



Dental Bites

August 2013

DS1 Orientation

When the Class of 2017 arrives this month (Aug. 12), their first-day activities will be a little different than in years past. "With all of the OHSU schools now on the same academic calendar, the provost's office has coordinated a half-day orientation for all first-year dental and medical students in the afternoon with central services," said Mark Mitchell, M.A., associate dean for student affairs. "In the past, dental students have
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Restorative Curriculum Reviewed and Revised

The restorative dentistry curriculum was recently evaluated, re-sequenced, and improved. The transition period started last winter and full implementation of the new curriculum will start Sept. 30 when fall term begins.

"Our curriculum is constantly evolving to keep pace with the state-of-the-art materials and technologies emerging in restorative dentistry," said **Phyllis Beemsterboer**, M.S., Ed.D., associate dean for academic affairs. "The new and improved sequence of restorative courses are an essential part of the school's overall Strategic Plan and ongoing curricular improvements."



Juliana da Costa, D.D.S., M.S.

The 19 courses in the pre-doctoral restorative curriculum were evaluated by **Juliana da Costa**, D.D.S., M.S., associate professor of restorative dentistry, and preclinical director. The evaluation was a year-long process with great involvement of the restorative faculty.

"We acknowledge that we have a strong pre-doctoral restorative curriculum at the preclinical level," said Dr. da Costa. "Our dental students receive excellent information and plenty of hands-on experience prior to
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Partnership with FQHC Moving Ahead

Talks are continuing with staff from the Wallace Clinic in Gresham about an on-site dental clinic, reports Interim **Dean Gary Chiodo**, D.M.D. '78, F.A.C.D., with architectural drawings for a new dental building on the table, as well as an increased number of operatories and a potential dental hygiene partner in Mt. Hood Community College.

"We are moving forward," said Dr. Chiodo. "These kinds of partnerships don't usually move quickly, but comparatively, this one is moving at the speed of light. We began discussions with Wallace last July and the plans just keep getting bigger and better."

With the Wallace Clinic a Federally Qualified Healthcare Center (FQHC), it can apply for an expansion grant to extend its current Gresham site.

"For us, this means that rather than a dental clinic in a remodeled part of their current building, Wallace will apply to construct an entirely new two-level building across the parking lot from their current medical clinic that will include us," said Dr. Chiodo. "The architectural plans show a 2,800 square foot
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Dean's Fund for Research Support Award Announced

James Katancik, D.D.S., Ph.D., associate professor and chair of periodontology, recently received a \$19,268 award from the Dean's Fund for Research Support. The Fund is designed to stimulate research in the dental school by providing funds for preliminary studies, bridge funding, and/or core costs.



*James Katancik,
D.D.S., Ph.D.*

"This is the second round of funding through the Dean's Fund," said Interim Dean **Gary Chiodo**, D.M.D. '78, F.A.C.D. "We had four fantastic projects to choose from and it was hard not to select them all, but Jim's project really stood out for its innovative approach and practical applications."

With his award, Dr. Katancik will identify the structural changes induced by hyperglycemia in the periodontal and cardiac tissues as well as identify the inflammatory mediators associated with underlying cardiac and periodontal structural changes.

"Based on our preliminary data and previous reports that glucose and/or glucose metabolites regulate tissue gene expression, we believe that hyperglycemia induces common structural and inflammatory changes in the periodontium and cardiac tissues," said Dr. Katancik. "We want to determine how these changes occur and, for the long term, understand how tissue changes in the periodontium can be used for diagnostic, preventive, and therapeutic purposes in a diabetic population."

More than 20 million children and adults in the United States (seven percent of the population) are diagnosed with diabetes mellitus and more than 65 million people with diabetes die from heart disease or stroke. Periodontitis is a well-established complication of poorly controlled diabetes and a risk factor for cardiovascular disease.

"While it is evident that periodontitis and cardiovascular disease may arise from common soil, the tissue changes common to the periodontal and cardiac tissues as a consequence of a chronic state of hyperglycemia are largely unknown," said Dr. Katancik. "Without this knowledge, we do not have the ability to fully understand the link among these three common diseases and, therefore, our diagnostic abilities and therapeutic strategies are limited.

