



Dental Bites



April 2014

New Gift
OHSU School of Dentistry recently received a \$100,000 gift from Permanente Dental Associates. The gift is for the Dean's Fund for Excellence, which supports faculty and student research, dental student outreach, faculty development, and the continuing dental education program.

Student Patient Assistance Program Helping

OHSU School of Dentistry patient **Julie** had put off her dental work for years because of finances. Then, her caregiver, fourth-year dental student **Brittany Bartenstein**, nominated Julie for the Student Patient Assistance Program (SPAP), a tool for helping patients who are low income, have little or no health insurance, and who are serious about their oral health care, get the assistance they need.

"I am so pleased to finally have a chance to catch up on my dental care," said Julie. "Also, I am very glad to be a part of OHSU School of Dentistry, and to meet so many young, talented dental students."



Dental patient Julie with her student, DS4 Brittany Bartenstein.

Since the SPAP began making awards in January 2013, more than \$10,500 of dental care has been awarded to 35 patients, said SPAP coordinator and fourth-year dental student **Kelly Sayre**.

A committee of 14 dental students (fourth-year dental students **Kelly, Carly** and **Tyler Peterschmidt, Michelle Nguyen**, and **Joe Kelly**, and third-year dental students **Rachel Jablonski, Kerry Csiga, Audrey Riesen, Kaci Hockaday, Casey Caraher, Kathryn Schneibel, KC Gilbert, Lauryn Marks**, and **Farielle Houran**) oversees the SPAP, meeting monthly to review applications and select patients for the oral care funds. With the support of **Kathleen Birchfield, D.M.D. '87**, assistant professor of restorative dentistry, and **Diane Sullivan**, the committee relies upon classmates to find patients they think qualify for funding and help patients fill out the necessary forms. Dental students also write an essay about why their patient needs help, information about the patient's appointment attendance record, and the patient's commitment to pay half the cost of treatment."

Kelly and Joe recently attended the Multnomah and Washington dental society meetings to raise awareness and funding for SPAP. With the support of **Steven Gold, D.D.S.**, assistant professor of restorative dentistry, the American College of Dentists has also been extremely supportive, said Kelly, and the ACD held an SPAP fundraiser in January. SPAP also will have a courtesy table during Oregon Dental Conference weekend.

Kelly said third-year dental students Rachel and Kerry will lead the SPAP committee next academic year.

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School of Dentistry Employees Honored for Service

Pins will be awarded in May to several dozen full- and part-time School of Dentistry faculty (many of them alumni), and staff who have completed 10 through 50 years of service, as of December 31, 2013. Those honored include:

50 Years

Robert Faris, D.M.D. `61, assistant professor of restorative dentistry

40 Years

Ross Kaplan, B.D.S., associate professor of orthodontics

30 Years

Virgina Dunn, R.D.H., B.S. `81, periodontology instructor

J. Gordon Marshall, D.M.D. `79, associate professor of endodontology



J. Gordon Marshall, D.M.D. `79, will be honored for 30 years of service to the dental school.

25 Years

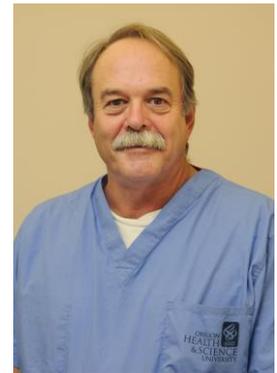
Robin Conder, office specialist, dental clinic administration

20 Years

Michael Danilchik, Ph.D., professor of integrative biosciences

Emerita Bravo, dental assistant in pediatric dentistry

Rita Patterson, D.M.D. `91, assistant professor of restorative dentistry



John Hanna, D.D.S., has now been on faculty for 15 years.

