

4-2016

College of Health Sciences Newsletter, April 2016

Irvin B. Harrell (Ed.)
Old Dominion University

Follow this and additional works at: https://digitalcommons.odu.edu/healthsciences_newsletters

Recommended Citation

Harrell, Irvin B. (Ed.), "College of Health Sciences Newsletter, April 2016" (2016). *College of Health Sciences Newsletters*. 19.
https://digitalcommons.odu.edu/healthsciences_newsletters/19

This Book is brought to you for free and open access by the College of Health Sciences at ODU Digital Commons. It has been accepted for inclusion in College of Health Sciences Newsletters by an authorized administrator of ODU Digital Commons. For more information, please contact digitalcommons@odu.edu.

IPE Day draws more than 300



Keynote speaker delivers heartfelt testimonial on healthcare experience

When Brian Boyle was carted into the hospital about 12 years ago after a devastating car crash, his chances of survival were slim at best. He spent two months in a coma as health care professionals tried to figure out how to put him back together again.

Miraculously, their efforts worked, and since recovery, Boyle has shared his appreciation of his care-givers on TV shows, news articles, books and recently at Old Dominion University.

On April 6, Boyle brought his riveting story to a captive audience of more than 300 students, health care professionals, staff and faculty members, and community members at the College of Health Sciences 2nd



Brian Boyle, author of two critically acclaimed books about the patient experience, was the keynote speaker at IPE Day.

Annual Interprofessional Education Day.

Boyle spoke about “leaving the ego out of health care,” and how “I was a patient, but I was also a person.” He regaled the

Dean's Message: Assistant Dean Kimberly Adams Tufts

IPE still gaining momentum

With a strong wind in our sail, IPE is cruising along. We are making meaningful strides toward achieving our strategic goal of creating an interprofessional education and practice culture in the College of Health Sciences. Our crew of faculty, staff, and students are pulling together to make IPE the gold standard for education.

We are also getting the word out about our IPE-related work. For example, this semester alone:

- ◆ Sixty-nine faculty attended the faculty-led IPE faculty development retreat in January.
- ◆ A group of interprofessional faculty presented “The Importance of Teaching Telehealth Etiquette: The Key to a Successful Visit” at the National Telehealth Conference at the University of Cincinnati.
- ◆ Dental hygiene, environmental health, nursing, and public health faculty wrote “Lessons Learned from an IPE Team: Students and Faculty United.” Their manuscript has been accepted for publication in the American Journal of Health Research.
- ◆ Community and Environmental Health faculty, representing medicine and nursing, co-wrote an editorial about the interprofessional potential of dental hygiene and nursing.
- ◆ Another group of global health, physical therapy, and special education faculty are working with a community-based organizations to advance physical therapy projects in the Dominican Republic.
- ◆ Athletic training, clinical counseling, dental hygiene, and nursing faculty presented “Interprofessional Education: Platform for Collegiality and Educational Innovation” as part of the ODU Center for Learning and Teaching “Connect with Colleagues” series.



Kimberly Adams Tufts

Our collective efforts culminated in IPE Day 2016, a collaborative effort between the College of Health Sciences, School of Nursing, and Children's Hospital of The King's Daughters (CHKD). Together, they provided compelling IPE-based programming to more than 300 faculty, staff, students, and community members. Participants included six community-based patients, 20 volunteer facilitators, 53 faculty and staff members, and more than 250 students. Notably, all the students in the cytotechnology program were in attendance, and several participants have commented that it was great to hear other students' insights.

The numerous positive anecdotal comments from participants and an early review of evaluation responses underscores that we are fulfilling our mission to educate students regarding the importance of interprofessional collaborative practice and how collaborative practice contributes to achieving the Institute of Healthcare Improvement's “Triple AIM” for optimizing the health system performance.

But we are far from done. Faculty groups have begun to explore the potential for new COHS IPE courses on the topics of leadership for evidence-based innovation and big data analytics. All first-year students will convene on Monday, Aug. 29, to learn about their respective health care roles and responsibilities.

In addition, preliminary plans for IPE Day 2017 have begun. In response to faculty and student requests, we are planning to present a population-based topic.

