build a base of knowledge that is unforgettable personally and professionally,” explained Subtelny. “If a student in the Hot Seat does not have an answer, then I go around the room until I have an answer – this way everyone has to be on their toes!”

Hot Seat reflects Subtelny’s preferred method of teaching – the Socratic Method, which focuses on making students think on their own, rather than repeating what they have read and “regurgitating” it back to the professor.

“We started with embryogenesis and progressed through non-nutritive sucking patterns of the fetus, any and all parafunctional habits, nutritional considerations, and every phase of growth and development,” wrote John Graham, DDS, MD, (Ortho '04) contributing editor of *Journal of Clinical Orthodontics*. He said Subtelny is one of the greatest influences in his career. “The actual treatment plan would be proffered by the beaten and humbled resident around hour 15 or 16. In Dr. Subtelny’s Socratic method, every question was answered by another question until utter exhaustion settled in.”

Some might say it was as if Subtelny had a sixth sense, always asking for the one thing the resident had not prepared.

Sommers recalled when Subtelny once asked a resident for the result of his growth prediction, an estimate of how the patient will grow, which plays an important role in treatment planning. “And of course the resident had prepared everything *but* the growth prediction,” he said. “The resident said to Dr. Subtelny that he had been awake until 1 a.m. preparing the case. Dr. Subtelny

simply replied, ‘If you had stayed up until 3 a.m., would you have had time to do the growth estimate?’”

And when a different resident replied to one of Dr. Subtelny’s questions by saying that only 2 mm were lacking for a tooth, Sommers said Subtelny would reply by saying ‘have you heard of the man who drowned because the water was just 2mm over his nose?’

“Dr. Subtelny, like any good coach, is trying to tease the best out of you, to make you think about your task from many different perspectives, and to consider the myriad of techniques that will lead to a solution for your patients,” Spoon said. “The synaptic sweating and mental gymnastics of his teaching method are designed to make you consider all the possibilities—that he knows and that you have yet to learn.”

### Lasting Impact

“I think Hot Seat prepared many of the EIOH graduates to go on to be leaders in the orthodontic profession,” said Deborah New, DDS, MS, PhD (Ortho '94, MS '96 PhD '98), a part-time instructor at Eastman. “Many Eastman graduates have gone on to lead in orthodontics, throughout the world. We are a global family!”

“For all the stress Hot Seat generated, in retrospect it was a gift that allowed you to ‘rise to the occasion and gave you lots of confidence,” reflected Fishman.

“Hot Seat makes you aware that you don’t know it all and that there is more than one way to approach a problem,” Spoon added. “What Dr. Subtelny uniquely contributes is a historical perspective and knowledge base that is shared by almost no one else. You won’t

find what he knows in PubMed or on the internet. He is intimately familiar with the developmental foundation of many of the techniques we use today.”

Like the hundreds of residents before him, Juson now knows that Hot Seat is not just about orthodontics.

“Hot Seat is about how you should look at things. Hot Seat is about how to make things happen effectively or how to prevent them from happening. It is a learning experience that I will be proud to pass on to the next generation,” he said.

Graham recently introduced the *Journal’s* newest feature, The Hot Seat, named after Subtelny’s infamous program that will highlight, Graham writes, “some of the best clinicians and educators in the orthodontic specialty. Each installment will be based on a single, often controversial topic and will have a new set of contributors. The challenge to each respondent is to be brief, sometimes pithy.”

### Hot Seat’s Future

So what will happen to Hot Seat when Subtelny retires?

“It absolutely could never be the same!” Fishman said. “It is likely that the format will probably continue. I am confident that another chair can also be very effective, but the very extensive knowledge and the positive effectiveness of Dr. Subtelny’s leadership as a teacher is too unique.”



**Hot Seat in Action** Ortho residents ponder a question presented by Dr. Subtelny.

## Two Grants Established

The Ortho Alumni Association established two research grants to benefit patients with clefts and craniofacial anomalies. The J. Daniel and Joanne Subtelny Orthodontic and Speech Pathology Clinical Research Grants honor their lifetime commitment to clinical care, research and education in the cleft/craniofacial fields.

One will be given to a current or future orthodontist and the other to a speech and language pathologist and/or audiologist. Both winning applicants will be chosen for their significant project that will benefit the care of patients with cleft or other craniofacial deformities.

To contribute to the fund or to learn more, contact Alvaro Figueroa at [Alvaro\\_Figueroa@rush.edu](mailto:Alvaro_Figueroa@rush.edu)

Dear Dr. Subtelny,  
Faculty and Family at  
Eastman Orthodontics Division:

Thank you for your endless support, guidance and mentorship. Thank you for providing me with the knowledge and insight necessary to be a successful orthodontist. I humbly thank you for your commitment, passion and generosity. Because of you, I have gained the confidence necessary to meet the demands that lie ahead and maintain the high standard expected of an Eastman Ortho graduate. Thank you for the Hotseat!!!! I took the ABO board two weeks ago and I was well prepared to answer all questions by a few prominent Orthodontists. I successfully passed the examination. It goes without saying that the Hot Seat gives solid foundation and provides necessary elements to think and then talk especially when seated across the table of our peers.

Nader Ehsani (Ortho '07)

## Economic Outlook for Dentistry

**T**he American Dental Association Health Policy Resources Center is a thought leader and recognized authority on critical policy issues facing the dental profession. Through unbiased, innovative, empirical research, HPRC helps dentists and policy makers make informed decisions that affect dental practices, the public and the profession. Recently, HPRC reported their findings, which reveal some interesting trends.

