

WDCOHP

The College of Health Professions
Newsletter Nov./Dec. 2013 Volume 1, Issue 4



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Happy Holidays

FROM SANTA PREWITT

Another semester has come and gone and I could not be more proud of the faculty, staff and students within the College of Health Professions. As we move forward into the upcoming year, it is clear we are committed to furthering the academic mission of Marshall University. We have many exciting things in store for our COHP community and we will continue to keep you updated on new projects and initiatives within our college. With your consistent efforts, we can reach the very best leaders, while transforming our students' educational experience through multidisciplinary learning. We will continue to be a center for powerful intellectual ideas that have real world applications while we modernize and expand our reach on campus. *My gift to you this holiday season is the gift of laughter as the sight of me in a Santa Hat should surely bring you a smile. I want to wish everyone in our college* **"Happy Holidays!"** *May you have a relaxing break and we will see you when you return.*



Michael Prewitt

SON Professor's Texting Research

to be published in *Nursing Education Perspectives*



Dr. Kay Swartzwelder of the Marshall University College of Health Professions has had her manuscript, “Examining the Effect of Texting on Students’ Perception of Learning,” accepted for publication in *Nursing Education Perspectives*. Swartzwelder, an assistant professor in the college’s School of Nursing, said the purpose of her research was to examine the effects of utilizing text messaging as an instructional tool in an online learning environment.

“Each student learns differently and the techniques used in the past won’t be effective forever - we have to change how we are teaching our students in order to reach them,” Swartzwelder said. “With my research, I learned students felt more engaged in the course and enjoyed learning much more when using text messaging.”

Dr. Nancy Elkins, also an assistant professor in the School of Nursing, said she was influenced by Swartzwelder’s research findings and decided to use text messaging in her own classroom with Poll Everywhere, which is a free student response system. Instructors can prepare a list of questions for assessment purposes and students can text or use the Web to answer.

“This generation uses their phones every day and takes them everywhere they go,” Elkins said. “I’m very open to using new technology to reach every student and when I heard about Professor Swartzwelder’s research, it seemed like a great idea to stimulate interaction and group participation.”

Swartzwelder and Elkins are not the only two professors in the Marshall School of Nursing using texts to teach. Dr. Jeanne Widener, associate professor in the school, said she chose to utilize text messaging in her medical-surgical nursing course because she believes the standard lecture is not keeping the attention of students in the classroom.

“I’ve found that several students slept through all or part of the class, even though it was only 60 minutes of lecture beyond the announcements and discussion of assignments,” Widener said. “I strongly believe that texting in the classroom is a good option for the current students. The fact it is free has made it easy for me to use it guilt free. Informally, the students have stated they seem to feel the interaction and immediate feedback does make them think more and several distant-site students have thanked me for using this approach because they can now participate in classroom activities.”

Swartzwelder said she is thrilled to be published in *Nursing Education Perspectives* and hopes her research generates awareness about the changing educational environment.

“As educators, we always need to explore new ways to help students become excited about lifelong learning,” Swartzwelder said. “In the future, I hope to expand my research and explore specifics about the different needs and ways to engage Appalachian students in our region.”

According to its website, *Nursing Education Perspectives*, the research journal of the National League for Nursing, is a peer-reviewed, bimonthly journal. It provides a forum for the exchange of information regarding teaching and learning, curricula, technology, the recruitment and retention of students and other issues important to nursing education.

Prior to her position at Marshall, Swartzwelder worked as an assistant professor of health technology at Ohio University and an instructor in the nursing program. She also serves as an online adjunct professor for the College of Health Professions at Drexel University and the Chamberlain College of Nursing. She served as director of nursing at Collins Career Center in Chesapeake for 16 years.

To learn more about her research, email swartzw1@marshall.

Students in Dept. of Communication Disorders place 2nd in Knowledge Bowl at 2013 ASHA convention



A team of six graduate students within the Marshall University College of Health Professions received 2nd place in the Knowledge Bowl held at the American Speech-Hearing-Language Association's (ASHA) annual convention Nov. 14 – 16 in Chicago, Ill.

