

This month's newsletter is dedicated to the community service and engagement initiatives of the College of Health Sciences. I am sure you are aware that Old Dominion University was recognized for community service and civic engagement from the highest level of the federal government and health sciences student contributed to this prestigious award. Students are the energy that drives our commitment and they are the ones who make it all happen. Please read more about several of the health science global and local community service initiatives. Dean Mishoe hosted our third annual "Slippers and Cider Day" and many dropped by to chat and share some laughs. President Broderick and Provost Simpson met with the faculty to learn more about new directions for our college. The BSHS Public Health Track students took full advantage of Spring Break to enjoy the newest opportunity for study abroad. We added a new feature to the newsletter this month – a poetry and art page. I know you will enjoy the exhibit from Ms. Katherine Ogle, daughter of Dr. Roy Ogle, Chair of Medical Diagnostic and Translational Sciences. We would love to see more creative expression in future issues. Stay connected - We will spotlight more Spring Break service activities in the April newsletter. I am so glad winter is OVER!

Wishing you a very happy spring,



Debbie Bauman



Photo by Steve Daniel, *Inside ODU*, March 21, 2013

February Events



Slippers and Cider Day,
February 27



Dental Hygiene's Continuing Winter Education
Weekend, February 22-24 at the Sheraton Oceanfront
Hotel, Virginia Beach, VA attended by 242 participants.

Procter & Gamble Global Dental Hygiene Advisory Board, Dublin, Ireland



Mario Rui Araujo – Portugal; Famiglia (Emily) Gumina – Switzerland; Marina Harris and Jean Suvan – UK; Marjolijn Hovius – Netherlands; Dr. Ron Knevel – Australia; Salme Lavigne – Canada; Chicca Scagnetto – Italy; Dagmar Slot – Netherlands; Sarah Burt, Dr. Karen Williams, Michele Darby, Dr. Harold Hansen, and Dr. Jane Forrest – USA

On July 16-18, 2012, Michele Darby, Chair of the School of Dental Hygiene and 13 other leaders from eight different countries, participated in the second Global Advisory Board meeting in Dublin. The Board explored the relationship between the dental hygiene profession and the P&G products, the changing role of the dental hygienist, and consumer oral health worldwide. P&G and the dental hygiene profession must be expanded so that people, regardless of where they live, can benefit from evidence-based oral disease prevention interventions that can be delivered cost effectively by dental hygienists.

The Board identified potential oral health projects that support the universal desire for international connections. Worldwide, people need to know how to prevent oral diseases rather than wait for diseases to occur. The importance of culture to explaining health behaviors, product choices, and perceptions of health and illness was acknowledged and all verified the need for inter-professional collaboration. The Board explored cultural barriers between health care consumers and providers, reviewed proprietary products and devices, and toured the Newbridge Plant for floss and tooth brush manufacturing. The Board participated in a critical thinking and problem solving workshop designed to stimulate creative ideas for new programming and products, and experience cultural differences and perceived needs for oral health products used by dental hygienists to improve health for unique populations.



ODU Adjunct Professor Leads Health Training Partnership in Mexico



ACAPULCO, Mexico (Feb. 20, 2013) Capt. Bruce A. Cohen, force surgeon at Navy Expeditionary Combat Command (NECC), and ODU Adjunct Professor, speaks to Mexican navy students at the Search, Rescue and Diving School in Acapulco, Mexico. A group of U.S. Navy medical specialists instructed a clinical hyperbaric oxygen therapy course for 30 Mexican navy physicians, nurses and divers. (U.S. Navy photo/Released)

A Mobile Training Team (MTT) of three U.S. Navy medical specialists deployed to the Search, Rescue and Diving School in Acapulco, Mexico, to teach a 40-hour clinical medical course focusing on hyperbaric oxygen therapy, Feb. 18 to 22. This marks the second year team members conducted this training, stemming from a request from the Mexican navy in 2012. Leading that team was ODU Adjunct Professor, Capt. Bruce A. Cohen, MC, USN.

