

MOMENTUM

2015 · Volume 1



Breaking Barriers for
Patients with Special Needs

Story on page 8



Dr. Eli Eliav



We've been thinking about many ways to celebrate our remarkable history while leveraging this momentous occasion to let the world know about our exciting future. Beginning next spring, we will mark the celebration locally and regionally with a variety of events. Please save June 8-10, 2017, where we will host scientific sessions representing all the specialties, CE courses, and presentations from oral health leaders around the world. We'll wrap up our Centennial Celebrations by joining together Saturday evening for a special Gala to mark our past accomplishments and community service and exciting future global impact.

As a valued member of the EIOH family, we need your ideas, involvement and inspiration. You will begin to see this logo treatment of our Centennial in many places, including our emails, presentations and other documents. Please visit the EIOH Centennial website (eioh100years.urmc.edu), as it will be updated frequently.

Please join me as we welcome several new faculty members. Joining our new Orthodontics Chair Dr. Emile Rossouw is Clinical Director Dr. Robert Malloy (Orhto '00). Dr. Konstantinos Chochlidakis (Prosthodontics '13) and Dr. Alexandra Tsigarida have joined EIOH, as assistant professors for Prosthodontics and Periodontics, respectively. Dr. Takahiro Takano joins the Center for Oral Biology as a research assistant professor.

On the Cover

EIOH's Dr. Jin Xiao (GenDen '13, GPR '14) and Dental Assistant Ms. Robin Gaskin with patient Mr. Jessie Dukes.

EIOH continues to lead the way by taking major steps to improve access to care for patients with special needs, including intellectual and developmental disabilities and medically complex conditions. (See stories, pages 8-13)

Cover photo: Angela Huss Marvin, LMSW

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We most recently announced that Dr. Antonia Kolokythas has been named chair for Oral and Maxillofacial Surgery, after a national search that yielded many wonderful candidates.

You'll also read in this issue how EIOH has landed three major grants, thanks to the leadership, diligence and innovative thinking of those involved. Dr. Dorota Kopycka-Kedzierawski and her team will be taking a new look at how to prevent Early Childhood Caries, while Dr. Sean McLaren and his team will be embarking on a new training program to greatly enhance care for patients with special needs. Dr. Rob Quivey, who is partnering with the University of Washington, will continue his work in finding ways to prevent caries.

I'd also like to extend a warm welcome to Mr. Jim Fulmer, who recently joined our Foundation Board of Directors. As I mark the second anniversary of joining EIOH, I want to thank the entire EIOH community for your ongoing commitment and dedication to advancing our mission and continually improving the education, research and clinical care that makes EIOH so extraordinary.



Eli Eliav, DMD, PhD
Director, Eastman Institute for Oral Health
Vice Dean for Oral Health, University of Rochester



Thanks to the five lead donors who helped make the Prosthodontic Dept. renovations a reality. Pictured here with Drs. Ercoli (far left) and Graser (far right) are (standing) Drs. Izchah Barzily and Marianne Bafile, (1 to r) Drs. Antonio Bello and Evangelos Rossopoulos and seated center, Dr. Harry Rosenstein.

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Alumni Amazed and Overjoyed with New Clinic

It was more than a ribbon cutting ceremony. Way more. Men and women of all ages traveled from around the globe to celebrate reaching a common goal. They were each driven by the same desire – to give back to the place that had given them so much. An education that exceeded their expectations and reached far beyond textbooks and clinical procedures.

People who went through the EIOH Prosthodontics program graduated a different person than when they began two or three years earlier. Their short time at Eastman was life changing--challenged on many levels to dig deep within themselves and to experience service and compassion unlike ever before. They developed lifelong friendships with fellow residents, and unknowingly became life preservers for so many patients.

Surprised at the major changes since his last visit some five years earlier, Dr. Mansour Assery (Prosthodontics '88) who traveled from Saudi Arabia to attend the event, was amazed at the transformation. "It's so different and beautiful!" The pristine \$1.3 million renovation and expansion was finally finished, a dream come true for EIOH Prosthodontics Chair Dr. Carlo Ercoli (Prosthodontics '96).

A complete makeover for the entire clinic, including additional treatment rooms that feature the latest technology and equipment, has greatly improved patient privacy and comfort and significantly enhanced care provision.

But on this day, the party spontaneously began before the speeches. Alumni excitedly greeted each other with wide smiles and long hugs, astonished by the sight of the new



clinic. “It’s a very emotional moment,” said Dr. Izchak Barzilay (Prosthodontics ’86, MS ’91). “The new residents are going to realize they will be working in a facility that is on par or even better to what they will work on when they enter into practice.”

“I’m ready to re-apply to the program as a student again!” joked Dr. Evangelos Rossopoulos (GenDent ’82, Prosthodontics ’84). “Seriously, this has always been the top Prosthodontics program in the U.S., and now it has the top facilities.”

“It shows the commitment from the department and the university about the importance of a quality education,” Dr. Barzilay continued. “To provide them with the ideal environment in which to learn, when they’re not fighting with equipment or supplies. Now, they will handle the top of the line of everything. As a result, we will produce better people. Supporting this effort was a no-brainer.”

Friends, who knew they were reunited for just a short time, relished in reminiscing about the past, and celebrating the future.

Special guests included Dr. Jane D. Brewer, whose father Dr. Allen A. Brewer, widely recognized for his research and leadership in the field, was the first chair of the EIOH Prosthodontics Program beginning in 1968.

Over the following 10 years, Dr. Brewer built the prosthodontic program to the prominence it enjoys today. Dr. Brewer passed away in 1987, but his enthusiasm for education, research and the profession lives on through generations of students and colleagues who were influenced by him both professionally and personally.

“The Brewer Family is so proud of the legacy our father left, and to have witnessed its growth into what the Eastman Prosthodontic Family is today,” Dr. Jane Brewer said. “What a spectacular clinic it has produced, in which to continue its tradition of excellent training! What resident or professor would not be thrilled to provide patient care in this facility? From its humble but strong roots, this postgraduate program has achieved international stature and is recognized for its significant contributions to prosthodontics. My Dad is pleased!”

“For years, Carlo Ercoli advocated for this clinic renovation,” said Eli Eliav, DMD, PhD, EIOH Director. “Thanks to his vision, leadership and hard work, along with the generous commitment and support of all the donors, this beautiful clinic has become a reality.”

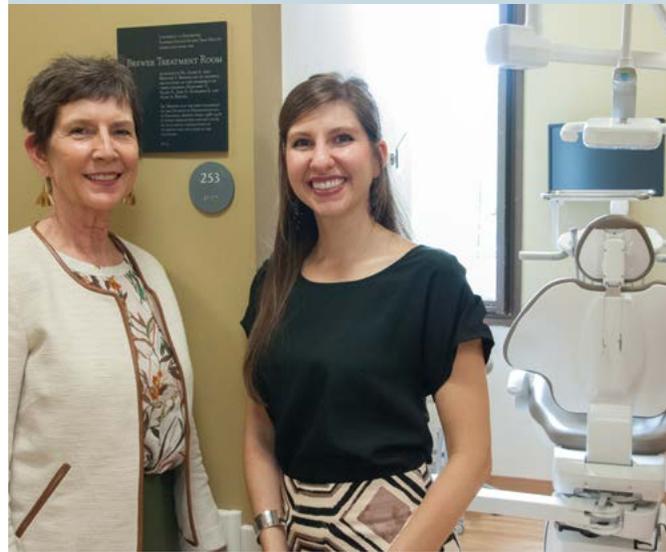
A debt of gratitude is extended to five dedicated alumni, who, when plans for the project were announced, each pledged \$100,000. They are Drs. J. Antonio Bello (Prosthodontics '84), Izchak Barzilay (Prosthodontics '86, MS '91), Mariane Bafile (GenDen '85, Prosthodontics '87) and Harry Rosenstein (Prosthodontics '85), Evangelos Rossopoulos (GenDen '82, Prosthodontics '84).

When Dr. Ercoli spoke, his overwhelming joy and gratitude were evident.

“This group of people makes me rejoice,” he said about URMCM leadership, Prosthodontics alumni, residents, faculty and staff. “We’re grateful for all of the unwavering support and stewardship. I also want to thank Cyril Meyerowitz for his guidance, mentorship and commitment to helping make this project happen.”

“It was here at Eastman that this family was formed, and I am ever so proud to be a part of it,” added Dr. Antonio Bello. “The alumni from this great prosthodontics group span across the globe and have become well known for their reputation and commitment to the field of prosthodontics.

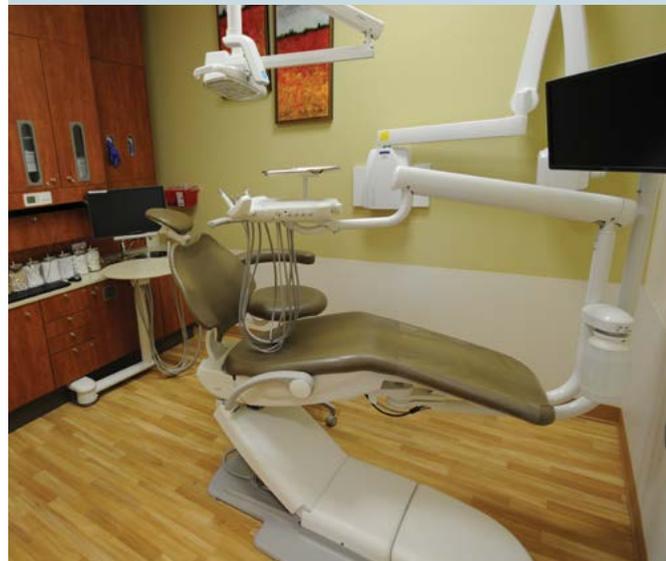
“They’ve carried out the tradition of placing EIOH at the highest level possible,” he continued – “and this is what makes this great institution – part of the U of R – a fantastic place to be.”



*Dr. Jane Brewer and her daughter Dr. Gillian Brewer
Alexander Hazboun*



Dr. Carlo Ercoli, Mr. Thomas Graber, Dr. Antonio Bello



One of new state-of-the-art treatment rooms

Training Young Dentists Now and Later

“WHEN I FIRST BEGAN MY CAREER in dentistry, I focused only on treating patients, but soon I began teaching and doing research at the Eastman Institute for Oral Health because I wanted to do more. Decades later, my wife, Nancy, and I helped raise funds for a fellowship to support a prosthodontic graduate resident in perpetuity—so, in a way, we’ll be helping to train young dentists forever. We also established a charitable remainder unitrust that will ultimately support the prosthodontic program. In the meantime, that unitrust, which is invested in the University’s endowment, provides us some income during our retirement. As the fund grows, our retirement income and estate gift grow with it, enabling us to do more now *and* later. For us, the endowment felt like the right place to put a portion of our money.”

— *Gerald N. Graser, DDS, MS, ’72D (PDC), ’75D (MS). Dr. Graser is pictured with his wife, Nancy, at the Eastman Institute for Oral Health, where Dr. Graser served as chair of the prosthodontic division for three decades and currently is professor emeritus, teaching part time.*



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All gifts count toward *The Meliora Challenge*, a University-wide fundraising Campaign that was launched in October 2011 and runs through June 30, 2016.



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The
MELIORA
CHALLENGE

EIOH Awarded \$3.5M to Train Dentists for Treating Patients with Special Needs



Dental Assistant Ms. Glendora Lester, Dr. Salvatore Colombo (Pedo '15) with patient Mr. Kristopher Warden

UR Medicine's Eastman Institute for Oral Health has been awarded a \$3.5 million grant for an innovative educational initiative – a major step in reducing the health disparities among people with special needs.