Emily Barney, Katie Ward, Emma Searls, Amanda Moon, Natasha Scott and Kristen O'Neill are second year graduate students within the college's Department of Communication Disorders. These students were selected to represent Region 3 in the competition, which included West Virginia, Kentucky, Georgia, Alabama and Florida. Craig Coleman, assistant professor within the department, said the Knowledge Bowl is a jeopardy-style game, which allows students to answer Praxis questions based on knowledge in various areas of the field.

"We had to apply to be selected and there are many big schools within the region," Coleman said. "The achievement in the Knowledge Bowl demonstrates the strength of our program. In addition, all of the presentations with student involvement show the commitment of our faculty and students working hard to bridge research and clinical practice."

Coleman said Marshall University was one of the most represented in terms of student involvement at this year's convention. In addition to receiving 2nd place in the competition, Coleman said the students will be featured in the National Stuttering Association's next publication.

"I received an email after the convention from our region coordinator saying how impressed she was with our students and hoped we would participate again in the future," Coleman said. "I also received an email from the National Stuttering Association stating many of our

students came by their exhibit booth and talked with them about stuttering. They were so impressed with our students and will be putting a picture and story in their national publication."

Knowledge Bowl team member, Emma Searls, 23, of DeWitt, Mich., said their team competed against nine other regions to receive 2nd place. Searls said she believes it is important to participate in events such as these in order to stay current in the field of communication disorders.

"Our field is evolving with new strategies to make us competent students and clinicians," Searls said. "Attending these conferences allows us to practice what we've learned in the classroom and implement this knowledge in the real world. It is important we stay updated in order to give our patients the best quality of care."

The 2014 ASHA Convention will be held Nov. 20–22 at the Orange County Convention Center in Orlando, Florida. To learn more about this organization, visit www.asha.org online.



Top Photo: (From left to right): Amanda Moon, Katie Ward, Emily Barney, Natasha Scott, Kristen O'Neill and Emma Searls smile after winning 2nd place in the 2013 ASHA Knowledge Bowl Nov. 14-16 in Chicago, Ill. There were a total of 37 students from Marshall University in attendance at this years 2013 ASHA convention.

Bottom Photo: Graduate students Emma McCullough, Frances Elvins and Emma Searls stand with Professor Craig Coleman during the 2013 ASHA Convention. This group served as a research team studying tele-therapy and the effects on a 19 year old who stutters.

MU Holds 43rd Annual Memorial Ceremony; 75 roses for 75 plane crash victims - November 14, 1970

“In the middle of Huntington, West Virginia, there’s a river. Next to this river there is a steel mill. And next to the steel mill there’s a school. In the middle of this school there’s a fountain. Each year on the exact same day, at the exact same hour, the water to this fountain is turned off. And in this moment, once every year, throughout the town, throughout the school, time stands still.”

- “We Are...Marshall”



Photo 1 (Top Left): #MUCOHP Dean Michael W. Prewitt looks forward as the memorial wreath is placed on the fountain.

Photo 2 (Bottom Left): President Stephen Kopp addresses hundreds of students, staff and members of the Marshall community during the 43rd annual Memorial Ceremony.

Photo 3 (Top Right): A view of the Memorial Fountain as members of our military placed 75 roses for the 75 victims during the #MU43Ceremony held November 14, 2013.