"The Mexican navy has the equipment, but their program to develop the expertise to utilize the equipment to its fullest potential is still in its infancy," said Capt. Bruce A. Cohen, force surgeon at Navy Expeditionary Combat Command (NECC). "We've been doing this a long time, so they turned to us for assistance. NECC places high focus on assisting our counterparts with this training as it better supports the interoperability of shared and joint missions."

The Mexican navy has 17 hyperbaric chambers. A hyperbaric chamber is a cylindrical compartment that artificially reproduces pressure conditions found under the sea, allowing for an isolated form of oxygen therapy to be used in both diving-related and non-diving medical applications. These chambers are essential in preventing and treating decompression sickness in divers.

The five-day course provided an opportunity for the two navies to participate in lectures, discuss case studies and share knowledge through group interactions. The training included instruction on chamber operations, wound care and basic medicine for treatment of patients in a hyperbaric environment.

Mexican navy personnel attending the course included 10 physicians, 10 nurses and 10 divers from all over their country. The Search, Rescue and Diving School provided students with a state-of-the-art facility, supplying a hyperbaric chamber, real-time instant translators and electronic whiteboards.

"They have a phenomenal translation system and people there," said Cohen. "It's real-time translation. We wear a headset and it translates as we speak; instantaneously."

The translation system allowed the two navies to communicate effectively throughout the classroom-based course despite language barriers, while a hyperbaric chamber on-site provided a platform for visual demonstrations.

"The undersea environment can be harsh and unforgiving and is dangerous to operate in," said Cohen. "A hyperbaric chamber allows for treatment of injuries that could be life threatening to working divers."

Excerpted from US Navy Story Number: NNS130306-12 Release Date: 3/6/2013 3:08:00 PM
By Mass Communication Specialist 3rd Class Kay Savarese

Katherine Tan Becomes the New Blogger for “Reflections on Nursing Leadership”



Katherine Tan

Katherine Tan, a freshman in the School of Nursing, is the new blogger for **Reflections on Nursing Leadership**, an international online journal of Sigma Theta Tau International.

In my own words: Editor's blog Meet RNL's newest and youngest blogger!

Travel along as she journeys toward a career in nursing.

By James E. Mattson

A few months ago, Janice Hawkins, MSN, RN, faculty member and chief academic adviser at Old Dominion University School of Nursing, contacted me with what she called an “out-of-the-box” idea. We have a freshman prelicensure student in our nursing program, she wrote, who is “remarkably remarkable.” After backing up her praise with impressive evidence, she proceeded to the point of her email. Observing that Reflections on Nursing Leadership (RNL) features a number of blogs, she wondered if I’d be open to publishing a blog by a student just starting her nursing education.

Yes, I was open to the idea, because it makes sense. While it’s true that one doesn’t become a registered nurse in the United States until he or she passes the National Council Licensure Examination (NCLEX-RN) for a particular state and is licensed to practice, becoming a nurse begins as soon as one makes the decision to become a nurse. Because every step in the journey contributes to the goal of being fully prepared to practice nursing, each step is as important as the final step. Ever try completing a trip along a prescribed route from Point A to Point B without passing through all the points on that route? It can’t be done. Moreover, when it comes to nursing, you don’t want someone practicing who hasn’t completed the requisite qualifying steps. So, it’s time we heard from someone who is on that journey.

Meet Katherine Tan, author of “Muddling my way to midwifery.” In her first post, titled “Me, a nurse?,” we find that Tan’s journey to nursing began in her junior year of high school. Or was it at age 6 or 7, when she asked her mother what she should be when she grew up?

For students on the same journey, perhaps you’ll identify with many of Tan’s perspectives, or maybe you’ll find some of what she writes about quite different from your experience. That’s good. Fellow travelers often highlight different things when recounting the same adventure.

For seasoned nurses, there will be times when you read her blog and reflect, “I remember that!” Other times, you’ll find yourself thinking, “My, how things have changed!” And that’s good, too—because, to improve health in a changing world, it’s essential to hold onto what has proven effective and to improve what has been shown to be deficient.

Welcome, Katherine, as an RNL blogger!