Funded by the Health Resources and Services Administration, part of the U.S. Department of Health and Human Services, the five-year program will train more than 100 pediatric and general dentists, plus numerous hygienists, dental assistants and other staff in treating the unmet oral health needs of adults with intellectual and developmental disabilities and other conditions they've contracted since childhood, such as Type I diabetes, congenital heart defects, cystic fibrosis, muscular dystrophy—across their lifespan.

Advances in medicine have led to increases in life expectancy for patients with childhood congenital or acquired diseases. The current system is unequipped to provide high quality dental care for this growing population of patients as they enter adulthood.

Lack of access is the biggest barrier for this patient population to achieve oral health in underserved communities, primarily because 75 percent of dentists do not treat patients with Medicaid, nor do they have adequate training or facilities. As a result, the number of Dental Health Professionals Shortage Areas has increased from 1,895 in 2001 to 4,900 in 2014.

Led by EIOH Pediatric Dentistry Interim Chair Sean McLaren, DDS, the new program provides four different options for post-doctoral training. Similar to medical residents who can specialize in Internal Medicine and Pediatrics, pediatric and advanced general dentistry residents can now – for the first time – achieve proficiency in treating patients with special health care needs from birth to advanced age.



Dr. Sean McLaren

The training will take place at UR Medicine’s new Center for Adults with Special Health Care Needs and Eastman Institute for Oral Health, beginning in July 2016. Hans Malmstrom, DDS, chair, EIOH’s Advanced Education in General Dentistry and YanFang Ren, DDS., PhD, MPH, EIOH professor and clinical chief of Eastman

Dental’s urgent care clinic will also have integral roles in this new training program.



Ms. Ann Costello

“The dental residents will gain valuable exposure to adult medically complex patients while interacting with the medical faculty and residents throughout the program,” said Dr. McLaren. “This will provide the physicians and dentists valuable collaboration, which will in turn, greatly enhance patient care.”

Obtaining this grant is another step EIOH has taken to further reduce the health disparities experienced by individuals with intellectual and developmental disabilities. The B. Thomas Golisano Foundation and EIOH formed a taskforce of experts in 2012 to identify gaps and barriers that explain why dental care is the number one unmet healthcare need. Among the many recommendations were to increase the number of providers and their skills when treating patients with special needs.

Since then the Golisano Foundation and EIOH have worked together to reach these goals through a variety of measures.

“Eastman Institute for Oral Health is committed to helping patients with special needs through direct treatment, wide-ranging support, and by educating current and future providers,” said EIOH Director Eli Eliav, DMD, PhD. “We are very pleased that Eastman Institute is providing dental care for people with intellectual disabilities in their communities,” said Ann Costello, director, Golisano Foundation. “From teaching dental residents and specialists how to care for people with disabilities to including patients with special needs in private dental offices and community health centers - we hope these innovative practices can be replicated around the U.S. and world” said Ann Costello, director, Golisano Foundation.

In 2012, the Foundation pledged \$12 million to the Special Olympics to launch Healthy Communities, issuing a call to action to community stakeholders to help close the healthcare gap experienced by people with intellectual and developmental disabilities. For years, EIOH specialists have provided operating room dental care for patients with severe intellectual and developmental disabilities, trained dozens of dentists through dental screenings at Special Olympics events, helped numerous athletes obtain needed dental care, and expanded Spread the Word to End the Word campaigns.

In addition, EIOH is building a new SMILEmobile outfitted with a wheelchair mount capable of traveling to group homes or community meeting places to maximize access for patients.



This athlete is all smiles as she practices brushing techniques.

EIOH Named a Partner of Excellence



Volunteers from EIOH, Special Olympics and the Golisano Foundation worked together to provide treatment and education to improve access to care.

Eastman Institute for Oral Health was given a Special Olympics Healthy Communities Partner of Excellence Award, for its ongoing commitment to a world in which all people with intellectual and developmental disabilities (IDD) and their families live in dignity, with equal rights and access to health care services and resources.

“Eastman has been a partner in this work even before we started our Healthy Communities project,” said Onolee Stephan, MPH, director, Special Olympics’ Community Health Program, “through their Oral Health Task Force.”

The task force was formed in 2012 by EIOH and the Golisano Foundation to identify gaps and barriers that explain why dental care is the number one unmet healthcare need. Among the many recommendations that resulted from this effort were to increase the number of providers and their skills when treating patients with special needs.

In the same year, the Golisano Foundation pledged \$12 million to the Special Olympics to launch Healthy Communities, issuing a call to action to

community stakeholders to help close the healthcare gap experienced by people with intellectual and developmental disabilities. In addition to poor oral health, people with IDD struggle with obesity, hearing and vision loss and low bone density.

Healthy Communities was launched in six U.S. states and eight countries, and is expanding the principles of healthy living to a steady presence in the lives of Special Olympics athletes and their families. It also aims to educate healthcare professionals about working with people with ID, which EIOH has also embraced.

“We are proud to be a part of this effort and conduct dental screenings at Special Olympics’ games throughout the year,” said Holly Barone, RDH, MS, chief administrative officer at EIOH. “We are breaking down barriers two ways – first, by introducing dentists to patients with special needs and in turn, providing a positive dental experience for patients.”

Hani Alsibai, BDS, who is training to be an Orofacial Pain specialist at EIOH, is one such dentist who was introduced to patients with special needs for the first time at an event earlier this year.

“I was definitely nervous,” Dr. Alsibai remembered. “I was unfamiliar with what I should do, because I thought this kind of patient would be uncooperative, have difficulty communicating or get angry easily.” But his anxiety disappeared in the first few minutes.

“I watched the dentists doing their jobs, how they approached the patient and conducted the oral screenings, and then I started doing the same thing,” he said.



(l to r) Drs. Hani Alsibai, Zhibui Wang, and Navid Farzadfar observe as Dr. Virginia Fontenla Yanez screens an athlete.

Dr. Alsibai enjoyed the experience so much, that he volunteered again in June, at the 2015 Special Olympics NY State Summer Games at SUNY Brockport. “I’ve learned a few strategies to initially gain the patient’s trust. They are friendly, cooperative and compliant. Besides the screenings, it was a great chance to meet the patients’ parents, and other providers.”

He noticed at both events, that many athletes have worn teeth, which usually occur when people clench or grind their teeth, and could cause other symptoms like headaches or pain, a common complaint for patients with TMJ disorders.

“I’m very glad to have this exposure and experience, and will definitely welcome patients with IDD in my future practice,” he added.

Throughout the year at Special Olympics events, dozens of EIOH residents have had similar experiences as Dr. Alsibai, thanks to the dedication of those who have provided education and training to them.

“A special thanks to Drs. Lisa DeLucia, Maricelle Abayon, Vineela Redla and Abra Caroci for their ongoing commitment and leadership,” said Ms. Barone, “and to all who volunteer for taking the time from their personal lives and families to provide this extremely important work.”

The dental screenings have revealed that one in four athletes have untreated tooth decay, and 10 percent

have pain or infection. “Eastman has opened their doors and welcomed our athletes as patients,” Ms. Stephan said. “We can’t thank Eastman enough for all their work.”

At the Summer Games, EIOH was privileged to be a part of the Healthy Athletes, where athletes received free health screenings in one location, including dental, vision, hearing, biometrics and health education, stress management, podiatric care, and strength and flexibility.

Special Olympics President and CEO Neal Johnson spoke to the healthcare providers before the events started. “Special Olympics is often the only time athletes will see a medical professional to find out if they can be helped, and that happens because of Healthy Communities and professionals like each and every one of you,” he said. “I can’t tell you how many people have come up to us after events like these to tell us they’ve decided to pursue a practice in special needs populations because of this experience. Thank you for who you are and doing what you do.”

“The event was unique in that we were able to collaborate with dental professionals from various stages of training and institutions,” said Dr. DeLucia.

“Dental professionals from Eastman, University of Buffalo School of Medicine and Dentistry, the local community and RGH came together to screen some 260 athletes. For some, this was their first interaction with Special Olympics athletes and their energy and enthusiasm was contagious.”

Other Partner of Excellence Award winners include Arc of Monroe, Healthy Highway, Heritage Christian Services, Monroe Community College, Strong



Drs. Abayon and DeLucia with Ms. Holly Barone

Center for Developmental Disabilities at the University of Rochester, and YMCA of Greater Rochester.

EIOH Receives Grant to Study Early Childhood Caries



Dr. Dorota Kopycka-Kedzierawski

Eastman Institute for Oral Health has been awarded a \$3.5 million grant that, for the first time, will scientifically explore how family functioning, stress, and parenting behaviors may lead to Early Childhood Caries, a significant public health problem that disproportionately affects children living in poverty.

The grant is funded by the National Institute for Dental and Craniofacial Research, part of National Institutes of Health. Tooth decay is the single most common chronic childhood disease—more common than asthma, obesity, and diabetes. ECC is painful and negatively affects speech, eating and nutrition, sleeping, learning, and overall quality of life.

“From an oral biology perspective, we fully understand what factors lead to ECC,” explained Dorota Kopycka-Kedzierawski, DDS, MPH, associate professor of Dentistry and the principal investigator of the project.

“But despite the many attempts worldwide to prevent ECC, particularly over the past few decades, we’re not making substantial progress in reducing Early Childhood Caries. In fact, there is a distressing tendency for recurrence following treatment.”

This novel, interdisciplinary study will follow more than 200 children ages 1 to 3 who are at a high risk for ECC, but are initially cavity-free, for two years. Children will be examined for cavities every six months

and it will include assessment of nutritional, social, and behavioral influences on the risk of developing ECC. Findings from the study could substantially lead to improvements on the prevention of ECC.

Thomas O’Connor, PhD, professor of Psychiatry and director of URMC’s Wynne Center for Family Research, is a co-investigator and has a long history of studying how stress and family factors shape biological mechanisms that lead to behavioral and physical illnesses.

“Early Childhood Caries is a complex disease with many factors playing a role,” said EIOH Director Eli Eliav, DMD, PhD. “This study is critical in improving the knowledge base of how some of these factors determine risk for young patients.”

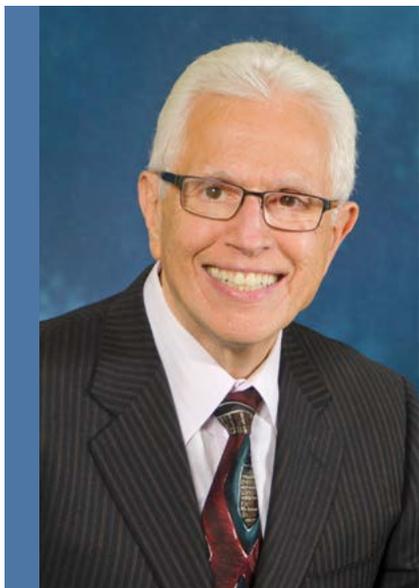
For nearly 100 years, EIOH has been treating underserved children. EIOH experts have made significant strides in evidence based research related to ECC, and have developed innovative approaches to education, improving access and care—including the State’s first mobile unit to reach underserved children in high poverty and rural areas, teledentistry, and training pediatricians and other providers on applying fluoride varnish.

Also on the project are Ronald Billings, DDS, MSD, EIOH director emeritus and professor of Dentistry; Robert Berkowitz, DDS, EIOH professor of Dentistry; Robert Quivey, PhD, professor of Microbiology and Immunology and director of EIOH’s Center for Oral Biology; and Gene Watson, DDS, PhD, associate professor in the departments of Dentistry, Environmental Medicine, and Pharmacology and Physiology.