*Momentum* asked Marko Vujicic, PhD, managing vice president, Health Policy Resource Center's Dental Practice and Professional Affairs Division, to answer a few questions about the future economics of dentistry.

Before joining ADA, Vujicic was a senior economist with the World Bank in Washington, D.C., and a health economist with the World Health Organization in Geneva, Switzerland, where he was part

of a team responsible for policy research and support to Ministries of Health in developing countries. He has also worked extensively on broader health systems and health financing issues in Africa, East Asia, South Asia and the Caribbean as well as Eastern Europe and Central Asia.

**Q.** Many people think the downturn in consumer spending on dental services began in 2008 with the recession. The research you and the HPRC team completed says otherwise. Please elaborate.

**A.** Using the most reliable data sources from CMS, we have shown that when you adjust for population and inflation, dental spending in the United States has been flat since 2008. More importantly, it began to slow in 2002, well before the economic downturn. This is after years of steady growth in the range of about 4% per year through previous decades. It is clear from our analysis that some type of structural shift in the dental economy occurred in the early 2000s and what we are seeing now is not simply cyclical effects related to a recession. This time is clearly different.

**Q.** Treating underserved children is a large part of our mission at EIOH, and it's fantastic news to see that the last decade saw remarkable gains in the percentage of children in the US who visit a dentist. However, you report that there has been a decline in adult utilization. Do you see both trends continuing?

**A.** It is encouraging to see the gains in dental care utilization among low-income children. In fact, 47 out of 50 states saw an increase the past decade in the percent





*Marko Vujicic, PhD, managing vice president, Health Policy Resource Center's Dental Practice and Professional Affairs Division*

of children on Medicaid who had a dental visit in a year. For adults, though, the story is totally different. Since the early 2000s, dental care utilization among adults has been falling – most severely among the poor, but across all income groups, actually. With the Affordable Care Act, research we just released shows that there will be a significant expansion of dental benefits among children. This would suggest continued increases in dental care utilization among children. For adults, however, the Affordable Care Act did little to reverse the trends.

**Q.** Some media reports claim there is a shortage of dentists in this country. What does your research estimate the numbers of dentists to be in the future and how does that compare to today?

**A.** This is a complicated question. Nationally, I can tell you that our data show a steady increase in the share of dentists who say they are not busy enough and can treat more patients. In 2011, almost 2 out of 5 dentists told us this. This clearly indicates there is capacity in the system and there is no shortage of dentists. Our research also shows that more and more adults, particularly young adults, are not able to get the care they need but the main reason is not lack of providers, but cost. Emergency room use is up for dental conditions as well, but again a lot of that has to do with eroding dental benefits, both private and on the Medicaid side with states cutting back. All this points to a coordination failure, and the need for policy makers to focus on solutions that leverage existing capacity. Looking forward, our latest projections of the future dental workforce basically show steady dentist per capita levels, but on the demand side, if things continue, utilization might keep declining. This is something my team is diving into now with some novel analysis, so stay tuned.

**Q.** We have alumni working in almost every country in the world. Are there economic trends that will affect dentistry around the globe?

**A.** This is something that we have not really looked at since we obviously have our hands full understanding the absolute transformation of the dental market that is occurring domestically. I can tell you that as countries like India and China see rapid growth in their middle class, that will likely spur significant increases in demand for dental care. There could be many

opportunities for dental schools and dental organizations, including the ADA, to really expand their global reach.

**Q.** The HPRC reports that average dentist earnings have been declining since the mid 2000's and have not recovered. You attribute lack of insurance coverage, dental fees and an increased number of those insured through Medicaid as possible reasons. Will earnings continue to be flat, increase or decrease over the next several years?

**A.** This depends on a lot of factors. At the most macro level, the future trajectory of dental care utilization is a critical factor with enormous implications. Preliminary research we are doing suggests that while the aging population could very well provide a big stimulus to the dental economy, the decline in utilization and spending among younger adults could offset this. We could be heading for a 'new normal' in terms of per capita dental spending, with very little growth over the next decades. That would suggest slow or little growth in earnings. At the same time health reform, with its emphasis on increased coordination of care among providers, and the increasing evidence of the impact oral health has on whole-body health and medical costs, there could be opportunities opening up for dentists within this new health care environment that we have not even considered. It is a challenging time for the profession but at the same time there are opportunities for strategic action.

**For more information visit the ADA Health Policy Resources Center at <http://www.ada.org/1442.aspx>.**

## New Guidelines Now Available to Manage Oral Mucositis

**Oral mucositis, a common, debilitating complication of cancer chemotherapy and radiation and hematopoietic stem cell transplantation, occurs in up to 80 percent of patients, and ranges from inflammation and redness to severe ulceration.**

“Symptoms of mucositis vary from pain and discomfort to an inability to tolerate food or fluids. Mucositis may also limit the patient’s ability to tolerate either chemo or radiation, and can be so severe as to delay treatment and therefore possibly limit the effectiveness of cancer therapy,” explained Sharon Elad, DMD, MSc, chair of EIOH’s new Oral Medicine Division. “Oral mucositis was associated with increased narcotics consumption and increased risk for systemic infection.