15 Years

Samuel Gottlieb, D.D.S., assistant professor of periodontology

Anthony Bouneff, D.M.D. `86, assistant professor, oral and maxillofacial surgery

Larry Rhyne, dental assistant, Faculty Dental Practice

Bruce Biermann, D.M.D. `82, assistant professor of restorative dentistry

Luciano Monetti, CDT, instructor, restorative dentistry

Jon Yatsushiro, D.D.S., assistant professor of endodontology

Dave Mehlhaff, D.M.D. `86, assistant professor of endodontology

John Hanna, D.D.S., assistant professor of pediatric dentistry and director of the Pediatric Dental Surgery Clinic



Dave Covell Jr., D.D.S., celebrates 10 years with OHSU this year.

10 Years

Cherisse Pittman, PAS Resource Specialist, pediatric dentistry

David Covell Jr., D.D.S., associate professor and chair of orthodontics

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Student Volunteer Awards

OHSU School of Dentistry was well-represented at the recent All-Hill Student Volunteer Recognition and Awards Ceremony, with nominees in seven of the eight awards categories.



Some of the dental school's nominees for Student Volunteer Awards included (from left to right) fourth-year dental students Jessica Henderson and Tessa Waggoner, third-year dental student Farielle Houran, and Richard Knight, D.M.D. '79, adjunct assistant professor of restorative dentistry. (Photo Mark Mitchell)

Fourth-year dental student **Michelle Nguyen** won the Global/International Service Award at the March 6 event, sponsored by the All-Hill Student Council. Michelle was also nominated for the Volunteer of the Year Award.

SOD nominees included: Fourth-year dental students **Kevin Andrews** and **Jessica Henderson** (Educator Award); Third-year dental student **Farielle Houran** (Student Service Award and Community Outreach and Clinical Service Award); fourth-year dental student **Tessa Waggoner** (Student Service Award); second-year dental student **Jonathan Yih** (Student Service Award and Volunteer of the Year Award); fourth-year dental student **Kelly Sayre**

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SPAP Helping *(continued from page one)*

"We are pleased with the impact that SPAP has had so far, but the number of patients in need is greater than we can currently meet," said Kelly. "Any support is appreciated!"

For more information on the SPAP, or to make a donation, please email SPAP@ohsu.edu.



The SPAP committee (back row left to right) Tyler Peterschmidt, Farielle Houran, Kelly Sayre, and Joe Kelly and (front row left to right) Kaci Hockaday, Rachel Jablonski, Kerry Sciga, Audrey Riesen, and Carly Peterschmidt. (Not pictured: Michelle Nguyen, Casey Caraher, Kathryn Schneibel, KC Gilbert, and Lauryn Marks.

Student Volunteer Awards

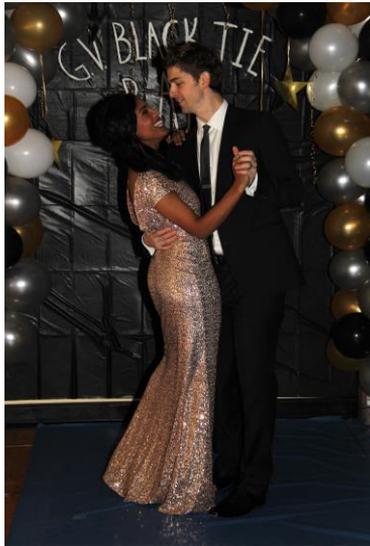
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(Community Outreach and Clinical Service Award); doctoral candidate in the Dave Morton, Ph.D., lab **Kayly Lembke** (Forging the Way Award with her Women's Service Group); **Todd Beck**, D.M.D. '94, assistant professor of community dentistry, and **Richard Knight**, D.M.D. '79, adjunct assistant professor of restorative dentistry (Faculty Award).

Fourth-year dental student musicians **Joe Kelly**, **Noor Khaki**, and **Tyson Gundersen** provided the event's entertainment.

Find Us On FB and the Web
 OHSU School of Dentistry news is also available at www.ohsu.edu/sod, and on www.facebook.com/ohsuschoolofdentistry.

Photos from the March GV Black Tie Ball



Third-year dental student Thalia Rae Criddle (left) and her husband, Dan.