"We hope that once the structural and molecular changes due to hyperglycemia are known from this pilot project that we will be well-positioned to obtain funding and launch a translational clinical study evaluating the periodontal tissues as a relatively non-invasive source of biomarkers for diagnosing cardiac morbidity in a diabetic population," he said. "We will also be prepared to examine the additive risk of periodontitis in diabetes associated with cardiovascular disease."

DS1 Orientation *(continued from page one)*

attended gross anatomy in the afternoon of the first day and then central services—Student Health, Center for Diversity, Library, etc.—has made separate presentations to the dental and medical school first-years as the schedule allows.

"Having all of the first-year OHSU students receive the same orientation on the first day will be more efficient," said Mark.

SOD Staff and Faculty Happenings

***Jay Anderson**, D.M.D., M.H.S.A., assistant professor and director of the OHSU Russell Street Clinic, has received an ADEA/AAL Faculty of Color Tuition Scholarship for Professional Development: ADEA/AAL Compass Program for Academic Advancement Career Development Module. Dr. Anderson is one of two recipients nationally. He will go to Atlanta in September to participate in the program.

***Betsy Brown**, Ph.D., is *not* retiring, as reported in the July 2013 *Dental Bites*. We regret the error.

***Winthrop B. "Bernie" Carter**, D.D.S., assistant professor and director of the graduate residency program in periodontology, was promoted to associate professor, effective July 1. Dr. Carter joined the dental school in 2002.

***Mark Engelstad**, D.D.S., M.D., associate professor of oral and maxillofacial surgery (OMFS), has been appointed interim chair of the OMFS department, effective Aug. 1. **Julie Ann Smith**, D.D.S., M.D. (see below) completed her one-year contract as OMFS interim chair on July 19.

***Patrick V. Hagerty**, D.M.D. '85, has joined the OHSU faculty part-time as assistant director of the General Practice Residency program, effective Aug. 1. Dr. Hagerty completed his one-year General Practice Residency program at OHSU in 1986 and was disappointed when the program closed in 2003 due to university budget cuts. Dr. Hagerty is in private practice in Albany. It was a discussion with one of his patients that led to a \$1 million gift that is enabling OHSU to restore its GPR program in the fall of 2014. For more on Dr. Hagerty and the GPR gift, go to www.ohsu.edu/sod and click on Alumni, then Publications, and go to page six of the spring 2011 *Caementum*.

***John Hanna**, D.D.S., Pediatric Dentistry '72, assistant professor and director of the Pediatric Dental Surgery Clinic in Doernbecher Children's Hospital, has been appointed pediatric dentistry residency program director, replacing **Bob Steelman**, D.M.D., M.D., who recently left the school to return to full-time practice at Doernbecher.

***Darko Ivkovic**, senior facilities technician, recently joined the dental school to help maintain the dental school and its equipment, replacing **John Keeling**, who retired in June.

***Jessica Price**, Fremont bridge group care coordinator, is a new aXium trainer, partnering with **Sarah Cinnamon**. Jessica replaces **Kate Boyle**.

***Christine Sedgley**, M.D.S., M.D.Sc., F.R.A.C.D.S., M.R.A.C.D.S. (ENDO), Ph.D., associate professor and chair of endodontology, was promoted to professor, effective July 1. Dr. Sedgley has been on faculty since 2010.

***Julie Ann Smith**, D.D.S., M.D., assistant professor of oral and maxillofacial surgery, was promoted to associate professor, effective July 1. Dr. Smith joined the dental school five years ago. Dr. Smith also was one of four Golden ROSE award recipients at the university in July.