“It is therefore extremely important that mucositis be prevented whenever possible, or at least treated to reduce its severity,” added Elad, who recently co-chaired a complex project to update Clinical Practice Guidelines for oral mucositis management.

All of the updated guidelines have now been released. The project was carried out by the Mucositis Study Group (MSG) of The Multinational Association of Supportive Care in Cancer / International

Society of Oral Oncology (MASCC/ISOO), comprised of some 250 members involved with health care of oncologic patients.

Working closely with MSG chair, Raj Lalla, DDS, PhD, CCRP, and MSG co-chair Joanne Bowen, PhD, Elad coordinated a multi-disciplinary professional team of almost 100 international members of the group to develop the method planning and platform organization and assist with the content building of the guidelines. These efforts culminated in a series of systematic reviews.

“All publications are now available on PubMed, and have been attracting a lot of attention,” Elad said. “Information

in respect to light therapy, cryotherapy, cytokines and growth factors, antimicrobials, anesthetics, analgesics, coating agents, anti-inflammatory agents, natural and miscellaneous agents, as well as the management of gastro-intestinal mucositis are all included in the updates.”

Based on the new scientific evidence, numerous new guidelines are available at either the recommendation or suggestion level. To view the latest guidelines, visit [www.mascc.org/mucositis](http://www.mascc.org/mucositis).

MSG of MASCC/ISOO will meet this summer to plan the future steps regarding the multi-disciplinary efforts to develop better oral health care and the dissemination of the guidelines.



*Dr. Elad (left) with Dr. Lalla*

## Resident Profile

An AEGD resident, Balu Krishna earned his dental degree and studied as a maxillofacial surgeon in his native India. He was awarded a Fellowship in Urgent Care, and worked there for one year.

**Q. Favorite aspect of working at Eastman so far?**

**A.** I loved working in Urgent Care. It's an ideal setting for me. They are well organized and the staff and faculty are amazing.

**Q. What are your plans following graduation next year?**

**A.** To pursue my career as an oral maxillofacial surgeon, and spend more time with my wife and son.

**Q. Favorite things to do in Rochester?**

**A.** I love the jazz festival, parties in the park and all the live music bands in and around Rochester.

**Q. Proudest professional achievement?**

**A.** When one of my patients was so happy that she blessed my parents for long life.

**Q. Is there a person who has inspired you?**

**A.** Dr. David P. Tauro (oral maxillofacial surgeon), who has been my mentor and is the best surgeon I've worked with. He inspires me every day to be a perfectionist.