Fourth-year dental student Tesha Waggoner (left, one of the ball's key organizers) with third-year dental student Kaveen Ranasinghe.



Second-year dental students (from left to right) Lisa Anderson-Pietz, Casey Norlin, Crystal Kelso, Dustin Reese, and Nick Faure.



Third-year dental student Jacob Foutz (right) and his wife, Heather.



Second-year dental students (from left to right) Keith Argraves, Therese (Ngoc) Pham, and Brennan Bahnsen, with Mandy Vixarra (second from left).



First-year dental student Nathan Wecker (right) and his wife, Kelly.



Faculty fun: (From left to right) Dennis, D.D.S., and Lynda Nicola, and Julie and Tom, D.D.S., Galbraith.



DS1's Anna Hildebran and Eric Gerlach, at the GV Black Tie Ball.



All photos Peter Morita, D.M.D. '86

School Calendar 2014

April 1-6	Health Care Equity Week. Go to www.ohsu.edu/hcew .
April 3	All-Hill Quiz Bowl
April 4	Celebration of Smiles, 4 to 8 p.m., Portland Children's Museum
April 4-6	Reunion Weekend
April 5	Annual Awards Luncheon. To register, go to www.ohsu.edu/sod/alumni .
April 15	Dental Students' Conference on Research, Bethesda.
April 17	"Healthy Mouth, Healthy Body: The Link Between Gum Disease and Diabetes," Jim Katancik, D.D.S., Ph.D., 7 p.m., OHSU Auditorium. To RSVP go to: www.ohsu.edu/mhlectures
May 2	Talent Show
May 3	Dean's Gold Circle (Invite only)
May 8	Faculty Senate Awards
May 9	Research Day at SOD
May 24-26	WREB Dental Exam

Employee Service *(continued from page two)*

10 Years

Stefani Sheldon, financial analyst, central administration

Mark Mitchell, M.A., associate dean for student affairs

Mark Post, custodian

Devin Bryant, senior system/application analyst, dental informatics

Sydney Clevenger, communications coordinator

Ryan Walkup, research associate, integrative biosciences

Steven Hokett, D.D.S., assistant professor of periodontology

Michael Carlascio, D.M.D. '81, assistant professor of restorative dentistry

Sarah Cinnamon, trainer, dental clinic administration

Community Outreach



Steven Gold, D.D.S., assistant professor of restorative dentistry and Hawthorne bridge group leader, kicked off spring break with a morning talk to about 50 seniors at neighboring Terwilliger Plaza. Dr. Gold spoke about the importance of prevention and encouraged seniors to maintain their oral health, no matter their age. "The age number doesn't mean much," he said. "It's about a patient's philosophy and attitude. Taking care of teeth and gums will help you to have a better quality of life." Dr. Gold also spoke about digital dentistry and advances in implants and impressions, and highlighted the great oral care provided at the dental school, as well as what seniors could expect at the school in terms of cost, timeliness of appointments, and insurance. (Photo Sydney Clevenger)

Staff Additions

Welcome to the following new staff:

***Wilbes Mbiya**, postdoctoral researcher in restorative dentistry.

***Shawna Moss**, dental assistant.

Every effort is made to compile an accurate listing of new faculty and staff. We apologize for any omissions. Please contact Coral Pipkin (pipkinc@ohsu.edu) or Sydney Clevenger (clevenger@ohsu.edu) with information about new employees or job switches within the dental school.

Dental School Researchers Receive Honors in March

OHSU School of Dentistry has many recent research accomplishments to report!

From the American Association for Dental Research meeting in mid-March, came word that two first-year dental students captured prestigious AADR fellowships: **David Garfinkel** will study the "Effects of BDNF on Dendritic Plasticity in Orofacial Pain Pathways" with mentor **Agnieszka Balkowiec**, M.D., Ph.D., associate professor of interactive biosciences; and **Thien-Y Hoang**, who is mentored by **Tom Hilton**, D.M.D., M.S., alumni centennial professor in operative dentistry and **Jack Ferracane**, Ph.D., professor and chair of restorative dentistry, will study the "Effect of Bioactive Glass Incorporated into an Adhesive on Marginal Caries and Bond Strength."