Tooth decay is destructive to a child's quality of life.

New SMILEmobile To Serve Patients with Special Needs



Mr. Joseph M. Loboizzo II

A new Eastman Institute for Oral Health SMILEmobile will soon be rolling into town to provide first-of-its-kind access to people with special needs, including older adults, people with developmental disabilities and other medically complex conditions.

Unlike Eastman's three other SMILEmobiles, which are more like trailers that are transported to city schools to provide treatment to students, the new unit will be a self-contained, drivable, wheelchair-accessible dental clinic. The other units are geared to treating children, but the new unit will provide services for adults, including dentures, partials, and space maintainers, in addition to the usual cleanings, x-rays, fillings, sealants, extractions and oral health education.

The Loboizzo Family Advised Fund of the United Way of Greater Rochester donated the major funding to build the custom designed unit. Joseph M. Loboizzo II, local businessman and founder of JML Optical, said he and his family are excited about reaching hundreds of Rochester area residents whose oral health care needs often go unmet because of various challenges, including lack of transportation and few providers who are able to treat patients confined to wheelchairs.

"This new SMILEmobile gives immediate access to a myriad of agencies, group homes, and special needs centers," Loboizzo said. "Such accessibility has never been offered in Rochester and is rare in other communities." Access is an issue that's very important to him. When he heard in 2005 about how a bridge would solve the

frustrating challenge that faced many patients in wheelchairs who parked in the main hospital garage, and had to travel over snowy or muddy grass to get treatment at Eastman Dental, he provided the funds to make it happen.

"Every month when I arrive for a meeting," said Loboizzo, who serves on the University of Rochester Medical Center Board, "the sight of the bridge warms my heart."

"We are deeply grateful to Mr. Loboizzo for his generosity and heartfelt desire to help those in need," said Eli Eliav, DMD, PhD, director of Eastman Institute for Oral Health. "Oral health care is the number one unmet health need among people with special needs. His gift will allow Eastman specialists to reach these patients in an unprecedented fashion, as well as to train the next generation of providers."



The new SMILEmobile will include a lift to allow access to care and comfort for patients who are wheelchair-bound.

For Loboizzo, who believes people with developmental disabilities and older adults have somewhat become marginalized throughout our country, he feels it's imperative to give back. "For me, giving back always feels right, especially when helping those who need it most."

The new SMILEmobile is being custom built and is expected to be on the road serving patients next Spring.



Drs. Carlo Ercoli, Eli Eliav, Mark Taubman, Paul Romano and Jack Caton

New Fellowship Embodies Education and Research Excellence

When University of Rochester Medical Center CEO Mark Taubman, MD meets with alumni around the country, they always ask him about their former teachers.

“We earn our great reputation by training people who do great things,” said Dr. Taubman during the recent celebration to mark reaching the initial goal for the Jack Caton Endowed Fellowship. “It’s very clear what Jack is most proud of – among all the wonderful achievements he has made – is seeing the people he’s trained and their accomplishments clinically, educationally and research wise.”

“The Caton Fellowship recognizes young individuals who have a potential to become leaders in periodontology and academic

dentistry,” said Carlo Ercoli, DDS (Prosthodontics ’96, TMJ ’97, GenDen ’98, Perio ’12), chair and program director, EIOH Prosthodontics. The fund has received more than \$500,000 in gifts and pledges, thanks to the generosity, loyalty and dedication of all those who have donated to date. “Together, we can make a world of difference, one step at a time. I would like to thank everyone who contributed – it is truly an honor to partner with you for this important effort.”

“Jack Caton has been so important to the fabric of EIOH for many, many years,” added Dr. Taubman. “I would like to thank the alumni and donors who made gifts to help establish the Caton fund in his honor.”

As one of Dr. Caton’s former residents, Paul Romano, DDS, (GenDen ’81,

Perio ’97) remembered how the best interests of the residents were always top of mind for him. “No matter how hard he was,” said Dr. Romano, “he was always in your corner. This fellowship embodies what Jack is all about--promoting education and research for students, residents and young faculty.”



Dr. Caton and his wife Harriet stand with Dr. Carlo Ercoli, Ms. Michele Romano, Dr. Bryan Frantz and Dr. Fred Bonacci to see the newly unveiled commemoration.



Mrs. Harriet Caton, Dr. Pam McClain and Dr. Alan Polson

Dr. Jack Caton has become synonymous with Eastman's Perio program, Daniel Weitz, DDS (Perio '13) surmised, because of the positive impact he's had on so many. "The very close friendships I've developed, and the great relationship residents have with faculty is a true testament to Dr. Caton's leadership," he said.

"Dr. Caton placed people in a pressure situation where they have to learn to put their differences aside and focus on functioning as a team."

Dr. Romano was one of many who expressed his admiration at Dr. Caton's long list of accomplishments and successful ventures. In his remarks, he paraphrased Albert Einstein, who once said, "Rather than become a man of success, try to become a man of value."

"Jack Caton has earned loyalty from his patients and staff, he has a great rapport with other dentists, he's been extremely successful in education

and research, as his publications have become staples in residents' literature," Dr. Romano added. "I asked him once what he attributes to his incredible success and how he juggles everything so well. Without hesitation, Jack answered, 'I don't think about it, I just get up and go to work.'"

Like so many of his mentees, Caton motivated Jingyuan Fan, DDS, PhD, (Perio '14), who was the first recipient of the Caton Fellowship.

"I have been deeply influenced by Dr. Caton for his vision of academic excellence," she said. "He has motivated me to pursue an academic career and achieve excellence in teaching, research and clinical treatment. Thank you for making the Caton Fellowship a success, and for your generosity and kindness--which will help strengthen the program for years to come."

"As federal funding continues to fade, we will increasingly rely on

fellowships," said EIOH Director Eli Eliav, DMD, PhD. "This fellowship will ensure deserving professionals will have the opportunity to become great professors, scientists and clinicians.

"My thanks to Jack for all the great things he's done and continues to do for EIOH, and to all who contributed to confirm his legacy."

"To give back in the name of someone who's given so much," Dr. Weitz added, "is a really special honor. It allows me to contribute to the Eastman family and to the growth of that family in Jack Caton's name."

"Jack, as a teacher, mentor, colleague and friend," Romano concluded, "On behalf of all the students you trained--you gave us the tools to be successful, and to become people of value. We deeply appreciate it and are proud to be a part of this effort."

Dr. Berkowitz Retires



Dr. Robert Berkowitz

Dr. Robert Berkowitz has retired from his role as Chairman of the Pediatric Dentistry Department, but will remain involved on a part time basis. Throughout his career, he has earned great respect in the classroom, research arena, and operating room. Dr. Berkowitz re-invented, expanded and improved the pediatric dentistry program, significantly

increased access to care for the underserved, and has mentored hundreds of reputable clinicians and academics.

“It’s undeniable that Dr. Berkowitz has made a lasting impact on his residents, the EIOH program and the global pediatric dentistry community,” said Dr. Eli Eliav, who presented an award to Dr. Berkowitz for his outstanding achievements at the 2015 Convocation. “He has dedicated his career to advancing research, excellence in education and clinical care, and we are very grateful.”

Dr. Brian Winslow, a part time EIOH faculty member for 29 years, said he has seen the Pediatric Dentistry Department change from a clinic that was run more as an extension of a dental school to a residency program that is training residents to perform at the highest level.

“Thanks to Dr. Berkowitz’s leadership,” he said, “the EIOH Pediatric Dentist residents routinely outperform the average in standardized post-residency testing and in pediatric Board scores.”

When Dr. Berkowitz began his career at Eastman 23 years ago, about 10 patients were treated in the operating room. Today, EIOH pediatric dentists treat 750+ patients each year. “The department had no

exposure in the SMH Emergency Department prior to Dr. Berkowitz’s arrival,” added Dr. Winslow. “Now, our residents are available to the ED 24/7. This is a value to the ED patients and is an invaluable learning experience for the residents, in addition to the rotations they get in Pediatrics, Anesthesia and Emergency Medicine, thanks to Dr. Berkowitz.”

Dr. Berkowitz came to Eastman in 1992 from Washington, D.C., where he served as associate chairman, Department of Pediatric Dentistry at Children’s National Medical Center and professor of Pediatrics at George Washington University School of Medicine.

“Dr. Berkowitz frequently emphasizes to residents that they are not merely tooth mechanics, rather they are oral health care professionals who work to ensure the health and well-being of the patient in context of self, family and community,” said Dr. Lisa DeLucia, EIOH assistant professor. “This philosophy of viewing the child and dental health as part of a whole has driven his research work in early childhood caries and encouraged him to seek pharmacological, surgical and behavioral solutions to this disease. He has played a major role in current thinking around the etiology and management of early childhood caries and his research contributions are numerous.”

“Dr. Berkowitz has a passion for what he does and it showed every day,” said Dr. Sean McLaren, who now serves as interim chair and stays in touch with Dr. Berkowitz, occasionally seeking his advice. “The career path that Dr. B took was not an easy one. Treating the underserved and working in a high stress environment daily can be very taxing. However Dr. B always rises above the situation and imparts wisdom to his students. He’s always been generous with advice that is insightful and reflective of his years of experience.”

Judy Belle-Isle, RN, Retires



Ms. Judy Belle-Isle

In 1976 Judy Belle-Isle wanted to earn her bachelor in science degree in Nursing, and took a job in the Intensive Care Unit at Strong Memorial Hospital so her tuition would be covered. She later worked in Strong's Ambulatory Cardiology and Emergency Departments. In 2002, she was hired at Eastman Dental for a part time position as director of the Medical Emergency

Program, then as Quality Administrator, before leaving the Emergency Department to work full time as the Associate Quality and Compliance Officer for EIOH.

Q. In what ways were your roles at Eastman fulfilling?

A. My time at EDC /EIOH was always challenging. As I assumed new roles, I was expected to develop each of the programs for the betterment of the Dental Center. The success of each of those programs/positions gave me great satisfaction and a sense of accomplishment.

Q. What will you miss the most/least?

A. I will miss the staff of EIOH, their guidance and support and especially their friendship. I will also miss the patients and being EIOH liaison to URMC. I will not miss the flu season compliance or deadlines.

Q. How will you spend your time during retirement?

A. Besides kayaking and crewing for Naiades and Rochester Boat Club, my goal is to develop a digital family tree.



CHANGING THE LIVES OF CHILDREN

One Resident at a Time

Your generosity provides so much more than financial assistance for postgraduate dental training. Your support helps build healthier smiles and allows us to best serve even our smallest patients.

To make your impact on current Eastman residents and patients visit rochester.edu/giving/smiles to give online today.



New Ortho Chair Reaches High



Dr. Emile Rossouw

When someone is asked if they've met the new Orthodontics Chair, Dr. Paul Emile Rossouw, the response is always the same: "Yes...and he's SO nice!" The response usually comes with an element of surprise that anyone could possibly be *that* nice.

"My arrival here initiated a time of excitement and a renewal of my passion for orthodontics," Dr. Rossouw said. "It also presented a time for reflection on all the wonderful things accomplished by Eastman faculty and alumni, a time serving as a tribute to a wonderful academician – Dr. Dan Subtelny."

Dr. Rossouw's 35-year career of accomplished teaching, research and clinical care makes him a perfect match with Eastman's post-graduate specialty training and research programs. He previously served as chair and professor of Orthodontics at the University of North Carolina in Chapel Hill, NC.