Marshall COHP Faculty Published Works: 2012 - 2013

Clinical Lab Science Department

- Reviewed Article
 - **Amjad, M.**, V. Moudgal, M. Faisal. 2013. Laboratory Diagnosis and Management of Hepatitis C Virus Infection. Accepted LabMedicine.
- Peer-Reviewed Research Publication
 - Rafee, Y., N. Abdel-Haq, B. Asmar, T. Salimnia, C. Vidailac, M. J. Rybak, **M. Amjad**. 2012. Increased Prevalence of Methicillin-Resistant Staphylococcus aureus Nasal Colonization in Household Contacts of Children with Community Acquired Disease. BMC Infectious Diseases. 2012, 12:45.
- Seminars, Scientific Presentations:
 - **Amjad, M.** Identification of Dermatophytic Fungi. West Virginia Society for Clinical Laboratory Science. October 18, 2013. Charleston, WV.
 - Abdel-Haq, N., **M. Amjad**, E. McGrath, H. Salimnia, B. Asmar. Breakthrough Rotavirus (RV) infections in vaccinated children during 2011 season in Detroit. Infectious Diseases Society of America (IDSA). October 2-6, 2013. San Francisco, CA.
 - **Amjad, M.** Clinical application of IL28 gene polymorphism in the treatment outcome and clearance of Hepatitis C Virus infection. West Virginia Society for Clinical Laboratory Science. October 5, 2012. Charleston, WV.

Communication Disorders

- Yaruss, J. S., **Coleman, C.**, & Quesal, R. (October 2012). Stuttering in School-Age Children: A Comprehensive Approach to Treatment. Language, Speech, Hearing Services in Schools, vol. 43, pp. 536-548.
- **Coleman, C.** (2013) SIGnatures: Widening the Treatment Circle. The ASHA Leader, Vol. 1, February 2013.

Dietetics

- **Hovland, Jana**, Virginia G. Carraway-Stage, Ardenida Cela, Caitlin Collins, Sebastian R. Diaz, Angelo Collins, and Melani W. Duffrin Food-Based Science Curriculum Increases 4th Graders Multidisciplinary Science Knowledge. Journal of Food Science Education, Vol. 12, Issue 4. 30 Sept. 2013. Wiley Online Library.

Health Informatics

- The Multi-dimensional Developmental Evaluation Model: A Conceptual Schema For Evaluating Developmental Programs Proposed For Developing Countries; by **Girmay Berhie** and Alem Hailu. Linus Publications. ISBN: 978-1-60797-300-3

School of Kinesiology

- **Bae, W.** (2012). Using self-determination theory to understand golf consumption behaviors: An examination of Korean college student golfers in the United States. International Journal of Human Movement Science, 6(1), 79-97.
- **Bae, W.** (2012). Investigation of Korean female golfers' success factors on the LPGA Tour from 1998 to 2007. The Sport Journal, 15.
- **McIlvain, G.**, Lavender C., Boukhemis, K., Grasu, B., Jasko, J., & Giangarra C. (2013) Bilateral Oostochondritis Dissecans of the Lateral Trochlea in the Knee of a 16 Year Old Female. International Journal of Athletic Therapy and Training. 19(4) 23-27.
- **McIlvain, G.**, **Evans, N.**, **Konz, S.**, Tolbert, T., Jasko, J., & Giangarra, C. (2013). Triangular Fibrocartilage Complex: Looking Beyond a Wrist Sprain. International Journal of Athletic Therapy and Training. 18(3) 37-42.
- Gorgey AS, **Timmons MK**, Michener LA, Erickson JJ, Gater DR. PM R. Intra-rater Reliability of Ultrasound Imaging of Wrist Extensor Muscles in Patients With Tetraplegia. 2013 Sep 13. doi:pii: S1934-1482(13)01070-8. 10.1016/j.pmrj.2013.08.607. [Epub ahead of print]

Marshall COHP Faculty Published Works: 2012 - 2013 (Continued)

School of Kinesiology (Continued):

- Michener LA, Subasi Yesilyaprak SS, Seitz AL, **Timmons MK**, Walsworth MK. Supraspinatus tendon and subacromial space parameters measured on ultrasonographic imaging in subacromial impingement syndrome. *Knee Surg Sports Traumatol Arthrosc.* 2013 Jun 5. [Epub ahead of print]
- **Timmons MK**, Lopes-Albers AD, Borgsmiller L, Zirker C, Ericksen J, Michener LA. Differences in scapular orientation, subacromial space and shoulder pain between the full can and empty can tests. *Clin Biomech (Bristol, Avon).* 2013 Apr. 28(4):395-401. doi: 10.1016/j.clinbiomech.2013.01.015. Epub 2013 Mar 6.
- **Timmons MK**, Thigpen CA, Seitz AL, Karduna AR, Arnold BL, Michener LA. Scapular kinematics and subacromial-impingement syndrome: a meta-analysis. *J Sport Rehabil.* 2012 Nov. 21(4):354-70. Epub 2012 Mar 2.