DS1 David Garfinkel



DS1 Thien-Y Hoang

Only 21 United States dental students—from 10 dental schools—received AADR fellowships in 2014. Dave and Thien-Y each received a \$2,100 stipend and will receive another \$600 upon completion of research and presentation at the AADR. David also received an OCTRI (Oregon Clinical and Translational Research) award in March, that he will decline due to winning the AADR award (he can accept only one summer award).

Also in March, second-year dental students **Sydney** and **Amelia Stoker** and **Caroline DeVincenzi** received first place for the Pre-doctoral Dental Student Merit Award for Outstanding Achievement in Community Health Dentistry. The dental students spent three weeks in Kenya in September 2013 on a Global Health Center Student Summer Scholarship, a trip coordinated in part by **Grace Kuto** (see www.chwelekenya.org for information about an April 27 benefit). The three dental students also presented their Kenya research at the ASDA annual session in Anaheim.

This month, the annual Student Table Clinic, sponsored by the Oregon Dental Association and Dentsply is scheduled for April 5, in the morning, as part of Oregon Dental Conference weekend. And second-year dental student **Jacqueline Platta** was selected to present her research at the 50th Annual Dental Students' Conference on Research in Bethesda. The conference is sponsored by the ADA Foundation and Colgate.

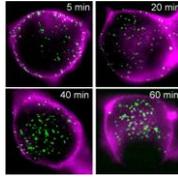
Michael Danilchik, Ph.D., professor of integrative biosciences, recently received a \$15,000 Partners in Science grant from the M.J. Murdock Charitable Trust. Under the grant, Dr. Danilchik and Union High School Science Teacher **Crystal Wulff** will spend two summers (2014 and 2015) studying the "Effects of Extracellular Microvesicles on Embryonic Development." The pair will use frog embryonic tissues as a sensitive assay to determine how microvesicles are used in cell to cell signaling. The project has implications for human health by investigating the important role that intercellular communication plays in maintaining and repairing tissue integrity. The Danilchik lab is one of three Partners in Science recipients at OHSU this year.

School's Research Day is Set for May 9

OHSU Research Week is May 5 to 9, with the School of Dentistry's Research Day set for the 9th at noon. Dean Phillip Marucha, D.M.D., Ph.D., is the 2014 Research Day keynote speaker.

Balkowiec Lab Publishes

The lab of **Agnieszka Balkowiec**, M.D., Ph.D., associate professor of integrative biosciences at the dental school, collaborates with the lab of **Tania Q. Vu**, Ph.D., associate professor in OHSU's department of biomedical engineering and Center for Spatial Systems Biomedicine, and they have recently discovered important new features of a key protein in neurons. The finding has implications for understanding and treating various conditions, including hypertension and trigeminal inflammatory pain. The discovery is published in the April issue of PLOS ONE, a leading open-access biomedical journal.



Individual BDNF molecules tracked with quantum dots as they are being absorbed by a nodose ganglion neuron. Photo Agnieszka Balkowiec, M.D., Ph.D.)

Using quantum dots (intensely fluorescent nanometer-size particles) the OHSU researchers were able to track and characterize the movement of the protein BDNF (Brain-Derived Neurotrophic Factor) as it signaled inside neurons. The study focused specifically on nodose ganglion neurons that play a critical role in control of blood pressure and respiration. The Balkowiec lab has previously shown that BDNF production is dramatically increased in nodose ganglion neurons during hypertension, as well as how BDNF supports the postnatal maturation of the brainstem cardiorespiratory controller, which has implications for SIDS (Sudden Infant Death Syndrome).

"The newly published study provides a strong foundation to researchers seeking to understand what exactly happens to BDNF as it enters a neuron," said Dr. Balkowiec. "This fundamental information is critical to developing novel approaches that target BDNF signaling."