"I'm confident Dr. Rossouw is the right person to lead this department and to carry on the exceptional legacy of Dr. Subtelny," said Dr. Eli Eliav, EIOH director. "Dr. Rossouw brings vision, experience, proven leadership and much enthusiasm, and we are looking forward to this next chapter. We are extremely grateful to Drs. Subtelny and Fishman, as well as all the orthodontic faculty, staff, and alumni for their steadfast dedication and commitment."

"Since I've arrived, I've been able to gain an appreciation of the inner workings of the program and to observe the clinical functioning," he said. "We have a superb team of faculty members. Together, we will inspire our residents to continue this Eastman tradition of excellence."

Reaching great heights – figuratively and literally – has always been a way of life for Dr. Rossouw. A competitive athlete throughout high school and college in his native South Africa, he was the first athlete in the world to jump higher than 2.13 meters (7') at the age of 16. He ultimately reached a height of 2.185m (7'2") which not only resulted in a record, but he was ranked in the top 10 high jumpers internationally.

Those feats qualified Rossouw for the Olympics in 1972 and 1976, but because of the South African political status internationally at the time, he was unable to participate. And, despite the many athletic scholarship offers he received, it was academics that brought him to Canada and the U.S.

So what made him so nice?

"I have come to realize that the most important competition is the one where you run the race against yourself," he said. "I'm always striving to make myself a better person, but never at the cost of anyone else. It's important for me to participate at a high level – on the sports field or in my career. The participation is worth more than the winning."

After receiving his dental degree at the University of Stellenbosch, the world-renowned Dr. Rossouw earned advanced degrees in pediatric dentistry and orthodontics before earning his PhD in dental science, all at the same university.

He later became professor and chair of the University of Stellenbosch's Department of Orthodontics, a position he held for many years until he was recruited to run the Orthodontics Department at the University of Toronto. After seven years in that role, he was named director of the university's Burlington Growth and Research Centre there.

In 2002, Dr. Rossouw was recruited by Baylor College of Dentistry, a division of the Texas A&M University in Dallas, where he was appointed professor and clinic director in the Department of Orthodontics. In 2004, he served as professor and chair of the Department of Orthodontics in 2004 before joining the University of North Carolina in 2010.

Dr. Rossouw obtained an Orthodontic Specialty Certificate from Baylor College of Dentistry in 2006 and became American Orthodontic Board Certified in 2007.



Dr. Rossouw set world records as a young athlete

His published works range through the areas of clinical orthodontics, biomaterials, jaw growth and long-term stability. Dr. Rossouw, who has lectured nationally and internationally, has contributed more than 130 publications to the dental literature, which include scientific articles, book chapters and abstracts.

Robert Malloy Jr., DMD, Joins as Clinic Director



Dr. Robert Malloy Jr.

“If a person can feel this excited about choosing a new career path, then they’ve obviously made the right decision,” said Dr. Robert Malloy, DMD, (Ortho ’00) who recently joined EIOH’s Orthodontics as its new clinical director. “That’s how I feel. I’m thrilled to be returning to Eastman. It is such an honor to have the opportunity to be a part of this incredible program and work with our wonderful faculty and residents.” Dr. Malloy, who exemplifies EIOH’s mission of community service, joins us from Montana, where he’s been in private practice for the last 15 years.

Welcome New Faculty



Drs. **Alexandra Tsigarida, DDS** and **Konstantinos Chochlidakis, DDS**, shown with their son Michael, have joined Periodontology and Prosthodontics, respectively.

Both born and raised in Greece, they graduated from the National Kapodistrian University of Athens Dental School in 2008, and then worked as general dentists in England to prepare for their goal of working as specialists in the U.S. Shortly afterwards, Dr. Tsigarida began the Periodontology program at The Ohio State University and Dr. Chochlidakis entered the Prosthodontic program at EIOH.

Being apart for the three years of their residency was not easy for this young couple, but their focus to succeed helped them throughout this time. During their separate residency programs, they each published research findings, earned awards, participated in conferences, and were named chief residents. Reunited, the next two years were spent at Temple University's Kornberg School of Dentistry as assistant professors. Today, Dr. Chochlidakis is glad to be back in Rochester with his wife and son. "This is my second home."



Dr. Takano joins EIOH's Center for Oral Biology from the Center of Translational Neuromedicine at the UR. When he realized his main research interests are similar to Dr. Eli Eliav's research, joining COB fit his desire to be in an environment that shares academic interests.

How chronic pain symptoms are generated by peripheral nerves, which send the signal from the site of pain to the spinal cord and brain is his area of interest. "Alteration of nerve functions sends exaggerated or abnormal signals to the central nervous system, resulting in chronic pain development," Dr. Takano explained. "Conversely, the restoration of the peripheral nervous function can reverse the symptoms and alleviate people from persistent pain."

Dr. Quivey Awarded \$3.6 Million Grant to Study *Streptococcus mutans*

Dr. Quivey's lab, in collaboration with The University of Washington and Dr. Murray Hackett, recently landed a \$3.6 million grant, titled: Oxygen metabolism and its role in oral streptococcal survival and virulence.

The goal is to determine whether it is possible to tip the ecological balance in dental plaque in favor of oral microorganisms associated with health, rather than with disease.

“In pursuit of this goal, we have identified genes in the *Streptococcus mutans* genome that correlate with oxidative stress-resistance, and that are essential for survival of the organism in the presence of non-mutans, commensal, oral bacteria and colonization of the oral cavity of rats,” Dr. Quivey said. “Further, we have created additional mutations in 49 genes, whose loss renders *S. mutans* defective in both

biofilm formation and resistance to oxidative compounds. In the proposed project, they will use these 49 strains, along with additional control strains, to test the hypothesis that inhibition of oxidative stress gene function renders *S. mutans* less competitive with non-mutans bacteria normally found in the human mouth.

Such a finding would suggest that one or more of these genes would represent a potential target for novel therapeutic intervention of dental caries caused by *S. mutans*.



After completing his studies in biochemistry, biology and chemistry at Penn State University, Robert G. Quivey, Jr., continued there to earn his master's degree in Genetics, and then a PhD in Microbiology at the University of Texas at Austin. He joined the University of Rochester in the mid 1980's to work in the new field of bacterial molecular biology and the genetics of *Streptococcus mutans*. He was named the Center for Oral Biology's director in 2009. *Momentum* caught up with Dr. Quivey to learn what's new in his lab.

Q For those of us who are not dentists or scientists, what is *Streptococcus mutans*?

A *S. mutans* is a bacterium that grows on the teeth of almost everyone's mouth. W.D. Miller discovered the bacteria in 1890, but it was J. Kilian Clarke who named it *S. mutans* in 1924. *S. mutans* eats some of the sugar leftover on your teeth from your food, and also makes an acidic chemical called lactic acid. Without proper attention, dental plaque will accumulate and the *S. mutans* will eventually cause cavities, also known as dental caries. Caries is the Latin word for rottenness.

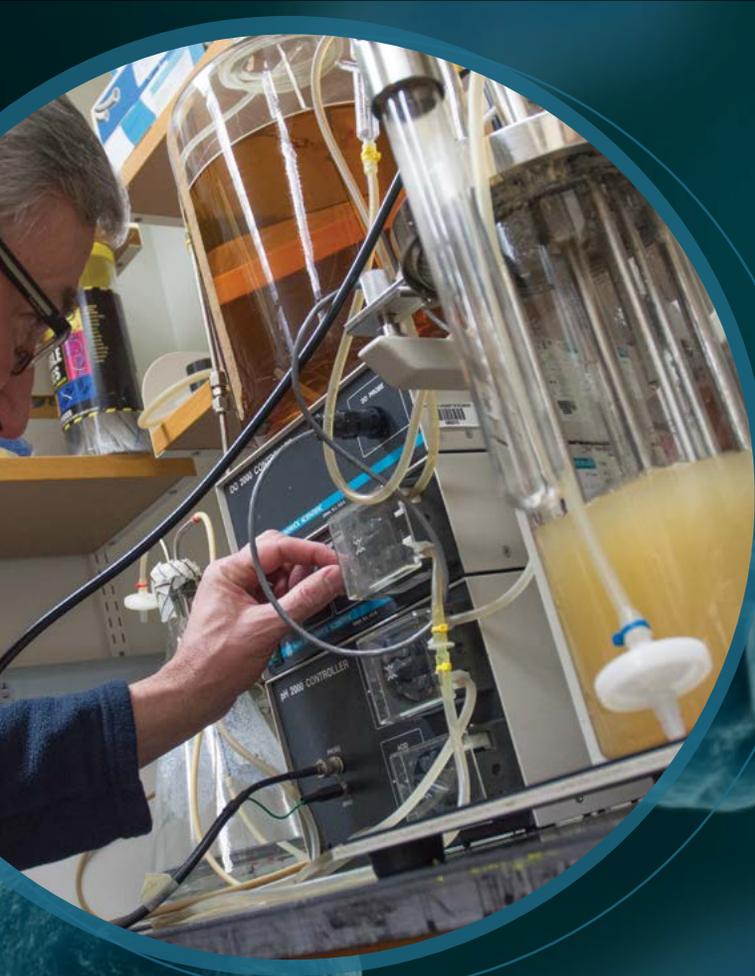
Q Explain the process of how *S. Mutans* causes harm to our teeth.

A Generally, the *S. mutans*, or this microbe or "bug" that grows on the teeth, is passed to babies after their teeth erupt. Most often, family members pass the microbe on to their children. The organism infects the mouth by using the sugars we eat in our diets to make two main products: 1) lactic acid, which causes tooth enamel to begin decaying, and 2) a gooey film on teeth that is also made of sugar that has been strung together to make the film. Almost everyone has felt that film on their teeth

and it is because of *S. mutans* that the film is produced. The film, which is really called dental plaque, or, the plaque matrix, is actually a very busy place. Many oral bacteria are captured in the matrix, as well as food particles, and *S. mutans* itself. In fact, after we are infected with *S. mutans*, it is there, in our mouths for virtually the rest of our lives. It's a tough bug to get rid of. Our work is designed to find ways to reduce the ability of the organism to compete with the other bacteria in the mouth, or to stop its growth altogether, hopefully leading to the end of dental caries.

Q Why does this topic interest you?

A The work, as part of a large number of studies being conducted in labs around the world, has been a great deal of fun. We get to experience and observe biological events that have not been identified by anyone previously. The joy of discovery is profound. In addition, the real possibility of contributing to reducing the impact of a disease that is nearly universal, but also far more prevalent in those that cannot manage their own care or in those affected by severe or life-threatening disease, is greatly



motivating. The opportunity to perform these studies with some very smart graduate students and outstanding technical assistants here at the University of Rochester, has made the job simply wonderful and a great gift in its own way.

I love the challenge of trying to outsmart a “bug” that has been around a long time, at least as far back as early-man, and one that has evolved to perfectly fit our lifestyle of eating a lot of sugary and starchy foods. The bacterium has also evolved ways to effectively compete with hundreds of other oral bacteria, so that in the plaque matrix, *S. mutans* is often the most dominant bacterium. The additional challenge is to find ways to eliminate *S. mutans* and maintain the “healthy” bacteria in the mouth that won’t cause disease.

Q Describe your approach to this complex challenge.

A The projects in our laboratory have focused on ways to prevent *S. mutans* from using its own tools that allow it to compete with other bacteria. These tools include proteins and fatty acids, which *S. mutans* uses to protect itself from its own lactic acid buildup and the toxic

products that other bacteria produce. Every bacterium in the mouth has ways to carve out its own territory. Our approach to preventing dental disease, sometimes referred to as a probiotic approach, is to learn how to encourage these other non-pathogenic, or non-disease-producing bacteria to grow, in order to prevent *S. mutans* from growing.