**Q. Favorite phone app?**

**A.** Shezam for iPhone

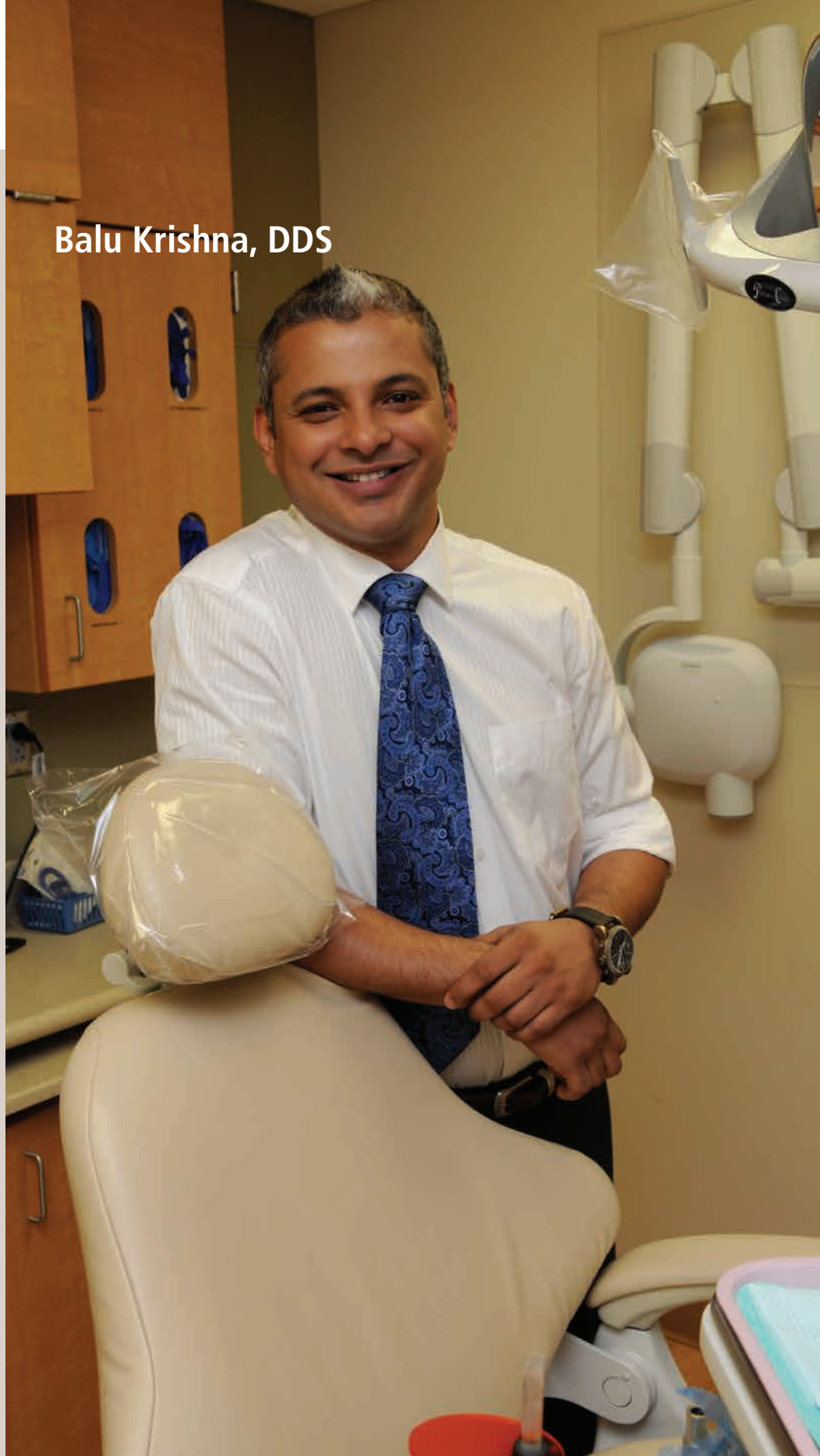
**Q. Do you have any hidden talents?**

**A.** Painting, carving and cooking

**Q. Do you have a bad habit you'd like to break?**

**A.** I shall confess my bad habit once I break it!

## Balu Krishna, DDS



## Plenty of Ideas and Energy at First Meeting

# The National Dental Practice-Based Research Network

*The nation's network*



*Attendees worked in small groups to develop ideas for future research*



*(l to r) Drs. Donald DeNucci, Dena Fischer and Paul Benjamin*

Practitioners who attended the first annual meeting of the Northeast Region of the National Dental Practice Based Research Network felt there should be a closer collaboration with medical colleagues related to smoking cessation therapy and a study as such could be carried on in the dental offices across the U.S.

Other study ideas some of the 76 dentists and hygienists who attended the inaugural March meeting developed were related to the treatment outcomes of the cracked tooth syndrome, management of Class V caries lesions, which whitening products are most effective, how they should be used, most common side effects, and which ones have the highest rating among patients.

The practitioners were also interested in learning more about what placement technique is the most successful when restoring dental implants.

After Paul Benjamin, DDS, a NDPBRN practitioner from Miami, FL, gave the keynote address, NIDCR's Donald DeNucci, DDS, director, Dental Practice-Based Research Networks and Dena Fischer, DDS, MSD, director, Clinical Research and Epidemiology Program presented an overview of the national network's history and its future importance to NIDCR, because the results from this research will dramatically improve care to patients.

"They were pleased to see the level of practitioner engagement and the progress the network has made in recruiting practitioners and developing studies," said Cyril Meyerowitz, DDS, principal investigator for the Northeast region. Practitioners broke into small groups and

developed and presented relevant clinical questions that may become research studies in the National Dental PBRN.

Finding time to fit a study into a busy daily practice was the subject of another break out session. There, practitioners who have participated in previous studies shared tips from their experiences.

Participants learned about beneficial strategies like engaging office staff into the process, as it helped to identify potential study patients, obtain the consent and follow the study procedures. Morning team huddles were also helpful, to strategize the enrollment process for the day. The

## Living the Eastman Mission

**B**ob Malloy, Jr., DMD, (Ortho '00) recently traveled to Dar es Salaam, Tanzania at Muhimbili University of Health and Applied Sciences through Health Volunteers Overseas, a secular organization that sends health care workers all over the world.

“Unaware of exactly what the orthodontic needs would be in this country, I realized immediately my first day in clinic that they were no different than the U.S.,”



he said. “The orthodontic and dental supplies were limited at MUHAS and most of their orthodontics were removable appliances. But I lectured, did hands on laboratories, consulted and treated patients in the clinic.”

Malloy worked with 5th year interns

who were very excited to get a chance to bond cases. He has kept in touch to help the interns through e-mail and photos. Malloy is also working to help upgrade their equipment. “Every time I reached for something I realized I would have to improvise,” he said.

“I cannot say enough about the kindness of the people I worked with at the school and the Tanzanian people in general,” he said. “Their dedication to their patients and the profession were admirable.”

*Dr. Malloy (right) worked with interns in Tanzania.*

practitioners felt that dental hygienists, dental assistants and front desk staff were usually very enthusiastic to participate in research study once the study was explained to them, they learned the study objectives and were reassured that the study itself will not infringe on the routine operation of the practice.

The last session of the day comprised of three interesting presentations about previous studies conducted in the PEARL network and their results. Benjamin presented the results of the study about “Replacement or Repairing Dental Restorations.”

Aaron Rosen, DDS, and John Martin, DDS, presented the study titled “Periodontal Diagnosis Affected by Variation in Terminology.”



*Kathy Bohn, Research Administrator (left) and Dr. Dorota Kopycka-Kedzierawski, Northeast Regional Deputy Director*

Allan Horowitz, DMD, described the study “Outcomes of Endodontic Therapy in General Practice.”

Gregg Gilbert, DDS, MBS, director of the National Dental PBRN, concluded the meeting by describing the current research and studies that are currently

in the pipeline, including cracked teeth registry, suspicious occlusal lesion activity and isolation methods used during the root canal treatment, expected to be launched later this summer.