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Alumni Association News

By Mark Kemball, M.A., OHSU alumni relations director

The School of Dentistry Alumni Association is present in the lives of students, faculty, the school, and the dental community in many different ways. Through its professional, social, and philanthropic activities, the association and its members support the next generation of dentists, advocate for the school's essential role in the initial and ongoing education of dental health professionals and connect the school with local, regional, and national dental communities.

Currently, the Alumni Association is preparing for its busiest time of the year, the annual Awards Luncheon and Class Reunions, held in conjunction with the Oregon Dental Conference (ODC). Sixteen DMD and RDH classes will gather this year, most in early April, to renew their friendships and support for the school and each other.

That said, the association and its board have been active throughout the year. In between welcoming the DS1 class last September, and wishing the DS4 class well this May as graduation approaches, the board will have sponsored: A golf tournament and a sold-out continuing education lecture; provided financial support for the Student Table Clinic competition during ODC and the Peglow Award at graduation; offered career advice and mentoring; recognized outstanding alumni and faculty achievement; launched an e-newsletter, a companion to the widely-read *Caementum* newsletter; and much more.

Stay involved with alumni activities at www.ohsu.edu/sod/alumni and please let us know your thoughts and ideas by emailing us at alumni@ohsu.edu.

OHSU School of Dentistry at ADEA

A number of OHSU School of Dentistry attended the recent ADEA (American Dental Education Association) annual session in San Antonio, March 15 to 18:

- ***Phyllis Beemsterboer**, M.S., Ed.D., associate dean for academic affairs, led a workshop, "The Ethics Writers Workshop" and attended the academic deans sessions, as well as sessions dealing with accreditation and learning strategies.
- ***Juliana da Costa**, D.D.S., associate professor of restorative dentistry, attended courses on CEREC and ICCMS (International Caries Classification and Management System), and she was elected secretary for the ADEA Operative Dentistry Section.
- ***Rose McPharlin**, D.M.D., assistant professor and Fremont group leader, attended courses addressing students' learning needs, faculty teaching, technology (CEREC), ICCMS, and institutional and professional development.
- ***Phillip Marucha**, D.M.D., Ph.D., School of Dentistry dean, attended the Council on Deans meeting.
- ***Mark Mitchell, M.A.**, associate dean for student affairs, attended several task force meetings, a recruitment fair, and other meetings pertinent to diversity, admissions, and student affairs.
- * **Rita Patterson**, D.M.D. '91, assistant professor of restorative dentistry, attended sessions on CAD/CAM and the use of prep check, using technology in the classroom, and other techniques to engage the digital age learner.
- ***Denice Stewart**, D.D.S., M.H.S.A., senior associate dean for clinical affairs and professor of community dentistry, was chair of the ADEA Annual Session Planning Committee charged with developing the annual session program for the 2014 meeting, which had more than 2,200 attendees. For her service to dental education and ADEA, she received the chair of the ADEA Board of Directors Citation. Dr. Stewart also served as the chair-elect of the ADEA Leadership Institute Alumni Association and she was appointed to a three-year term as councilor for the Clinic Administration Section of ADEA.
- ***Jeffery Stewart**, D.D.S., associate professor and chair of pathology, completed his term as past president of the supreme (national) chapter of Omicron Kappa Upsilon, the national dental honor society, and was secretary-treasurer elect of the ADEA Leadership Institute Alumni Association. He was also an ADEA Section of Faculties representative and a legislative advocacy committee member.

Balkowiec Lab *(continued from page seven)*

The OHSU team included **Anke Vermehren-Schmaedick**, Ph.D., a former research associate in the Balkowiec lab, **Thomas Jacob**, Ph.D. and **Damien Ramunno-Johnson**, Ph.D., from the department of biomedical engineering; and **Wesley Krueger** and **Keith Lidke**, Ph.D., from the University of New Mexico Center for the Spatiotemporal Modeling of Cell Signaling.