Q What have you learned?

A We have made some progress on our goal of identifying key parts of the *S. mutans* strategy for infecting teeth and reducing the growth of healthy bacteria. Using tools that are common in molecular biology, we have identified genes in *S. mutans* that are important for the organism in its competition with healthy species of oral streptococci. We have shown that eliminating these genes from *S. mutans* results in a substantial loss of ability to cause disease, and in *S. mutans* ability to compete with the healthy oral streptococci.

The results of our experiments have been published in international scientific journals and we will continue to develop what we know into ways to prevent the disease from occurring in people.



Mission Trip Provides Fulfilling New Outlook



Each year, Dr. Lina Vega looks forward to helping families in this village

Working for two weeks in an extreme climate and underserved area did not exactly sound like the ideal way to spend precious vacation time for Gregory Cygan, DDS. But after learning more about the medical and dental missions trip to an undeveloped village in the Honduras, a resident in the GPR program at the time, decided he wanted to give it a try.

“I wanted to spend part of my residency living up to the founding principles of Eastman Dental, which were serving people in the community who did not have access to dental care,” said Dr. Cygan (GPR ’14).

Sponsored by Shoulder to Shoulder, an organization that has been helping villages in Intibuca, Honduras for 25 years with basic health care, advanced medicine, dental services, education programs, community health programs, and nutrition.

The trip was led by Doug Stockman, MD, the director of Global Health at Highland Family Medicine, who has been working in Honduras since 2003. On this particular trip, Dr. Cygan was joined by fellow EIOH alumna Lina Vega, DDS, MPH (GenDen ’09, GPR ’10), and nine family medicine residents. The main goals are to improve the health and welfare of the community while teaching them to become self-sufficient, as well as provide valuable skills to medical and dental residents.

“Our days would start with sweeping mountain views, a tasty breakfast of fajitas or gringas, eggs and sausage, and several cups of coffee,” Dr. Cygan described.



Dr. Gregory Cygan's experience was deeply rewarding.

“Temperatures reached a humid 93 degrees each day, which was especially challenging the day we hiked for several miles over rugged terrain to deliver fluoride, educate school children, and take surveys of the community.”

Patients came from nearby villages to receive care, including routine extractions, treatment for infections, preventive and operative dentistry. “Although we did not have the type of outstanding quality of a facility like the Howitt Urgent Care clinic, we were able to provide dental care rapidly and effectively,” Dr. Cygan said.

“The patients were so grateful, which I found to be a stark contrast from the many excuses I’ve heard from patients as to why they don’t visit the dentist.” One of many included a young woman with painful facial swelling. She received antibiotics and dental treatment so she could return to her job as a nurse. Adults and especially children, Cygan said, were eager to cooperate and happy to have their needs met. That’s because access to dental care is essentially nonexistent in the San Jose area. “Most people with dental problems such as rotted teeth or dental abscesses can go months or years in pain,” Dr. Stockman explained. “Having a dentist join our trips alleviates so much suffering for the people of San Jose.” In 2010, Dr. Vega made her first trip to San Jose as

an EIOH resident. She’s been back four times since. She’s the first to say that the patients are not the only ones who benefit from the experience.

“Helping the people of San Jose was the best experience during my time as an Eastman resident and it continues to be,” said Dr. Vega, who looks forward to seeing how the children she’s come to know have grown. “It’s a completely different reality there, and having a hands-on role in improving the life of communities who are working toward sustainable development is so very deeply rewarding.”

Medical and dental providers work side by side and learn so much from each other “Working in a resource poor environment can improve skills that may even be needed in the U.S. It also helps the traveler realize that 75 percent of humanity lives in developing countries in conditions similar to San Jose,” Dr. Stockman added. “Whereas people in this country have access to services like Medicaid, the people of that small Honduran community do not have insurance or easy access to routine dental care,” Dr. Cygan said. “Daily life is a struggle in itself, with resources like water and food never being quite as certain as it can be for an average American. This experience gave me a new perspective on the value of dental treatment and an individual’s freedom to pursue it.

“It was very fulfilling to help the people of this small community,” Dr. Cygan added. “This trip afforded me many privileges such as the opportunity to immerse myself in the Spanish language, learn about a different culture, and provide dental care for the underserved.”

If you are interested in learning more about Shoulder to Shoulder or would like to get involved yourself, please visit www.sanjosepartners.org or www.urmc.rochester.edu/family-medicine/global-health.



The globe (below), where most photos are taken, is the ceremonial pole and uses part of the original wood marker that Amundsen placed. The actual South Pole is shown above.



Alumni Travel to the Ends of the World

Leave it to a couple of EIOH adventure-minded (some may say crazy) alumni to take a trip that's really different.

In fact, very few people in the world ever make this trip, because it's one of the coldest, windiest and most barren places in the world.

It all started a few years ago, when four Prosthodontics alumni embarked on an adventure to the North Pole (see full story in Summer 2011 *Momentum*), and thoughts began about expanding their arctic travels to possibly include a South Pole exploration.

Although many expressed interest, in the end it was two of the heartiest North Pole explorers, Drs. Evangelos Rossopoulos (GenDen '82 Prosthodontics '84) and Izchak Barzilay (Prosthodontics '86 MS '91) who would make the long trek south to Antarctica. While this continent receives some 20,000 travelers a year, fewer than 100 actually visit the South Pole, the southernmost point of the Earth's surface, surrounded by miles and miles of icy terrain.

The Amundsen-Scott Pole Station is there, named after Roald Amundsen, who won the race to be the first to reach the South Pole in 1911, beating Robert Scott, who arrived one month later. The station, originally built in 1956, is the only place on land surface of the Earth where the sun is continuously up for six months and then continuously down for six months. The only other place is the North Pole, on the ice in the middle of the Arctic Ocean. They set out in late December, meeting up in Santiago, Chile, before flying to Punta Arenas, where they met the rest of a group traveling there for various reasons. Some were out to ski to the South Pole, while others were travelling to Antarctica to climb Mt. Vincent, part of their quest to summit a high peak on each continent.



“We were all eager to fly to the continent but had to wait an extra day in Punta Arenas until the conditions were right,” Dr. Barzilay explained. “The plane needed to land on a blue ice runway and stop on its own. If the weather was too warm, the runway would be too slick and there could be issues.”

The four and ½ hour flight took them to their base camp in Union Glacier, where they spent several days. The sun never went down, so the group sat around and talked until the wee hours.

Different flights then took people to their drop off points on the ski trips, to the mountain, or to the South Pole – another three and ½ hour flight.

“When we arrived, it was about minus 35 degrees centigrade. We were given a tour of the Amundsen-Scott Research station, met the researchers and saw the projects they were working on – like an ice cube project, which searches for neutrinos,” Barzilay said. “We got to stamp our passports and buy some silly souvenirs. “We then settled into our camp at the pole where we would spend the night,” he continued. “We were greeted with champagne, chocolates and chocolate covered

strawberries, and later a gourmet meal on linen tablecloths—imagine this at the South Pole!” No one could sleep, Barzilay said, so they went to the pole and celebrated.

“We walked around, we danced, and celebrated with libations,” Dr. Barzilay said. “We even gave a lecture, and just took in the fact that we were at the bottom of the world. We are now Geographically Bipolar!”

The South Pole was definitely more interesting than the North Pole, Barzilay said, because there were buildings and people. “The weather was good and scientists came to discuss their research with us. It was a great organizational effort, and touring the Research station was wonderful.”

Best. Trip. Ever.

“This amazing trip was only possible because Dr. B and I met at Eastman and became friends,” said Dr. Rossopaouals. “At Eastman, we were not only taught to be good prosthodontists but we became part of the Eastman family and learned that everything is possible, you just have to appreciate good relationships and friendships.”

“It is a place that people dream of and never have a chance to get to, the logistics of getting to the South Pole are significant and the North Pole is easy in comparison,” Dr. Barzilay said. “The types of adventurers that get down to the pole are one of a kind and the stories that you hear are really remarkable.

“This was an amazing trip and one to always be remembered,” he added. “We don’t know how it is possible to top this one, but we will try.”

The 37th Annual Allen A. Brewer Prosthodontic Conference Featuring Markus Blatz, DMD, PhD



Drs. Gerald Graser, Christine Joseph, Isma Khalid



Drs. Eli Eliav, Markus Blatz, Carlo Ercoli



Drs. Kostas Chochlidakis, George Jammal, Berge Wazirian



Mr. Jason Guzik, Mr. Darwin Soto



Drs. Mohammed (Bobby) Baig, Hai Qin, Andrey Ustinenkov, Ronald Jarvis



Dr. Ronald Jarvis, Dr. James Soltys

The 21st Annual Handelman Conference

Featuring Dan Nathanson, DMD, MPH



Drs. Eli Eliav, Dan Nathanson, Hans Malmström



Drs. Ahmed Farag (center) and Sam Dirawi (right)



Chip Ciprian, Burt Buettner, Noemi Rivera, Karen Judy, Carol Porras, Ali Krockhmal, Dorie Lietten



Drs. Nadejda Stephens, Joanne Lim, Hengameh Abtahi, Marcielle Abayon



Drs. Xiuli Sun, Li Ning, Mei Li



Drs. Hans Malmström, Rudy Sanchez, Stanley Handelman

2015 Graduation

Dr. Lee Pollan Receives Iranpour Award

“It is with great humility and gratitude that I accept this award, named in honor for an individual for whom I have the greatest respect and admiration. The motivation and mentorship that Bejan provided me has been instrumental in defining who I am and my commitment in residency education. I am forever indebted to my wife and family who have encouraged me. Thank you for this tremendous honor – it’s one of the most meaningful in my career.”

Dr. Lee Pollan with Dr. Bejan Iranpour (seated)

Dr. Eliav Presents Dr. Graser with Thank You Gift

Dr. Graser provided great advice during his convocation address:

1. Money isn’t everything – spend less than you earn and save for retirement
 2. Give back – helping others in the end really helps you, too.
 3. Don’t be afraid of failure – there are no failures, just varying degrees of success
 4. Don’t ever give up and take risks
 5. Don’t burn your bridges – you may need to walk back over one
 6. Moderation in all that you do
 7. Have good character – do what is right when no one is looking
-

Dr. Michael Grassi Receives Part-Time Faculty Award

“I am humbled and honored to receive this award...I have a passion for teaching, and I think I learn more from this group than what I’m able to give. Many thanks to the staff at Eastman, whose help in so many ways make a world of difference for me. “

Dr. Grassi with his wife Denise





Dr. Alejandro Sanchez Lara Murguia received the Stanley L. Handelman Fellowship Award



Dr. Cindy Dodo received the Michael G. Buonocore Award.



(Back row, l to r) Drs. Brian Wilson, Nikhil Sharma, Nicholar Gibbons, Jed Nordfelt. (Front row, l to r) Drs. Salvatore Colombo, Yasmine Zangeneh, Amy Huynh-Tran, Morvaria Aletomeh, Namie Kong, and Robin Flicker



Dr. Bill Calnon gave the NYS Dental Foundation Dean's Award to Dr. Caroline Inaba and Dr. Ximena Velasquez-Pierce



Drs. Ademola Cole, Nilesh Patel, and Ian Bell



Dr. David Fraser and Dr. Neelam Jadeja received the Basil G. Bibby Fellowship Award

News & Notes



Dr. Sangeeta Gajendra

Dr. Sangeeta Gajendra received grant funding to expand community partnerships to ultimately provide dental homes to children who are not receiving routine dental care. The YMCA, HeadStart, and WIC programs will collaborate with EIOH to educate, screen, provide fluoride varnish and distribute oral hygiene kits to 1000 children ages 1-6.