School of Physical Therapy

- **Rine RM** and Weiner-Vacher S. Evaluation and treatment of vestibular dysfunction in children. *Neurorehabilitation.* 2013. 32:507-518.
- Courtney C, **Rine RM**, Jenk D, Mitol JA, Collier PD, Maceda M Waters A. Enhanced Proprioceptive Acuity at the Knee in the Competitive Athlete. *J. Orthopedic and Sport Physical Therapy.* 2013. 43(6):422-426.
- Reuben DB, Magasi S, McCreath HE, Bohannon RW, Wang YC, Bubela DJ, Rymer WZ, Beaumont

J., **Rine RM**, Lai J, Gershon RC. Motor assessment using the NIH Toolbox. *Neurology.* 2013. 80:S65-75.

- **Rine, RM**, Schubert MC, Whitney SL, Roberts D, Redfern MS, Musolino MC, Roche JL, Steed DP, Corbin B, Lin C, Marchetti GF, Jennifer Beaumont, Carey J, Shepard NP, Jacobson GP, Wisley DM, Hoffman HJ, G Furman, Slotkin J. Vestibular testing using the NIH Toolbox. *Neurology.* 2013. 80:S25-31.
- **Rine, RM.** May 2013, Keynote Speaker at the annual conference of the Neurodevelopmental Treatment Association in Houston, Texas (May 17-19th)
- **Rine, RM.** May 2013, Invited speaker, Canadian Physiotherapy Association National Congress, May 23-26, 2013. Two day seminar training: "Pediatric Vestibular Rehabilitation: Evidence Based Practice"

Public Health

- **Pewen, William F.**, Goldstein, Melissa, M. "Law and the Public's Health: The HIPAA OMNIBUS Rule - Implications for Health Policy and Practice." *Public Health Reports.* November/December 2013. Volume 128.
- **Sawhney, Monika.** "Predictors of premarital sexual activity among unmarried youth in Vientiane, Lao PDR: The role of parent-youth interactions and peer influence." Taylor & Francis Online. <http://www.tandfonline.com/doi/full/10.1080/17441692.2013.830755>

To submit your published works for the next edition of the COHP Faculty Newsletter, please send all submissions to Megan Archer at archer15@marshall.edu.

Marshall Public Health Professor Hosts study abroad trip to Tanzania in summer 2014



Marshall students will have the chance to travel to Africa this summer while receiving college credit. Dr. Monika Sawhney, public health program director within the Marshall College of Health Professions, said she will take a group of students to Tanzania this summer for a unique study abroad opportunity.

“This is the only study abroad program related to public healthcare and nursing,” Sawhney said. “We will offer students an opportunity to explore aspects of our global world that they may never have a chance to do so otherwise.”

Sawhney said students can receive undergraduate and graduate credit for coursework in public and global health, nursing and Swahili.

“The sky is the limit here at Marshall to have a well-guided study abroad trip with faculty from different disciplines who are able to provide an enriched experience,” Sawhney said. “Internships

and service-learning opportunities are also available through this program.”

Kayla Boggs (*pictured left*), a 21-year-old senior cell and molecular biology major from Big Bend, W.Va., traveled to Tanzania last summer and said she expects her experiences from the public health course to benefit her future career in healthcare.

“A study abroad experience is worthwhile no matter where one chooses to study,” Boggs said. “For me, it was all about gaining a greater understanding of the hardships Tanzanians face every day, finding a greater respect for myself in overcoming the stereotypes many have about countries such as Africa and making a difference in the lives of the people I met.”

The Tanzania study abroad trip will take place June 12 – July 16, 2014. Cost of the trip is \$3,975 plus airfare and the \$250 application fee. Individuals interested in signing up before Jan. 20 can save \$100. The final application deadline for the trip is Feb. 15. Please direct interested students to contact Dr. Monika Sawhney at 304-696-2602 or via e-mail at sawhney@marshall.edu.