Serving enroute as a mentor and consultant to Tan on her blogging journey is Hawkins who, by the way, is on her own journey. Watch for her soon-to-be-published article on surviving her first year in a PhD program.

Have you signed up yet for email notification?

As a busy nurse, you may forget checking Reflections on Nursing Leadership for the latest content—new content is posted most every weekday. If you do remember, you may still overlook something important. Sign up for email notification or RSS feed, and you won’t miss a thing. When the alert shows up in your inbox and it’s a story of interest to you, just click on the link provided.

For notification of new RNL content via email, [click here](#), enter your email address, decipher the security characters, select “Complete Subscription Request,” and you’re done.



Janice Hawkins

To automatically add new RNL content to an RSS reader, [click here](#), choose one of the many readers that appear, respond to the prompts, and links to new content will be fed to your reader for access whenever you choose. RNL

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For the second year in a row, Old Dominion University has been recognized for our community and civic engagement from the highest level of the federal government and the health sciences students contributed to this recognition. This designation is the highest honor a college or university can receive for its commitment to volunteering, service-learning, and civic engagement.

We're honored to receive this prestigious award-and owe much of it to the students themselves. They're the energy driving our commitment and they're the ones who make it all happen.

Dental Health Promotion and Disease Prevention

ODU's Gene W. Hirschfeld School of Dental Hygiene provides health promotion and disease prevention activities to underserved populations through outreach and service that includes offering oral screenings, dental sealants, fluoride treatments, oral radiographs and patient education. Approximately 8,000 people received free services from senior dental hygiene students in 2012 and the School of Dental Hygiene donated an additional \$85,464 in professional dental hygiene oral health care services, including one instance where client assessment and triage services were provided to the Rappahannock Indian Reservation, located more than 100 miles from ODU. To make the project sustainable, a grant is in the planning stages. Also, the city of Norfolk holds a special annual event to facilitate basic health services for the homeless, where ODU students provide oral screenings, repairs and oral health education. In all, 45 students and 16 faculty/staff members contributed 20,000 and 74 service hours, respectively, to the effort in 2012.

Nursing Students Make the Connection through Community Health Partnerships

Community Health Partnerships (CHP) is a program that takes fourth-year, pre-licensure students and links them with community organizations that serve vulnerable populations. The emphasis is on providing health and wellness interventions to help impoverished children, homeless, elderly and the uninsured.

Nursing students are also work with Being There (at) ForKids, a Norfolk non-profit organization that provides shelter and assistance programs to homeless families. To understand the organizations, students meet with the organization's staff, then the parents helped by ForKids.

Through initial familiarizations, and by doing some other statistical and qualitative data gathering on local injuries, the students determine that the families served by the organization needed to know about three things that could protect their health and prevent injury: how to insure home safety; the importance of getting vaccinations; and, the need to use car seats for young children. Students assigned to the injury prevention workgroup for the school year 2010-2011 actively engaged the mothers served at ForKids and also found there was a demand for information about such concerns as huffing (the deliberate inhaling of fumes from gasoline or aerosol cans), use of energy drinks and how to prevent the spread of sexually-transmitted diseases.

Highlights

- ☞ **Steven Becker**, professor, Community and Environmental Health was awarded (PI) a Department of Homeland Security and Cazador contract for \$378,309 for his project “to develop, test, and refine materials that can be used to inform people regarding radiological terrorism incidents.” In 2012, Professor Becker was appointed by President Obama to Nuclear Waste Technical Review Board. For details, please visit: http://www.odu.edu/news/2012/10/presidential_appoint.
- ☞ **Jim English**, associate professor, Community and Environmental Health, was reappointed by the Norfolk City Council to the Norfolk Services Advisory Board for a 3 year term.
- ☞ **Anna Jeng**, associate professor, Community and Environmental Health, received a Certificate of Merit from the National Environmental Health Association, March 2012 of outstanding contributions to the profession of environmental health.
- ☞ The **ODU Public Health Organization** traveled to Guatemala City for Spring Beak. The students participated in clinical healthcare volunteer placements over the course of 7 days at various local hospitals and clinics, that will cater to under-served Latin American populations, while shooting a project documentary.