Check out the COHS IPE video that was screened at IPE Day!

https://online.odu.edu/bin/interprofessional_education/

Table of Contents	
Dean's message	2
From the Editor	3
EnviroAtlas plan	5
Research workshop	6
Special symposium	6
Let's Move	7
Student colloquium	8
Calendar	8

FROM THE EDITOR

Center for Global Health deftly switches gears

Public health is a realm that requires thinking outside the box when the situation calls for it. Dr. Muge Akpinar-Elci, the director of Old Dominion University's Center for Global Health, understands this principle very well.

When study-abroad opportunities in the Americas were derailed by the Zika virus, Dr. Akpinar-Elci explored alternatives to take a negative and turn it into a positive educational experience. She and her colleagues — Sharon Stull, Christine Sump, Janice Hawkins and Deborah Gray — anchored this pursuit in a project that would allow students to take their knowledge to the public through Zika-related service learning projects.

Dr. Akpinar-Elci contacted the National Institutes of Health (NIH), the largest biomedical research agency in the world. Among the agency's goals are to foster innovative research strategies to improve and protect health, as well as develop resources to ensure disease prevention.

The agency's scientists agreed to give our students a briefing on the nation's efforts to combat the Zika virus outbreak. So instead of heading south, our students will travel north, to Bethesda, Md., where the NIH's research campus is located. The disciplines represented among our caravan will be Nursing, Dental Hygiene, Master of Public Health, Ph.D. in Health Services Research, and Journalism — that's me.

Following the trip, Dr. Akpinar-Elci says the students will participate in a couple service learning projects on Zika virus prevention and mosquito control in Hampton Roads. This will be a very educational trip, given the current fearful reports on this vector-borne disease.

The U.S. Centers for Disease Control and Prevention (CDC) says the Zika virus is "scariest" than public health officials originally thought, according to several recent news reports. Among the CDC's concerns are a wider range of birth defects linked to the virus and its ability to travel to more U.S. states than previously thought.

There have been 346 travel-associated Zika cases reported in the U.S., according to the CDC. Of those cases, 32 were pregnant women and seven were sexually transmitted.

Dr. Akpinar-Elci and her colleague's timing on this teaching moment could not be more perfect.



Irvin B. Harrell,
Coordinator of Strategy
& Marketing

Old Dominion University College of Health Sciences is turning 30 this year!



Please join us in celebrating this important milestone of 30 years of academic excellence by showing your support for the College of Health Sciences' future and making your gift today. Every gift makes a difference and helps us achieve our vision of advancing healthcare education and research through interdisciplinary and global collaborations.

To make your gift online, please visit www.odu.edu/efgive

Share your anniversary pledge on Instagram (@oducohs) or Twitter! @COHS16 #COHS30



More than 300 attendees interacted during this year's IPE Day at the Ted Constant Convocation Center.

IPE, from Page 1

audience with anecdotes about the positive care he received during his many stages of treatment.

"I have an enormous amount of gratitude for what you're doing and learning," he said to the students in the audience.

The three-and-a-half-hour program at the Ted Constant Convocation Center delivered several powerful messages and lessons for the participants.

After a welcome address from Dr. Shelley Mishoe, dean of the College of Health Sciences, Steve LePock II, from Virginia Beach Public Schools, gave a presentation on occupational safety and loss control. Following a video about roles and responsibilities, the audience was divided into groups and tasked with assessing and addressing patient need in a case study. A few of the groups presented their findings to the whole audience.

The event, organized by Dr. Kimberly Adams Tufts, assistant dean of interprofessional education, was made possible by a collaboration of the College of Health Sciences, the School of Nursing, and Children's Hospital of The King's Daughters.



Assistant Dean Kimberly Adams Tufts poses with keynote speaker and author Brian Boyle.

EPA group sets sights on area research

Imagine being able to get a geographic snapshot of the health risks and benefits of your community, all with just a few clicks of a mouse. Soon that will be a reality for the Norfolk area thanks to a program developed by the U.S. Environmental Protection Agency.



EPA delegation: From left, Regina Poeske, Andrew Wynne, Laura Jackson, Barbara Walton, Anne Neale, Rochelle Araujo

The EnviroAtlas Program provides interactive tools and resources for exploring the benefits people receive from nature. These “ecosystem goods and services” are important to human health. Developers of the program visited Old Dominion University in late March and held presentations on the program for students from the School of Community and Environmental Health, showing its potential usefulness to professionals in environmental science, public health, community planning and many other fields with an interest in the environment.