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COHP introduces benefits of exercise testing to Marshall cardiology fellows to help improve regional healthcare



Caleb Hill, 23, of Boone County, W.Va. is a graduate assistant in the department of exercise science. Hill served as the “guinea pig” for the clinical demonstration in which 12 fellows from Marshall Cardiology learned how CPETs can help save the lives of patients with various metabolic, cardiovascular and pulmonary problems.

Dr. Terry Shepherd of the Marshall University College of Health Professions held a clinical demonstration which showed the capabilities of cardio pulmonary exercise tests (CPETs) for 12 fellows from Marshall Cardiology Dec. 6 in the Cam Henderson Center.

Shepherd, a faculty member since 1987 and an exercise physiologist within the college, said the equipment used in the demonstration can determine whether someone has an exercise intolerance and if this intolerance is caused by the pulmonary system or the cardiovascular system.

“Many times doctors can’t figure out why patients say they are unable to do certain physical things they were capable of doing last year and nothing is showing up on basic medical tests,” Shepherd said. “The idea is to test them while they are actually exercising. I specialize in using exercise as a modality to discern what illness may be occurring in a patient.”

Valued at over \$35K, the Cardio Pulmonary Exercise System: TrueOne2400 Metabolic Measurement System is the equipment which measures an individual’s VO₂ levels, or oxygen consumption, while exercising.

“Oxygen consumption is dependent upon three things: how well your lungs are working, how well your heart is working and how well your muscle tissue is working,” Shepherd said. “If any of those systems aren’t working properly, then your VO₂ will be low. If your lungs, heart and muscles are very fit, then your VO₂ levels will be high and it would appear all your systems are working the very best they can. This testing shows VO₂ as the best measurement of fitness.”

Dr. Ellen Thompson, program director for Marshall Cardiology, said this equipment provides solutions to various cardiovascular issues and would be an invaluable asset to any cardiology team.

“I wanted our fellows to understand what this sort of testing provides as it’s not something they are exposed to very often,” Thompson said. “I don’t think they knew what kind of information you can get from the CPETs and now that they do, they all want to come back and have the test conducted on themselves.”

In addition to 11 other fellows, Dr. Faisal Hayat attended the demonstration in hopes of learning how exercise testing could help him practice medicine with more accuracy. Hayat, originally from Pakistan, came to West Virginia in 2005 and joined Marshall Cardiology in 2011.

“I think the patient population we are seeing has multiple diseases – heart conditions, diabetes, obesity, etc.,” Hayat said. “When a patient tells me something is wrong, we can perform similar tests like this in order to better determine what is causing these illnesses and work toward helping them.”

To learn more about this equipment and its capabilities, please contact Dr. Shepherd at shephert@marshall.edu. To learn more about Marshall Cardiology, please contact Dr. Thompson at ethompson@marshall.edu.

PHOTO GALLERY: 2013 in Review



January/February 2013

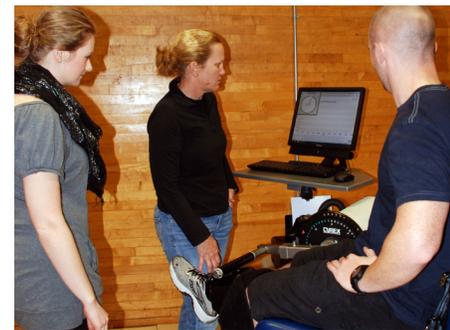
- First IPE sessions held at St. Mary's Center for Education with a collaborative effort by COHP and Schools of Medicine and Pharmacy to better educate the health professionals of tomorrow.

March/April 2013

- Every spring the Department of Communication Disorders hosts annual Global Youth Service Day at St. John's House Learning and Development Center.

May 2013

- COHP's School of Physical Therapy held first White Coat Ceremony on May 3, 2013.



June 2013

- Athletic Training professor, Dr. Abbey Dondanville, presented her research on sport horses in Barcelona at the European College of Sport Sciences conference June 25-29.