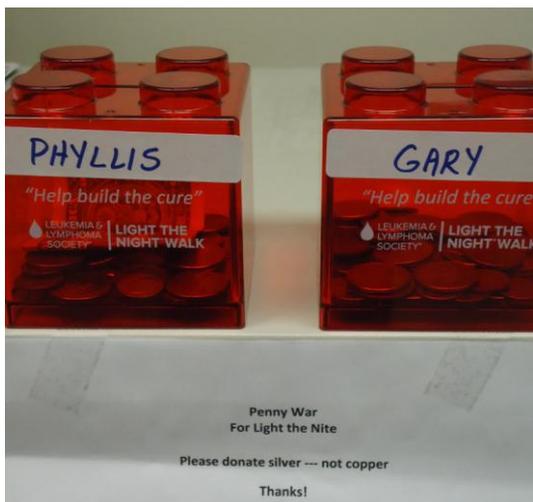
Recent Photos from OHSU School of Dentistry



A group of second-year dental students gather excitedly prior to receiving their white coats July 19 at the OHSU Auditorium. The white coats are a tradition symbolizing increased responsibility for patient care in the pre-doctoral clinic. See story at www.ohsu.edu/sod. (Photo Sydney Cleverger)



Christine Nguyen, D.M.D. '13 (left) and third-year dental student John McLennan were part of a student/faculty/alumni team that spent a week in early July caring for children in the Dominican Republic and Haiti with no access to dental care. Also on the trip were Barry Taylor, D.M.D. '95, assistant professor of restorative dentistry, and fourth-year dental students Traci Saito and Michelle Nguyen. The trip was coordinated through Touching Lives Worldwide and paid for by the dean's office. (Photo Donald Shipe)



Light the Night Co-leaders Phyllis Beemsterboer, M.S., Ed.D., and Interim Dean (and cancer survivor) Gary Chiodo, D.M.D. '78, F.A.C.D., are having a friendly competition to raise awareness—and funds—for the October 19 leukemia/lymphoma walkathon, for which OHSU is a sponsor. OHSU School of Dentistry is a co-sponsor, with a fund-raising goal of \$5,000. All are welcome to walk with the SOD team and/or make a donation at: <http://www.lightthenight.org> or visit the dean's office. (Photo Sydney Cleverger)

"Like" Us on Facebook:
<https://www.facebook.com/ohsuschoolofdentistry>



Recent construction work on the Skourtes Tower, the dental school's new facility, has included elevator installation, concrete poured for the stairs, and pre-sheet rock installation on the 9th floor (see photos at www.facebook.com/ohsuschoolofdentistry). In addition, geo-foam and backfill are being placed around the bottom of the entire building to bring the surface up to street level. Enjoying a recent sunny-day tour (above) are Dean Emeritus Jack Clinton, D.M.D. '64 (third from left) and his wife, Mary (second from left), along with Julie Hirai, executive assistant to the deans (right), and Coral Pipkin, executive assistant (left). To make a gift, contact Patrick Regan, SOD development director, reganp@ohsu.edu. (Photo Lauren Gallagher)

FQHC Partnership *(continued from page one)*

dental clinic, in which we think we can get seven operatories, up from the initial three we were discussing with them. We also think there is room for a lab and a waiting area." Dr. Chiodo said that Mt. Hood Community College is "thrilled" at the opportunity to have one operatory in which to partner with OHSU School of Dentistry students.

Should Wallace be added to the dental school's repertoire of community health sites, it would become a required rotation for dental students, with the community rotation requirement (now two weeks for all graduates) increasing.

"We want to get our students out to where the patients are, as opposed to waiting for patients to come to us," said Dr. Chiodo. "The Wallace Clinic is based within a heavy immigrant population of underserved. A Wallace partnership would be an excellent interprofessional education opportunity for our dental students, as well as an unparalleled community service for Oregon."

Restorative curriculum *(continued from page one)*

providing patient care in the clinic. Therefore, we decided to keep similar content but change the sequence of when the information is introduced to dental students so there is a more logical progression through the restorative curriculum.

"In the new curriculum, the information will be presented from the basics of restorative dentistry with anatomy and occlusion, transitioning to prevention, minimally invasive dentistry, direct restorations, and then to complex dentistry including crowns, implants and complete denture," she said. In addition, five treatment planning courses in the second year will allow students to take a "patient" through each step of treatment and "complete the procedure" on a typodont.