“All the participants who came to this meeting brought a high level of enthusiasm and depth of experience,” added Meyerowitz. “They generated a fantastic list of clinical questions that will lead to studies. This network offers an unparalleled opportunity for meaningful research and enhancing the attention on going evidence based clinical care in dental offices while increasing the body of evidence about oral health care.”

The next NDPBRN meeting is planned for March 14-15, 2014 in Rochester, New York.

## First Handelman Fellowship Awarded



*Dr. Alexis Ghanem (second in from left), was awarded the very first Handelman Fellowship during the recent Handelman Conference. He is with (l to r) Drs. Calnon, Handelman and Malmström.*

**T**raining future leaders in dentistry is at the very core of Eastman Institute for Oral Health's mission. But the challenge facing Eastman and other dental training institutions has been the steady decrease of graduates entering academic dentistry as a career.

Stanley L. Handelman, DDS, the world-renowned 'father of postdoctoral general dentistry' has dedicated his career to the education of outstanding general dentists, and in 2001 established the Stanley L. Handelman Fellowship Fund to provide support to students and residents who have an interest in a dental academic career.

Handelman's personal philanthropic leadership has ensured the success of this effort, with more than \$100,000 contributed to date and an additional \$900,000 in his estate. In addition, more than 100 Eastman alumni, faculty and

friends have contributed to the fund in recognition of Dr. Handelman's long career at Eastman and his exceptional contributions to teaching.

Hans Malmström, DDS, professor and chair, General Dentistry and AEGD program director, formally recognized Handelman for his vision, and all the donors for their generous support at the recent Handelman Conference.

"Today marks a special moment in the evolution of the Handelman Fellowship because we are presenting the first award to a General Dentistry resident, Dr. Alexis Ghanem," Malmström announced to the 275 attendees.

Before Alexis Ghanem, DDS, MS, joined Eastman as an AEGD resident in 2011, received his training in dentistry and oral surgery from the Central University of Venezuela in Caracas. While on the

faculty there, Ghanem served in a number of increasingly responsible roles, including head director of the Department of Oral Surgery and coordinator of the Dental Implants Course.

"Since his arrival, Dr. Ghanem has quickly stood out as a leader and mentor – serving as Ombudsman Class Representative," Malmström said. "He is much admired by his co-residents, faculty and staff, all who enjoy working with him. Like Dr. Handelman, he exemplifies the traits of the best teachers – clinical excellence, patience, humility and loyalty."

Malmström added that the Handelman Fellowship will be awarded only when an exemplary resident who truly embodies the spirit of the Handelman Fund is identified.

## New Bibby Librarian Named

Lorraine Porcello joins EIOH as the new Bibby Library librarian, replacing Elizabeth Mamo, who after 13 years of service, resigned to take a position with advanced responsibilities.

Mamo developed and delivered many educational programs, including searching, literature review, reference management, and Evidence Based Dentistry, which is now required for all first year students and residents.

Mamo enjoyed many career accomplishments, including extensive literature searches, she managed the digitization of all print materials in the Eastman Dental historical collection, and assisted author and historian Betsy Brayer with research and image selection for *Leading the Way*.

Bringing extensive knowledge of technical and teaching support at an academic library to the position, Porcello said she is delighted to pick up where Beth left off to assist faculty and alumni with literature searches and teaching. “And I am committed to maintaining the library’s reputation for superior customer service,” she added.

She joined the University of Rochester in 2002 as a full-time library assistant at Rush Rhees Library’s Reference Department, while going to graduate school from 2006 to 2010.

She earned two master’s degrees from Syracuse University, one in Library & Information Science and one in Information Management.

She then served as Liaison Services Librarian for Primary Care at URMC, working at both Miner Library at the School of Medicine and Dentistry and Williams Health Sciences Library at Highland Hospital.

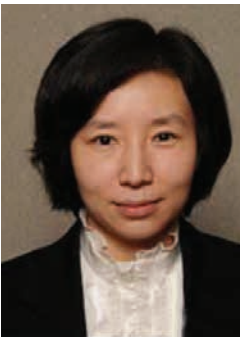
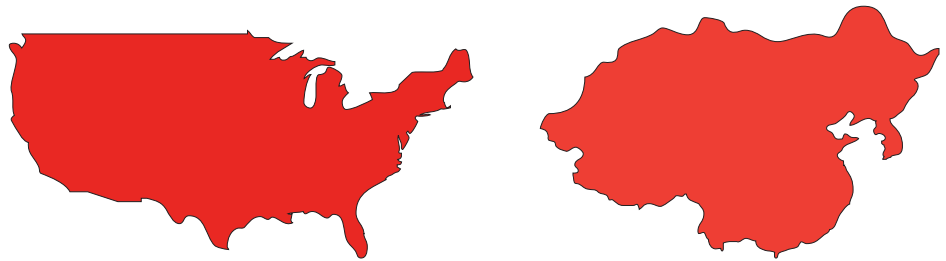
Porcello is a member of the Medical Librarians Association, Upstate New York & Ontario Chapter of MLA, Special Libraries Association, and Beta Phi Mu, an international library and information studies honor society.

Porcello and Branch Libraries Assistant Bonnie Archer will share their time between Bibby and William Libraries. Porcello can be reached at [Lorraine\\_porcello@urmc.rochester.edu](mailto:Lorraine_porcello@urmc.rochester.edu).