(Back Row) (L-R) Arlisa B., C’esa J., Amber G., Justina A., Dr. Kopitzke, Joshua B., Abigail B., Simone R., Leah B., Mary S., Morgan M., Acara P.
(Front Row) Olivia M. and Holly O.



Picture are ODU seniors Ashley London, Megan Cassara and Jonathan Carter with Malibu students.

- ☞ Old Dominion University senior dental hygiene students made dental health fun for Malibu students recently when they visited the Virginia Beach City Public Schools with puppets, super-sized tooth brushes and videos.

Highlights (continued)

- 🦋 Congratulations to **Katherine Ferrara** on receiving the National Academic Advising Association (NACADA) Region 2 new advisor award. Katherine recently traveled to New Brunswick, NJ to be honored for her accomplishments at the annual conference.
- 🦋 **Tabetha Sundin** and **Professor Patricia Hentosh**, Medical Diagnostic and Translational Sciences, poster presentation was accepted at the Annual Research Conference of the American Society for Biochemistry and Molecular Biology (in Boston, MA April 2013), entitled “Perillyl alcohol and rapamycin-mediated inhibition of migration and invasion”. Co-authors are Dr. Dennis Peffley and doctoral student Peter Mollica. Tabetha was also selected to receive a \$1000 travel award to attend the meeting in Boston.
- 🦋 The BSHS Program has a new honor society for public health majors. The Eta Sigma Gamma Honor Society, ODU Chapter Epsilon Theta, will be installed on April 25, 2013.
- 🦋 As part of the College of Health Sciences Brown Bag Series, Roy Ogle, chair and professor, Medical Diagnostic and Translational Sciences, gave a brief overview about his research, emphasizing areas with potential interdisciplinary collaborations with the College of Health Sciences.

Publications

- 🦋 **DeLeo, G., *Lubas, M., & Mitchell, J.R.** (2012). Lack of communication even when using alternative and augmentative communication devices: Are we forgetting about the three components of language. (Editorial). *Autism, 2*.
- 🦋 ***Lubas, M., Mitchell, J. R., & DeLeo, G.** (2012). Augmentative and alternative communication solutions and autism. In Patel, V. B., Preedy, V.R., & Martin, C. R. (Eds). *The Comprehensive Guide to Autism*. London.
- 🦋 Sundin T, Peffley DM, **Hentosh P.** Disruption of an hTERT-mTOR-RAPTOR protein complex by a phytochemical perillyl alcohol and rapamycin. *Molecular Cellular Biochemistry 375: 97-14, 2013*
- 🦋 Sundin T, Peffley DM, Gauthier D, **Hentosh P.** The isoprenoid perillyl alcohol inhibits telomerase activity in prostate cancer cells. *Biochimie 94: 2639-48, 2012*

*Margaret Lubas is a student in the PhD in Health Services Research Program.

Ripe – Katharine Ogle

From my temple grows a gray☒

An honest silver spout

I have a mind to tell my head

That it should be plucked out

And wrapped around, a bow to hand

To remind the sproutling youth

How long we grow and short we stop

Before we're picked as fruit

The garden worm works through a plum

Where ancient stony pit

Undertakes – a nod – aside

So the hungry hair can itch



Upcoming events

April

- 15 **Annual Military Appreciation Day**
Health Sciences Building, Room 2110 12:00 pm-1:00 pm
Light Lunch Provided (RSVP to csdavis@odu.edu or 683-4960)

- 16 **Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Grant Proposal Preparation Workshop**
Innovation Research Park 2 (43rd & Monarch Way)
1st Floor Conference Center 9:00 am-4:30 pm

- 17 **Tech Transfer Funding Sources and Resources Forum**
Innovation Research Park 2 (43rd & Monarch Way)
1st Floor Conference Center 3:00 pm-7:30 pm

Community and Environmental Health Student Workers



Alexa Owens



Patrick Belcher

HEALTH TIP: AVOID GOING OUTSIDE AT DAWN AND DUSK AS THESE ARE THE HIGHEST POLLEN TIMES DURING THE DAY.