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School Calendar

Aug. 12	Start of DS1 pre-fall session
Aug. 29-30	DS1 Cannon Beach orientation
Aug. 30	End of summer session
Sept. 2	Labor Day holiday
Sept. 20	End of DS1 pre-fall session
Sept. 20	Cantwell Memorial Golf Tournament (see ad below)
Sept. 21	Cantwell Memorial Lecture and Margaret Ryan Dental Hygiene Update (see ad below)
Sept. 30	Start of 12-week fall term



**OHSU School of Dentistry Alumni Association
Back to School Weekend 2013**

**2013 Cantwell Memorial Golf Tournament
Friday, September 20**

The Reserve Vineyards and Golf Club
Four person scramble and awards luncheon
7 am Registration
8 am Shotgun Start

*Space is limited and advance registration is required.
Deadline to register is September 7, 2013*

**2013 Cantwell Memorial Lecture and
Margaret M. Ryan Dental Hygiene Update
Saturday, September 21**

Marion Miller Auditorium, OHSU Vey Conference Center
11th floor, Doernbecher Children's Hospital
7 am Registration and Breakfast
8 am Course Begins

"Current Management of Oral, Head and Neck Cancers"
Presented by Cynthia Kleinegger, DDS, MS and
Daniel Petrisor, DMD '03, MD
Four hour course (4 credit hours)

July Community Outreach

The department of pediatric dentistry was out in the community last month providing patient care and oral health instructions to children of migrant workers and Special Olympics athletes.

On July 16, second-year pediatric dentistry resident **Kendra Flann**, D.M.D. '11, and first-year pediatric dentistry resident **Kate Stanley**, D.D.S., provided care to children at Fern Hill Elementary in Forest Grove, in conjunction with the YMCA, on the Medical Teams International van, with John Engle, D.D.S., Pediatric Dentistry '74, assistant professor and chair of pediatric dentistry. On July 23, third-year dental student **Farielle Houran**, Drs. Flann and Engle, and second-year pediatric dentistry resident **William Moore**, D.M.D., were at Fern Hill again providing care.

On July 13, a number of SOD'ers and their family members volunteered at the 2013 Special Olympics Oregon Summer State Games Special Smiles, providing dental exam and oral hygiene instructions for 233 athletes. "We identified seven individuals with immediate treatment needs," said **Elizabeth Palmer**, D.M.D. '08, Pediatric Dentistry '10, assistant professor of pediatric dentistry. "It was a very successful day."

Additional volunteers included: **Robert Bowles**, D.M.D. '66, assistant professor of restorative dentistry (along with his wife, **Sandra**, and several of their friends); **Beata Cymorek**, D.M.D., assistant professor of restorative dentistry; **Sherry Lemon**, associate professor; **Mary Ann Haisch**, R.D.H., assistant professor of community dentistry (along with two grandchildren); **Jack Ferracane**, Ph.D., professor and chair of restorative dentistry; **Gary Nelson**, D.D.S., assistant professor of pediatric dentistry (and his wife, **Cinde**); dental assistants **Nicole Yeats** and **Marie White**; Dr. Flann; fourth-year dental students **Cathrine Martell** and **Nathanael Repta**; and third-year dental students **Kendra Chandhoke**, Farielle, and **K.C. Gilbert** (and girlfriend).

Restorative Curriculum *(continued from page five)*

"Therefore," said Dr. da Costa, "they will have greater exposure to axiUm to enhance their treatment plan understanding and still practice in the simulation clinic. We hope these changes will make for a smoother transition into the clinic."

Additional curriculum enhancements include:

- *Moving the basic orthodontic technique from the second year to the first year to lighten the DS2 load;
- *Moving the pain control (local anesthetic) course from the third year to the second year so DS2's can begin giving anesthesia to patients;
- *Extending the pediatric dentistry lecture series in the third year to allow for more training in problem solving when DS3's are introduced to the clinical care of children;

Fall courses have been scheduled so that re-sequenced courses can be presented to DS1's and DS2's at the same time.

In addition to being part of the school's previous Strategic Plans, the restorative curriculum restructuring was driven by preparations for the new building.

"Our new building will have a simulation clinic, but no bench-top technique lab," said Dr. Beemsterboer. "This means more focus will be placed on minimally invasive techniques, as opposed to the restorative techniques in less demand in today's dental office. All of these changes will help us coordinate with new initiatives within interprofessional education.

"We think these changes are a win-win for dental students and faculty and position us for the major move to the South Waterfront," she said. The dental school's anticipated move is in mid-2014. For more on the new building, go to www.ohsu.edu/sod and click on New Building.