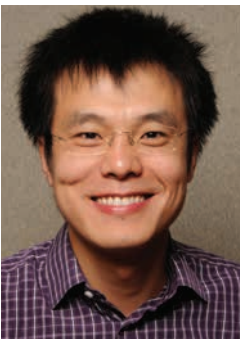
*Lorraine Porcello (center) replaces Beth Mamo (left) as Eastman Institute for Oral Health’s librarian. Also pictured is Bonnie Archer, Branch Libraries assistant.*



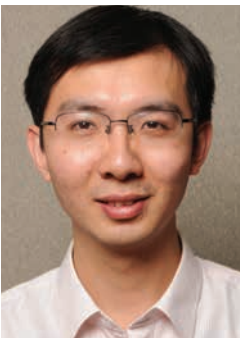
## U.S. - Chinese Exchange Program a Success



*Lin Wang*



*Tongkai Xu*



*Di Le*



*A TV crew from China was at Eastman Dental recently to learn more about the exchange program.*

China's pre- and post-doctoral dental schools have never had a fully qualified or developed General Dentistry program. But thanks to the clinical and research collaborative agreement between PKUSS and EIOH, established a couple years ago, that's about to change.

"We have two guest professors, Dr. Jie Pan, an endodontist, and Dr. Yong Jiang, a prosthodontist, who could be considered pioneers of general dentistry in China," said YanFang Ren, DDS, PhD. "They have been visiting us for the purpose of learning how an official general dentistry program is run.

They have expressed that they have achieved their goals and have gained much insights into the concept of general dentistry and the operation of an advanced general dentistry training program."

In addition, EIOH has welcomed three faculty members from PKUSS, Drs. Lin Wang, Tongkai Xu and Di Le as residents in the EIOH AEGD program. The EIOH

Oral and Maxillofacial Surgery program will soon send their senior residents to PKUSS for a one-month rotation.

"On the research side, two faculty members and one graduate student from PKUSS are participating in joint research projects with us," added Ren. "We welcome all our faculty members and residents in EIOH to explore the opportunities for collaboration with PKUSS as the school is very well equipped and has vast clinical resources."

Sharon Elad, DMD, MSc, professor and chair of EIOH's Oral Medicine Division, worked with her cohort Professor Hong Hua, BDS, MDS, PHD, chair of Oral Medicine at PKUSS, to recently host a Beijing-Rochester Oral Medicine Seminar, where an intriguing oral medicine clinical case was presented, providing a diagnostic challenge to the listeners. After great discussion among presenters and listeners, the enigma was solved.



**This Alum Traveled the Farthest for Reunion**

The main reason Gisli Einar Arnason, DDS (Ortho '07), traveled from Iceland to attend the reunion was to meet up with Eastman people, 'the Ortho family,' classmates and faculty. "I had a great time in Rochester, both on residency level and personally," he said. "I had

a great class and all the best memories are connected to time spent with my classmates – at meetings or during different projects or classes...not to forget Dr. Subtelny's Christmas party and our very own mustache competition!"

The second reason he attended was that he found the courses interesting. "You always pick up some pearls

from Dr. Subtelny and all the other lecturers were doing a good job, too."

Arnason, who has a private practice in Akureyri, Iceland, said he will definitely be attending future reunions. "I can without a hesitation recommend the same thing to everyone else!" he added.

**Kudos** to all the faculty who participated in the meaningful use of certified electronic health records incentive program, allowing EIOH to re-coup some of its major investment, and re-invest it in information technology and other technological advances to keep residents' education current and state-of-the-art and enrich their experience.

The collection of the **annual faculty/resident photos** is now available online! Check it out at: <https://tinyurl.com/EastmanPhoto>



*Albert Guay with his wife Carolyn*

**Albert H. Guay, DMD** (Ortho '66) received the American Dental Association Distinguished Service Award, the highest honor conferred by the ADA's Board of Trustees. Guay served as the ADA chief policy advisor for many years, and the Board noted that he "monitored the dental and general health environment and identified and researched emerging and potential future issues of concern to the profession and the Association."



*Paul Romano*

**Paul Romano, DDS, MS**, (Gen Den '81 Perio '97) associate professor, was named president of the 7th District Dental Society.



*Bryan Frantz*

**Bryan Frantz, DMD** (Perio '87) was elected a trustee of the American Academy of Periodontology.

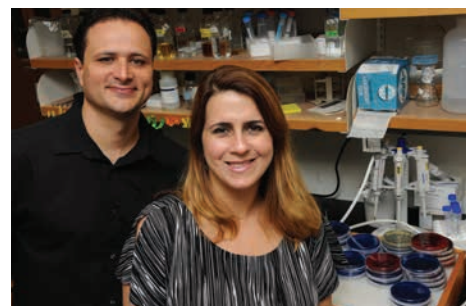


*Sean McLaren*

**Sean McLaren, DDS** (GPR '03 Pedo '06) was named program director of the Pediatric Dentistry residency program.

**Shiva Khatami, DDS** (Ortho '09) won the 2013 American Dental Education Association Olav Alvares Award.

**Bibby Library** was recently selected, among 1000 nominations, as an Honorable Mention Library in the Rochester Regional Library Council 2013 Academic Library of the Year contest.



*José Lemos and Jacqueline Abranches*

**Jacqueline Abranches, PhD** and **Jose Lemos, PhD** were recently awarded a \$1.25 million, 5-year RO1 grant, titled Intracellular Invasion by Streptococcus mutans: Significance in Disease from NIDCR.