“Our students were very excited to have a special opportunity to become familiar with EPA’s powerful, cutting edge tool,” said ODU’s Dr. Steven M. Becker, the professor who helped arrange the presentation for his students.

“These benefits underpin almost every aspect of human well-being, including our food and water, security, health, and economy,” according to the EPA, which launched the program in 2014.

Anne Neale, a research scientist with EPA’s Office of Research and Development, and leader of the EnviroAtlas project, was joined by EPA researchers Laura Jackson and Barbara Walton. Jackson has developed and led interdisciplinary ecosystem-based research at the EPA for 25 years.

Walton, a board-certified toxicologist whose 39-year career in environmental toxicology has involved positions in research, policy and teaching, serves as the assistant laboratory director at the EPA.

With EnviroAtlas, users can access, view, and analyze hundreds of local and regional environmental data layers to better understand the potential impacts of various decisions on sustainability and resilience. EnviroAtlas covers the contiguous U.S. at 30-meter and watershed resolutions, and selected urbanized areas at one-meter and census block-group resolutions. EnviroAtlas will add the Norfolk area to its featured communities in 2017.

“Our students were very excited to have a special opportunity to become familiar with EPA’s powerful, cutting edge tool,” Dr. Steven M. Becker, a professor with the School of Community and Environmental Health.

Currently, EnviroAtlas has already mapped 12 communities, including Durham, N.C.; Fresno, Calif.; Green Bay, Wis.; Tampa, Fla.; Portland, Ore. The EPA plans to increase its mapped communities in the United States to more than 50 by 2019. Communities are selected based on geography, ongoing local research, data availability and the ability to leverage other EPA projects.

Data on air quality; water quality; natural hazard mitigation; climate; recreation, culture and aesthetics; biodiversity conservation; and food, fuel and materials are among the information that EnviroAtlas collects.

CENTER FOR GLOBAL HEALTH

Guest gives workshop on community research

Dr. Jaya Dantas, a professor of international health from Curtin University in Western Australia, conducted an interactive session entitled “Community Based Participatory Research Methods: A Workshop” at Old Dominion University on March 30. This event was sponsored by the Center for Global Health and the Department of Women’s Studies.

Faculty and students across the campus attended the workshop to learn more about the cutting edge approach called community-based participatory research (CBPR). CBPR involves including community members, local organizations and researchers simultaneously in all aspects of the research process.

Dr. Dantas is world renown for using community-based participatory research for a variety of topics including empowerment processes among refugee and migrant populations, social and cultural consequences of post-conflict adversity on women and youth, and social determinants of health. She has conducted CBPR in countries such as Australia, India, Uganda, Bali, Indonesia, and Papua New Guinea and expressed great excitement in conducting more research in the United States.

During this interactive session, Dr. Dantas described her different projects that used CBPR and the strengths as well as challenges that CBPR posed for each project. Breakout sessions were also conducted in which participants from the interactive workshop engaged in discussion and preliminary planning of a participatory research project.

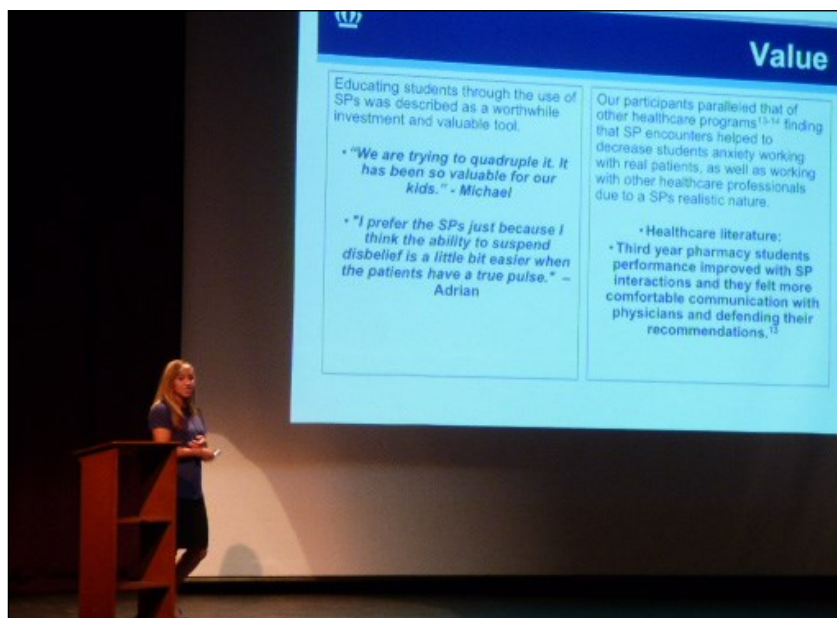
The workshop was a great opportunity for ODU faculty and students to gain more knowledge regarding the use of community-based participatory research within their field of study and develop future collaborative opportunities.