Dr. Mansour Assery (Prosthodontics '88) has been named Dean, (need name of school) in Ryad, Saudi Arabia.



Dr. Mansour Assery

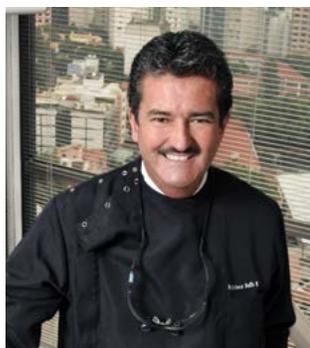


Dr. Alina Dellanzo

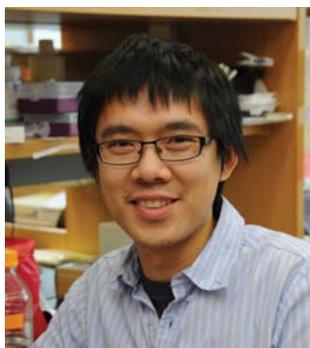
Dr. Alina Dellanzo (GenDen '10) opened a private practice in Albany, NY, specializing in aesthetics and general dentistry.

Dr. Heidi C. Crow (GPR '86) was named chair of the Department of Oral Diagnostic Sciences and director of the TMD and Orofacial Pain Program.

Dr. J. Antonio Bello (Prosthodontics '84) was named president of the American Prosthodontic Society.



Dr. J. Antonio Bello



Pei-Lun Weng

Pei-Lun Weng, a graduate student in Dr. Ovitt's lab, was awarded a Poster Prize at the 27th Annual Genetics Day at URMC.

Geoffrey H. Sperber, BDS, PhD, MSc ('62) was an invited speaker at the International Symposium on the Pierre Robin Sequence.

Dr. Todd Lerner (Prosthodontics '91) was named president of the Greater New York Academy of Prosthodontists.

Thomas W. Schneider, DMD (BA '90, Perio '97), was featured in a recent issue of the *New Jersey Monthly* magazine for his expertise as a periodontist. His peers have selected him as a "Top Periodontist" for the last six years.





Dr. Harvey Levy



Dr. William H. Bowen



Dr. Sharon Elad



Dr. Vineela Redla



Sue Gibbs

Harvey Levy, DMD, (GenDen '76), became the first recipient of the Maryland Dental Association's Humanitarian Award. He also became the first dentist to receive a fourth Life-Long Learning and Service Recognition Award from the Academy of General Dentistry.

The American Association for Dental Research named **Dr. William H. Bowen** the 2015 recipient of its Irwin D. Mandel Distinguished Mentoring Award. Dr. Bowen is professor emeritus at URM's Departments of Microbiology and Immunology, Environmental Medicine, and Center for Oral Biology. The national award recognizes outstanding efforts to foster and promote research training and career development of students, trainees and junior faculty.

Dr. Sharon Elad has been named chair of The Mucositis Study Group of MASCC/ISOO, a worldwide leading organization in the field of mucositis. The clinical practice guidelines managing oral mucositis are being cited and endorsed by multiple well-known cancer societies.

Dr. Vineela Redla (GPR '15, AEGD '14) was one of three people nationwide who were given a Student Scholarship Award from the Special Care Dentistry Association Board of Directors.

Sue Gibbs, administrator for EIOH Faculty Affairs, was given a URM Board Excellence Award for her extraordinary efforts.

Boncan Ricardo, DMD, (TMJD '97) was recently elected president of the newly established Orofacial Pain Association of the Philippines.

Rob Quivey, PhD, director, Center for Oral Biology, was named the Margaret and Cy Welcher Professor.



Dr. Bahreman



Mr. Bryan Winters

Dr. Bahreman's textbook, *Early-Age Orthodontic Treatment*, has been translated into Korean and Japanese.

Bryan Winters was named director of EIOH Advancement and Alumni Relations.

Dr. Carlo Ercoli (Prosthodontics '96, TMJ '97, GenDen '98, Perio '12), chair and program director, EIOH Prosthodontics Department, received an Honorary Membership with the Italian Academy of Prosthetic Dentistry.

Dr. Lisa DeLucia was honored with two awards for her leadership and contributions to the oral health care field: a President's Award from the Dental Hygienists' Assoc. of the State of New York, and the Seventh District Frederick J. Halik Award.

Dr. Nirmala Tasgaonkar received her Diplomate Certificate in Dentistry for Persons with Disabilities from the American Board of Special Care Dentistry.

EIOH Social Worker **Lenora Colaruotolo, LMSW**, was named 2015 Social Worker of the Year by the National Association of Social Workers, NY State Chapter, Genesee Valley Division.

Alejandro Avilés Reyes, a graduate student in EIOH's Center for Oral Biology, was selected for the 2015 Arnold Bleiweis Travel Award, to present his findings at the Robert Marquis Mini-Symposium for Young Investigators during the International Association for Dental Research Conference.

Dr. Kaaren G. Vargas (Pedo '92) has joined Corridor Kids Pediatric Dentistry in North Liberty, IA.



Dr. Carlo Ercoli



Dr. Lisa DeLucia



Dr. Nirmala Tasgaonkar



Lenora Colaruotolo



Dr. Robert Bray



Mr. Jim Fulmer

Dr. Robert Bray (Ortho '75, MS '76) and **Mr. Jim Fulmer** joined the Eastman Dental Center Foundation Board.

James Roger, DDS, and EIOH OMFS resident, received a \$1500 Philip J. Boyne Memorial Scholarship Award to attend the AAOMS Dental Implant Conference.

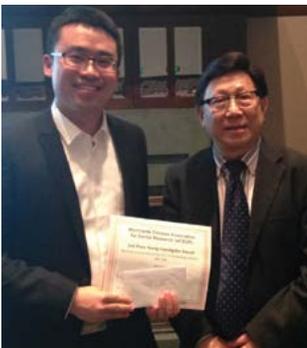


Dr. James Roger



Dr. Gerald Graser

Dr. Gerald Graser (Prosthodontics '72, MS '75) was named the 2015 recipient of the American Prosthodontics Society's highest honor, the Golden Medallion Award, for his outstanding service and contributions to the dental profession and prosthodontics. The award recognizes leadership, service to the profession and the APS, teaching and research at academic and continuing education levels, and for promoting excellence in prosthodontics at a national and international level. He served as chairman and program director of the EIOH Prosthodontics Division for 30 years.



Dr. Henry Lin



Dr. Luiz Meirelles

Heng (Henry) Lin, DDS, PhD, a postdoctoral associate in EIOH's Center for Oral Biology, received a Young Investigator Award from the Worldwide Chinese Association for Dental Research.

Luiz Meirelles, DDS, PhD, received a \$160K grant from Zimmer Dental to analyze bone response to the novel Trabecular Metal implant using key methodologies that combined are able to detect differences based on biological and mechanical feedback. He is working in collaboration with Paul Funkenbusch with the UR's Dept of Mechanical Engineering.



Davis Quinn

Babies!

Dr. Tyler Hart (Ortho '15) and his wife Jana welcomed son Tate Henry Hart on March 31, 2015.

Dr. Steven Clifford (Ortho '09) and his wife welcomed son Daniel on Feb. 27, 2015.

Renee Roland, DDS (Ortho '10) and her husband Jim welcomed son Davis Quinn August 1, 2014.

Dr. Robert Tarby (Ortho '12) and his wife Betsy, welcomed daughter Mae Marilyn Tarby on September 26, 2014.

Wedding

*Heather Chance Humphrey (OMFS '15)
with her new husband Matt Humphrey*



In Sympathy

Dr. Harold DeWitt Lester (Pedo '65) passed away Jan 27 at age 81. Never retiring, he worked 30 years in private practice, as faculty with University of Kentucky, and treating underprivileged children in rural Kentucky.

Dr. Charles L. Fulks (GenDen '72, Ortho '74) passed away Feb 2 at age 69. He had retired in 2009 after 34 years practicing orthodontics. He served as a part time faculty member at EIOH.

Aure, M. H., Konieczny, S. F., & Ovitt, C. E. (2015). Salivary gland homeostasis is maintained through acinar cell self-duplication. *Developmental Cell*

Baker, J. L., Abranches, J., Faustoferri, R. C., Hubbard, C. J., Lemos, J. A., Courtney, M. A., & Quivey, R., Jr. (2015). Transcriptional profile of glucose-shocked and acid-adapted strains of streptococcus mutans. *Molecular Oral Microbiology*

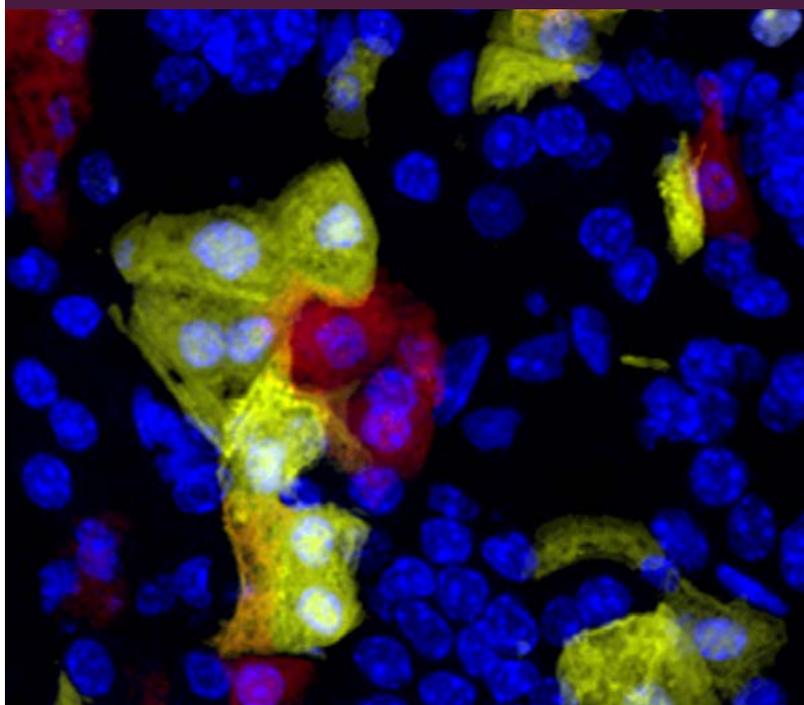
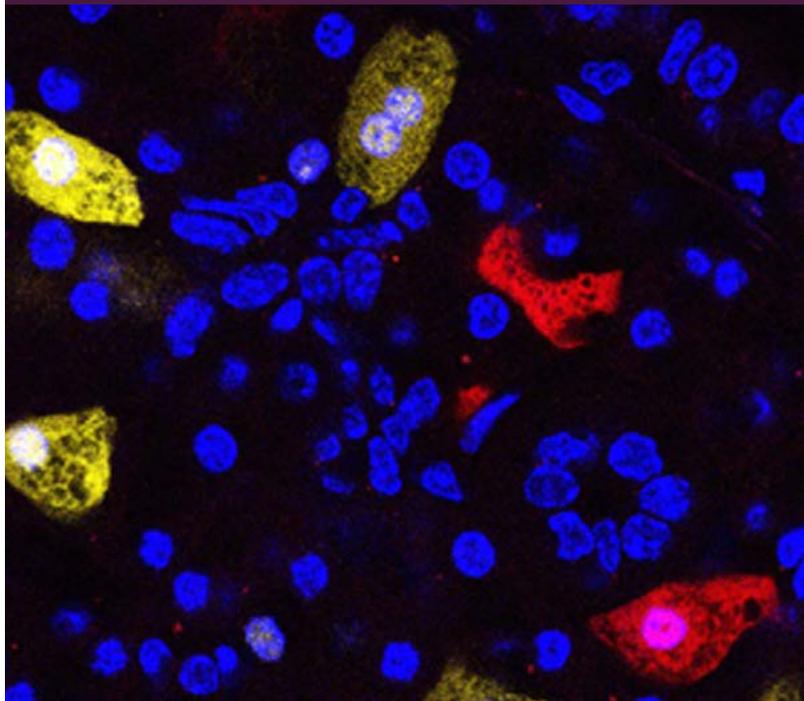
Baladhandayutham, B., Lawson, N. C., & Burgess, J. O. (2015). Fracture load of ceramic restorations after fatigue loading. *The Journal of Prosthetic Dentistry*