Get Eastman Institute for Oral Health news delivered to your inbox! Send an email to [Karen\\_Black@urmc.rochester.edu](mailto:Karen_Black@urmc.rochester.edu) to subscribe.



*Maricelle Abayon*



*Lisa DeLucia*

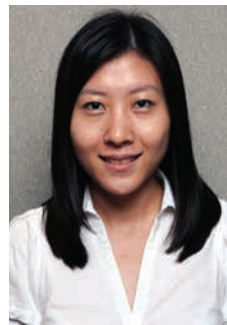
**Maricelle Abayon, DDS**, (Gen Den '09, GPR '10), assistant professor, and **Lisa DeLucia, DDS**, assistant professor, won the Golisano Foundation 2012 Healthcare Leadership Award for Exemplary Healthcare Services



*Erin Shope*

**Erin Shope, DMD**, (Pedo '12) was honored twice at the 2013 American Academy of Pediatric Dentistry meeting in Orlando for having the highest score overall on the Qualifying

Board Examination. She received the James R. Roche Award of Excellence given by the Foundation of the College of Diplomates of the American Board of Pediatric Dentistry, and the Richard C. Pugh Achievement Award.



*Jingyuan Fan*

**Jingyuan Fan, DDS, PhD**, Periodontics resident, won the \$25,000 AAP Educator Scholarship from the American Academy of Periodontology Foundation

**Alessandro Geminiani, DDS**, (Perio '12) won Best Poster in Clinical Research at the annual American Academy of Periodontology Meeting



*Marlise Klein*

**Marlise Klein, DDS, MSc, PhD**, Research assistant professor, won the GlaxoSmithKline International Association for Dental Research (IADR) Young Investigator Award

**Isabelle Chase, DDS** (Pedo '02) is the new program director at Boston Children's Hospital/Harvard School of Dental Medicine

## In Sympathy

*The Eastman Institute for Oral Health expresses sympathy to the loved ones of our deceased alumni and friends*

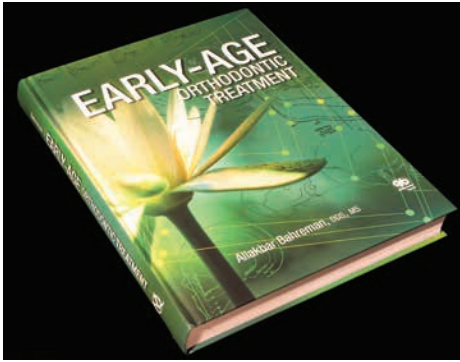
**Dr. David Stanley Richardson**  
(Pedo '78, MS '80) March 14, 2012

**Dr. Stanley P. Hazen**  
(Perio '60, MS '60) April 12, 2013

**Robert Hurlbut** March 4, 2013  
Eastman Dental Center Foundation  
Board member since 1997

### Making a Gift in Memory of a Loved One

A nice way to honor a beloved friend, colleague or classmate is to make a gift in their memory to a favorite charity. EIOH and Eastman Dental appreciate gifts in memoriam and acknowledge the donors as well as provide the family a list of contributors. Contact Carol Vanini at 585-275-2767 or email [cvanini@ur.rochester.edu](mailto:cvanini@ur.rochester.edu)



Dedicated to all who are willing to help children and solve malocclusion before it becomes complicated and costly, **Ali Bahreman, DDS** (Ortho '67), authored *Early Age Orthodontic Treatment*, a new book presenting all the information necessary to understand the morphogenesis of orthodontic problems, to differentiate among various conditions and to apply early intervention approaches to optimal effect. Seventeen years in the making, the book is derived from Bahreman's 45 years of practice, teaching and review of hundreds of articles and books.



*Patra Ong and Matthew Eppright*

**Patra Ong, DDS** (Ortho '13) Ortho resident, and **Matthew Eppright, DDS** were married on September 2, 2012 in Reading, PA.

**Elias Michael Chatah, DMD, AEGD** resident, welcomed daughter **Danielle Marie**, born April 12, 2012.



**Lauren Hood Olson, DDS** (Ortho '08) welcomed son **Watkin Alec Olson** Oct. 16.



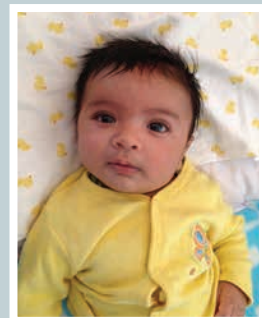
**Jeff Toothman, DDS** (TMJ '07, Ortho '09) and his wife **Cathy** welcomed **Charlotte Grace** January 2.