From left Drs. Muge Akpinar-Elci, Jaya Dantas and Anita Fellman.

Symposium presentation

Kelly Hoots, a student in the School of Physical Therapy and Athletic Training, presents research on faculty perceptions of standardized patient use in athletic training education on April 6 at the school’s Student Research and Evidence for Clinical Practice Symposium at the University Theatre.



STUDENT PERSPECTIVE

Let's Move continues to advance



Angelica Walker

About 17% of U.S. children and adolescents are obese, according to the Centers for Disease Control and Prevention. Childhood obesity has been associated with multiple health disparities such as cardiovascular disease, Type 2 Diabetes, and respiratory problems among other health consequences.

Thanks to the program Let's Move, many Virginia Beach children will be bringing their water bottles and knowledge of physical fitness to the playground. It's been a year since the College of Health Science Newsletter shined a light on the program – a joint effort among the Virginia Beach Department of Public Health, the Virginia Beach Parks & Recreation Department and the Old Dominion University Center for Global Health.

The program completed the year-long program with eight Virginia Beach schools. The program took place once a week for four weeks. The schools that participated in the program were Bay-side, Brookwood, Point of View, Pembroke, Salem, Tallwood, King's Grant, and Windsor Oak elementary schools.

Dr. Muge Akpinar-Elci, director of the Center for Global Health, along with Dr. Maureen Boshier, associate professor of the School of Community & Environmental Health, have been working together to monitor the program both quantitatively and qualitatively over the past year.

Nicole Mayaen, a Master of Public Health student, has collaborated with the two and has collected data from the program. The target population were children age 5-11 and their parents. There were 171 children and 116 parents that were given pre- and post-surveys to evaluate changes in knowledge, attitudes, and practices (KAPs) about healthy eating and physical activity.

According to the t-tests performed to evaluate the changes, parents showed no statistically significant changes in KAPs ($p = .096$). When separated, kindergarten students showed no statistically significant changes ($p = 0.334$) either. In contrast, first through fifth grade students revealed a statistically significant improvement in KAPs ($p < 0.05$), which contributed to an overall statistically significant improvement ($p = 0.008$) of all grades combined. The first year evaluations are currently in progress and will show the impact the program has made on the KAPs among the children.

"I feel the program has been successful and hopefully the children are retaining the information," said Dr. Akpinar-Elci. The evaluations could be completed by this summer, she added.

The vision is to take this successful program throughout the rest of Hampton Roads, throughout the state, nationally, and then globally. Since the program is a complete educational toolkit with an included assessment plan, it is appealing and can be easily implemented by other institutions. Other promotional and marketing strategies, such as creating a page on the Center for Global Health website are being designed. There are also recommendations for addressing limitations of the study in future research such as outlining baseline BMI measurements of students and parents to evaluate long-term effectiveness of the program. Let's Move is also currently seeking additional funding to expand the program.



Dr. Muge Akpinar-Elci, director of Center for Global Health

Upcoming Events



April

- | | |
|----------|--|
| April 17 | School of Dental Hygiene Awards and Pinning Ceremony, 2-4 p.m., Batten Arts and Letters, Room 1012 |
| April 25 | College Awards Luncheon, 11:30 a.m.-1:30 p.m., Ted Constant Center |
| April 28 | Spring Classes End |
| April 30 | Exams Begin |

May

- | | |
|---------|--|
| May 4 | Exams End |
| May 6-7 | Spring Commencement, Ted Constant Center |

Students tackle topics



Senior nuclear medicine technology students presented papers last month on various topics as part of the 28th Annual Nuclear Medicine Technology Colloquium of topics.