July 2013

- School of Kinesiology hosts 3rd annual Lose the Training Wheels Camp July 15-19 at Huntington High School. This camp teaches children with disabilities to independently ride a bike.

August 2013

- Dr. Suzanne Konz traveled to Natal, Brazil to present biomechanics research at the 2013 International Society of Biomechanics (ISB) conference on Aug. 4 - 9.



September 2013

- Master of Public Health Program Director Dr. Bill Pewen received approval from Marshall Board of Governors. MPH program will launch August 2014.

October 2013

- COHP staffers Megan Archer, Julia Lo, Dean Prewitt, Jessi Lowman, Tina Powell, Kelli Price and Carolyn Massie attended this year's Native American Cultural Luncheon in the Memorial Student Center.

November 2013

- COHP Faculty members Ashlee Gallion, Jana Hovland and Kelli Williams participated in Huntington's annual Half Marathon on Nov. 10.

NEW FACES in the COHP

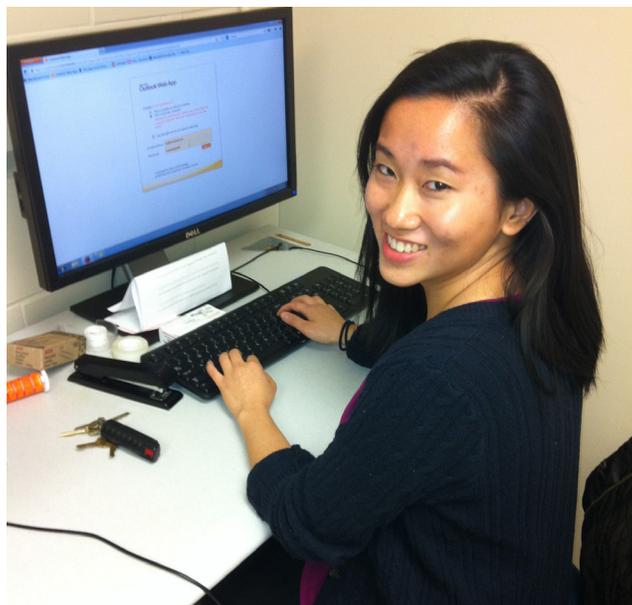


Kelli Price brings years of experience to her position as academic advisor in the College of Health Professions. Joining the staff of Marshall University in 2004 as program assistant in the College of Business, she uses her strengths of record maintenance, program management and curriculum evaluations for student graduation and advising. In 2008, Kelli accepted a position of grade change specialist in the Office of the Registrar where her skills provided accurate and efficient application of university policy regarding grade changes as well as registration guidelines. In addition, she was an integral component of insuring spring and winter Commencements were a successful and orderly experience for Marshall University graduates. A Marshall University alumna, Kelli earned her RBA with a minor in psychology and an associate's in applied science in health information technology. Kelli enjoys mentoring and advising students and is very excited about her position as advisor. She looks forward to advising and providing a nurturing space for the students. You can visit Kelli in Prichard Hall 221.

Staff Spotlight

Julia Lo is the research/program assistant for Dr. William Pewen, director of the Master of Public Health program for the Marshall College of Health Professions. Since August 2013, Julia has assisted in academic research while providing administrative support in the areas of course material preparations, research projects and laboratory facility support. Prior to her position at Marshall, Julia worked for an HIV/MLV retrovirology lab from 2012-13 at University of Michigan in Ann Arbor.

Julia received her B.S. in Cellular Molecular Biology from University of Michigan in May 2013, and attended Shoreline Community College in Seattle from 2010-11. In 2012, she traveled to Guatemala for her involvement in the Medical Outreach Club where she was responsible for maintaining a temporary clinic which treated and educated patients on basic public health initiatives. Julia was also the volunteer coordinator for the American Chemical Society for the University of Michigan chapter. Her research interests include the control of infectious diseases and chronic disease prevention. New to the Marshall community, Julia said she looks forward to gaining invaluable experiences in health policy and taking advantage of the close-knit research collaborations the university has to offer.



To submit suggestions or ideas for next month's COHP Faculty newsletter, please email archer15@marshall.edu.