**Fanrui Zeng, AEGD** resident, and his wife **Fei Shi**, welcomed daughter **Mengdi (Mendy) Zeng** on January 28.



**Balu Krishna, AEGD** resident, and **Ritu Sethi** welcomed son **Ayaan K. Nair** on February 19.



# Snapshots from the Brewer Conference...



*Ms. Cynthia Welch*



*Dr. Carlo Ercoli (Prosthodontics '96, TMJ '97, General Dentistry '98, Periodontics '12),  
Dr. Jane Brewer, Dr. Jennifer Kuracina and Mr. Anthony Alexander*



*Dr. Christine Joseph,  
Dr. Elyce Link, Dr. Bin Yang  
and Dr. Audrey McNamara*



*Dr. Eufemia Carolina Pelaez  
Acosta, Dr. Hayleen Moran and  
Dr. Alejandro Sanchez-Lara*



*Ms. Linda Edmunds and Dr. Ronald Jarvis*



*Dr. Michele Carrabba, Dr. Luis Rivera  
Torres and Dr. Konstantinos Chochlidakis*

## ... and the Handelman Conference



*Dr. Michael Mayer (Gen Den '92),  
Dr. Barbara Gruchalska (Gen Den '11)  
and Ms. Mona Fine*



*Ms. Carol Redanty*



*Dr. Howard Weiner (Gen Den '85)  
and Dr. Hans Malmström*



*Dr. Nirmala Tasgaonkar  
(Gen Den '08, GPR '09)  
and Dr. Gerard Chiche*



*Ms. Sandra Jackson,  
Ms. Jasmina Salkic and  
Ms. Kim Hampton*

## Recent EIOH Publications

Abdel-Azim, T., Fantuzzo, J., Batalocco, G., Cho, S., Ercoli, C., & Morton, D. (2013). Oral rehabilitation of an edentulous patient using two-segment le fort I repositioning and implant-supported fixed prostheses. *The International Journal of Oral & Maxillofacial Implants*.

Arany, S., Benoit, D. S., Dewhurst, S., & Ovitt, C. E. (2013). Nanoparticle-mediated gene silencing confers radioprotection to salivary glands in vivo. *Molecular Therapy: The Journal of the American Society of Gene Therapy*.

Batalocco, G., Lee, H., Ercoli, C., Feng, C., & Malmstrom, H. (2012). Fracture resistance of composite resin restorations and porcelain veneers in relation to residual tooth structure in fractured incisors. *Dental Traumatology: Official Publication of International Association for Dental Traumatology*.

Bowen, W. H. (2013). Rodent model in caries research. *Odontology / the Society of the Nippon Dental University*.

Bowen, W. H. (2013). The stephan curve revisited. *Odontology / the Society of the Nippon Dental University*.

Bowen, W. H. (2013). Xylitol for adult caries. *Journal of the American Dental Association*.

Buddula, A., Assad, D. A., Salinas, T. J., Garces, Y. I., Volz, J. E., & Weaver, A. L. (2012). Survival of dental implants in irradiated head and neck cancer patients: A retrospective analysis. *Clinical Implant Dentistry and Related Research*.

Calnon, W. R. (2012). Shortcomings of study on dental x-rays and risk of meningioma. *Cancer*.

Cedro, M., Moles, D. R., & Hodges, S. (2012). Adult orthodontics in the absence of orthognathic treatment: A hospital perspective. *Journal of Orthodontics*.

Cheng, T., Sun, G., Huo, J., He, X., Wang, Y., & Ren, Y. (2012). Patient satisfaction and masticatory efficiency of single implant-retained mandibular overdentures using the stud and magnetic attachments. *Journal of Dentistry*.

Cordaro, L. (2012). Alveolar reconstruction for implant placement: Different techniques for different defects. *Zhonghua Kou Qiang Yi Xue Za Zhi = Zhonghua Kouqiang Yixue Zazhi = Chinese Journal of Stomatology*.

Cordaro, L., Boghi, F., Mirisola di Torresanto, V., & Torsello, F. (2012). Reconstruction of the moderately atrophic edentulous maxilla with mandibular bone grafts. *Clinical Oral Implants Research*.

Cordaro, L., di Torresanto, V. M., Petricevic, N., Jornet, P. R., & Torsello, F. (2013). Single unit attachments improve peri-implant soft tissue conditions in mandibular overdentures supported by four implants. *Clinical Oral Implants Research*.

Cordaro, L., Torsello, F., Chen, S., Ganeles, J., Bragger, U., & Hammerle, C. (2012). Implant-supported single tooth restoration in the aesthetic zone: Transmucosal and submerged healing provide similar outcome when simultaneous bone augmentation is needed. *Clinical Oral Implants Research*.

Cordaro, L., Torsello, F., Mirisola di Torresanto, V., & Baricevic, M. (2013). Rehabilitation of an edentulous atrophic maxilla with four unsplinted narrow diameter titanium-zirconium implants supporting an overdenture. *Quintessence International*.

Derr, A. M., Faustoferri, R. C., Betzenhauser, M. J., Gonzalez, K., Marquis, R. E., & Quivey, R. G., Jr. (2012). Mutation of the NADH oxidase gene (nox) reveals an overlap of the oxygen- and acid-mediated stress responses in streptococcus mutans. *Applied and Environmental Microbiology*.

Dhima, M., Arce, K., Moore, E. J., Rieck, K. L., & Salinas, T. J. (2013). Novel oncologic, surgical, and prosthetic treatment of high-grade surface osteosarcoma, osteoblastic mandible type. *Journal of Oral and Maxillofacial Surgery: Official Journal of the American Association of Oral and Maxillofacial Surgeons*.

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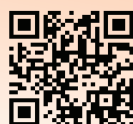


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*Dr. J. Antonio Bello (Prosthodontics '84) and Mr. Roger Friedlander catch up at a recent Eastman Dental Center Foundation Board meeting.*

*A warm welcome to Dr. Bruce Tandy (left), a general dentist from Vernon, CT, and Dr. Michael Grassi, an endodontist from Pittsford, NY, who have recently joined the Eastman Dental Center Foundation Board. You will learn more about them in the next issue.*