Carpenter, P. A., Kitko, C. L., Elad, S., Flowers, M. E., Gea-Banacloche, J. C., Halter, J. P., et al. Couriel, D. R. (2015). National institutes of health consensus development project on criteria for clinical trials in chronic graft-versus-host disease: V. the 2014 ancillary therapy and supportive care working group report. *Biology of Blood and Marrow Transplantation*

Das, S., Yu, S., Sakamori, R., Vedula, P., Feng, Q., Flores, J., et al. Gao, N. (2015). Rab8a vesicles regulate wnt ligand delivery and paneth cell maturation at the intestinal stem cell niche. *Development*

Del Castillo, R. Hernandez, AM, Ercoli, C. (2015) Conservative orthodontic-prosthetic approach for excessive gingival display: A clinical report. *The Journal of Prosthetic Dentistry*

Elad, S. , Jensen SB, Raber-Durlacher, JE, Mouradian, N., et al. Clinical approach in the management of oral chronic graft-versus-host disease (cGVHD) in a series of specialized medical centers. *Support Care Cancer*



Elad, S., & Thierer, T. (2015). Cost-effective analysis of topical chlorhexidine in hematologic patients at risk for oral mucositis. *Clinical Oral Investigations*

Faustoferri, R. C., Hubbard, C. J., Santiago, B., Buckley, A. A., Seifert, T. B., & Quivey, R. G., Jr. (2015). Regulation of fatty acid biosynthesis by the global regulator CcpA and the local regulator FabT in streptococcus mutans. *Molecular Oral Microbiology*

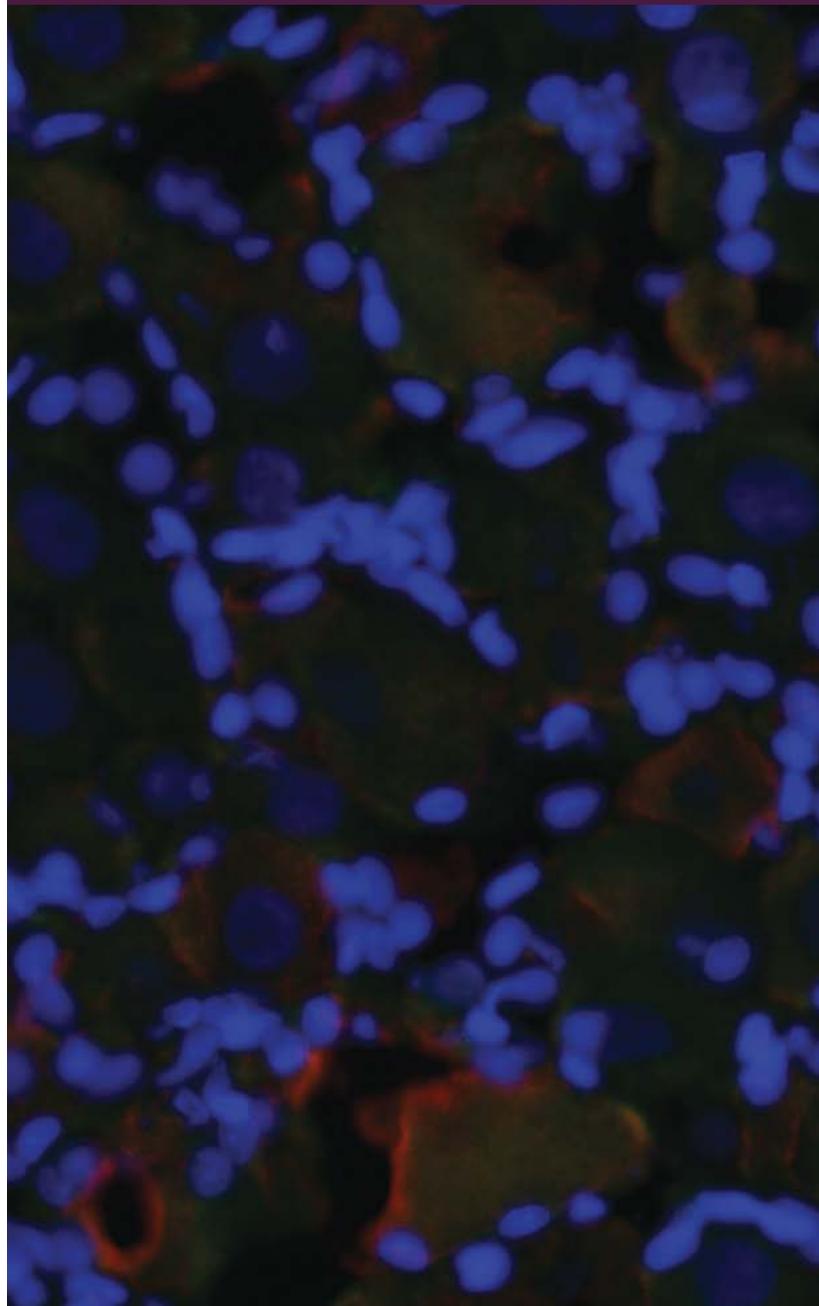
Fears, K. P., Gonzalez-Begne, M., Love, C. T., Day, D. E., & Koo, H. (2015). Surface-induced changes in the conformation and glucan production of glucosyltransferase adsorbed on saliva-coated hydroxyapatite. *Langmuir: The ACS Journal of Surfaces and Colloids*

Funkenbusch, PD, Rotella, M, Ercoli, C., Designed experiment evaluation of key variables affecting the cutting performance of rotary instruments. *The Journal of Prosthetic Dentistry*

Gaca, A. O., Kudrin, P, Colomer-Winter, C., Beljantseva, J., Liu, K., Anderson, B., et al. Lemos, J. A. (2015). From (p)ppGpp to (pp)pGpp: Characterization of regulatory effects of pGpp synthesized by the small alarmone synthetase of enterococcus faecalis. *Journal of Bacteriology*

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Geminiani, A. Weitz, DS, Ercoli, C. Feng, C., Caton, JG, Papadimitriou, DE, A comparative study of the incidence of Schneiderian membrane perforations during maxillary sinus augmentation with a sonic oscillating handpiece versus a conventional turbine handpiece. *Clin Implant Dent Relat Res*



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Horev, B., Klein, M. I., Hwang, G., Li, Y., Kim, D., Koo, H., & Benoit, D. S. (2015). pH-activated nanoparticles for controlled topical delivery of farnesol to disrupt oral biofilm virulence. *ACS Nano*

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Javed, F., Al-Kheraif, A. A., Al Amri, M. D., Alshehri, M., Vohra, F., Al-Askar, M., et al. Romanos, G. E. (2015). Periodontal status and whole salivary cytokine profile among smokers and never-smokers with and without prediabetes. *Journal of Periodontology*

Javed, F., Al-Kheraif, A. A., Salazar-Lazo, K., Yanez-Fontenla, V., Aldosary, K. M., Alshehri, M., et al. Romanos, G. E. (2015). Periodontal inflammatory conditions among smokers and never-smokers with and without type 2 diabetes mellitus. *Journal of Periodontology*

Javed, F., Vohra, F., Al-Kheraif, A. A., Malmstrom, H., & Romanos, G. E. (2015). Comparison of periodontal inflammatory conditions among habitual gutka chewers and betel quid chewers. *Oral Diseases*

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Kajfasz, J. K., Rivera-Ramos, I., Scott-Anne, K., Gregoire, S., Abranches, J., & Lemos, J. A. (2015). Transcription of oxidative stress genes is directly activated by SpxA1 and, to a lesser extent, by SpxA2 in streptococcus mutans. *Journal of Bacteriology*

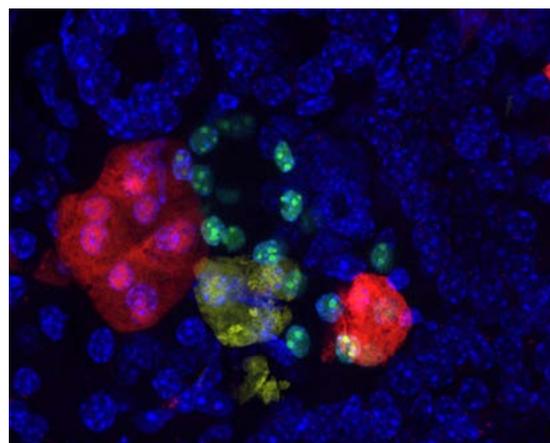
Kalantar Motamedi, M. R., Heidarpour, M., Siadat, S., Motamedi, A. K., & Bahreman, A. A. (2015). Orthodontic extraction of high-risk impacted mandibular third molars in close proximity to the mandibular canal: A systematic review. *Journal of Oral and Maxillofacial Surgery*

Kashi, A., Gupta, B., Malmstrom, H., & Romanos, G. E. (2015). Primary stability of implants placed at different angulations in artificial bone. *Implant Dentistry*

Khan, J., Ramadan, K., Korczeniewska, O., Anwer, M. M., Benoiel, R., & Eliav, E. (2015). Interleukin-10 levels in rat models of nerve damage and neuropathic pain. *Neuroscience Letters*

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McLaren, S. W., & Kopycka-Kedzierawski, D. T. (2015). Compliance with dental treatment recommendations by rural pediatric patients after a live-video teledentistry consultation: A preliminary report. *Journal of Telemedicine and Telecare*

Meirelles, L., Branemark, P. I., Albrektsson, T., Feng, C., & Johansson, C. (2015). Histological evaluation of bone formation adjacent to dental implants with a novel apical chamber design: Preliminary data in the rabbit model. *Clinical Implant Dentistry and Related Research*

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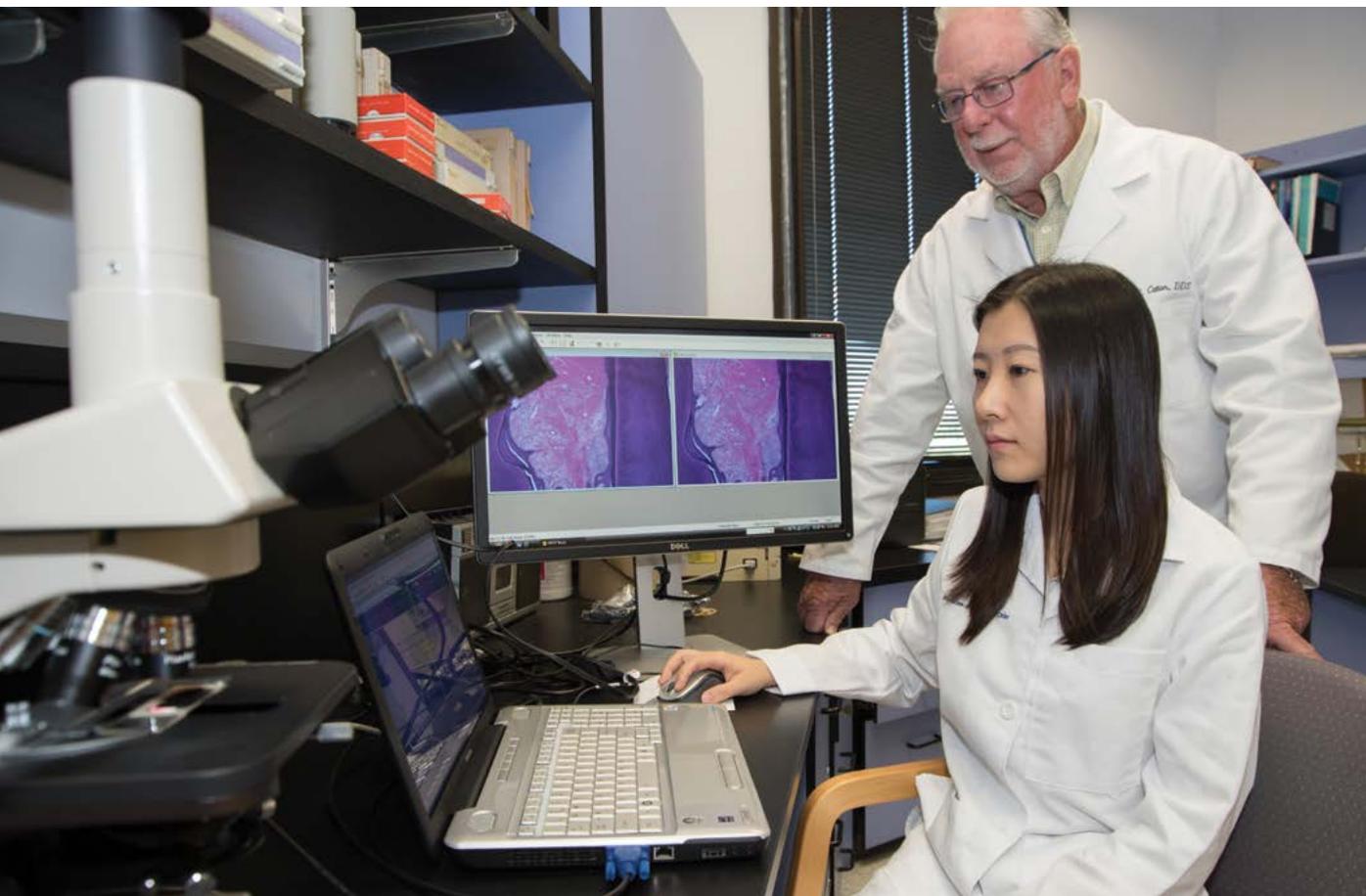
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Quivey, RG, Jr, Grayhack, E. J., Faustoferri, R. C., Hubbard, C. J., Baldeck, J. D., Wolf, AS., Marquis, RE., et al. (2015). Functional profiling in streptococcus mutans: Construction and examination of a genomic collection of gene deletion mutants. *Molecular Oral Microbiology*

Romanos, GE, & Javed, F. (2015). Laser therapy is safe but not superior to conventional treatment of peri-implantitis. *The Journal of Evidence-Based Dental Practice*

Romanos, GE., Belikov, AV., Skrypnik, AV., Feldchtein, FI., Smirnov, MZ., & Altshuler, GB. (2015). Uncovering dental implants using a new thermo-optically powered (TOP) technology with tissue air-cooling. *Lasers in Surgery and Medicine*

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Saunders, R. (2015). Partial swallowed by patient with dementia. *Special Care in Dentistry*

Tsagarida, AA, Dabdoub, SM, Nagaraja, HN, & Kumar, PS (2015). The influence of smoking on the peri-implant microbiome. *Journal of Dental Research*

Vohra, F, Al-Kheraif, AA., Ab Ghani, SM., Abu Hassan, MI, Alnassar, T., & Javed, F. (2015). Crestal bone loss and peri-implant inflammatory parameters around zirconia implants: A systematic review. *The Journal of Prosthetic Dentistry*

Ning, L., Malmstrom, H., & Ren, YF. (2015). Porous collagen-hydroxyapatite scaffolds with mesenchymal stem cells for bone regeneration. *The Journal of Oral Implantology*

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Painful Traumatic Trigeminal Neuropathy: Benoliel, R., Heir, G., Eliav, E. *PAIN Clinical Updates*

Primary Stability of Implants Placed at Different Angulations in Artificial Bone: Kashi A, Gupta B, Malmstrom H, Romanos GE. *Implant Dent*

BMP-FGF Signaling Axis Mediates Wnt-Induced Epidermal Stratification in Developing Mammalian Skin: Zhu XJ, Liu Y, Dai ZM, Zhang X, Yang X, Li Y, Qiu M, Fu J, Hsu W, Chen Y, Zhang Z. *PLoS Genet*

Periodontal Regeneration: Intrabony Defects: A Consensus Report: Reynolds MA, Kao RT, Camargo PM, Caton JG, Clem DS, Fiorellini JP, Geisinger ML, Mills MP, Nares S, Nevins ML. *J Periodontol*

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Disruption of SUMO-Specific Protease 2 Induces Mitochondria Mediated Neurodegeneration: Fu J, Yu HM, Chiu SY, Mirando AJ, Maruyama EO, Cheng JG, Hsu W., *PLoS Genet*

Comparison of Periodontal Inflammatory Conditions Among Habitual Gutka-Chewers and Betel Quid-Chewers: Javed F, Vohra F, Al-Kheraif AA, Malmstrom H, Romanos GE., *Oral Dis*

Maternal salivary bacterial challenge is associated with oral infection among children and predicts early childhood caries (ECC) incidence in a high-risk cohort of 36-month-old children: Kopycka-Kedzierawski DT., *J Evid Based Dent Pract*

Exercise-Induced Hypoalgesia Profile in Rats Predicts Neuropathic Pain Intensity Induced by Sciatic Nerve Constriction Injury: Khan J, Benavent V, Korczeniewska OA, Benoliel R, Eliav E., *J Pain*

Bacterial Composition at the Implant-Abutment Connection under Loading in vivo.: Romanos GE, Biltucci MT, Kokaras A, Paster BJ., *Clin Implant Dent Relat Res*

Basic oral care for hematology-oncology patients and hematopoietic stem cell transplantation recipients: a position paper from the Multinational Association of Supportive Care in Cancer/International Society of Oral Oncology and the European Society for Blood and Marrow Transplantation: Elad S, Raber-Durlacher JE, Brennan MT, Saunders DP, Mank AP, Zadik Y, Quinn B, Epstein JB, Blijlevens NM, Waltimo T, Passweg JR, Correa ME, Dahllöf G, Garming-Legert KU, Logan RM, Potting CM, Shapira MY, Soga Y, Stringer J, Stokman MA, Vokurka S, Wallhult E, Yarom N, Jensen SB, *Support Care Cancer*

Pharmacokinetics of fluoride in toddlers after application of 5% sodium fluoride dental varnish: Milgrom P, Taves DM, Kim AS, Watson GE, Horst JA., *Pediatrics*

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Regulation of fatty acid biosynthesis by the global regulator CcpA and the local regulator FabT in *Streptococcus mutans*: Faustoferri RC, Hubbard CJ, Santiago B, Buckley AA, Seifert TB, Quivey RG Jr., *Mol Oral Microbiol*

CDC42 Inhibition Suppresses Progression of Incipient Intestinal Tumors: Sakamori R, Yu S, Zhang X, Hoffman A, Sun J, Das S, Vedula P, Li G, Fu J, Walker F, Yang CS, Yi Z, Hsu W, Yu DH, Shen L, Rodriguez AJ, Taketo MM, Bonder EM, Verzi MP, Gao N., *Cancer Res*

Self-perceived oral health and periodontal parameters in chronic periodontitis patients with and without rheumatoid arthritis: Javed F, Ahmed HB, Mehmood A, Mikami T, Malmstrom H, Romanos GE., *J Investig Clin Den*

Runx2 is required for early stages of endochondral bone formation but delays final stages of bone repair in *Axin2*-deficient mice: McGee-Lawrence ME, Carpio LR, Bradley EW, Dudakovic A, Lian JB, van Wijnen AJ, Kakar S, Hsu W, Westendorf JJ., *Bone*

In-vivo bone response to titanium screw implants anodized in sodium sulfate: Pinheiro FA, Mourão CF, Diniz VS, Silva PC, Meirelles L, Santos Junior E, Schanaider A., *Acta Cir Bras*

Altered structure and function in hippocampus and medial frontal cortex in patients with burning mouth syndrome: Eliav E., *Pain*

Modification of *Streptococcus mutans* Cnm by PgfS contributes to adhesion, endothelial cell invasion, and virulence Avilés-Reyes A, Miller JH, Simpson-Haidaris PJ, Hagen FK, Abranches J, Lemos JA., *J Bacteriol*

Streptococcus mutans extracellular DNA is upregulated during growth in biofilms, actively released via membrane vesicles, and influenced by components of the protein secretion machinery.: Liao S, Klein MI, Heim KP, Fan Y, Bitoun JP, Ahn SJ, Burne RA, Koo H, Brady LJ, Wen ZT., *J Bacteriol*

Evaluation of bone healing on sandblasted and Acid etched implants coated with nanocrystalline hydroxyapatite: an in vivo study in rabbit femur.: Melin Svanborg L, Meirelles L, Franke Stenport V, Kjellin P, Currie F, Andersson M, Wennerberg A, *Int J Dent*

Streptococcus mutans NADH oxidase lies at the intersection of overlapping regulons controlled by oxygen and NAD⁺ levels: Baker JL, Derr AM, Karuppaiah K, MacGilvray ME, Kajfasz JK, Faustoferri RC, Rivera-Ramos I, Bitoun JP, Lemos JA, Wen ZT, Quivey RG Jr., *J Bacteriol*

Safety and efficacy of an intra-oral electrostimulator for the relief of dry mouth in patients with chronic graft versus host disease: Case Series: Zadik Y, Zeevi I, Luboshitz-Shon N, Dakwar N, Wolff A, Shapira MY, Or R, Elad S., *Med Oral Patol Oral Cir Bucal*

Cnm is a major virulence factor of invasive *Streptococcus mutans* and part of a conserved three-gene locus: Avilés-Reyes A, Miller JH, Simpson-Haidaris PJ, Lemos JA, Abranches J., *Mol Oral Microbiol*

Sex-dependent and non-monotonic enhancement and unmasking of methylmercury neurotoxicity by prenatal stress: Weston, H, Sobolewski, M., Allen, J., Weston, D, Conrad, K, Pelkowski, S, Watson, G., Zareba, G., Cory-Slechta, D., *NeuroToxicology*



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Upcoming Events

October 24 - 27, 2015

101st Annual Meeting American Academy of Periodontology
Washington, D.C.
Walter E. Washington Convention Center

February 25 - 26, 2016

Annual Meeting of the American Prosthodontics Society (APS)
Chicago, IL
Swissôtel

March 16 - 19, 2016

45th Annual Meeting of the American Association for Dental Research (AADR)
Los Angeles, CA
The Los Angeles Convention Center

April 29 - May 3, 2016

Annual Meeting of the American Association of Orthodontists (AAO)
Orlando, FL
Orange County Convention Center

May 26 - 29, 2016

69th Annual Meeting of the American Academy of Pediatric Dentistry (AAPD)
San Antonio, TX

Save the Date!