

ZCOHP

The College of Health Professions
Faculty Newsletter Fall 2016 Vol. 3, Issue 12



In This Issue...

3

Welcome Back From the Dean; Mak receives research award

6

CWA names new directors; Timmons and McNealy among them

4

School of Respiratory Care earns Registered RT Success Award

7

Lose the Training Wheels wraps up for sixth consecutive year

5

Exercise science faculty member plays instrumental role in new rosacea research

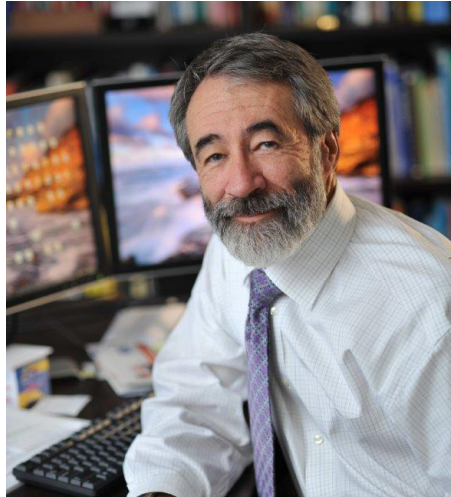
8

Faculty Spotlight, New COHP Faculty

Welcome Back

FROM DEAN PREWITT

Another summer has come and gone and as we enter Fall 2016, it is evident the College of Health Professions is still the largest, fastest growing college on campus. We have many new programs and projects in the works for this year and I look forward to sharing them with you. One upcoming event I want to draw special attention to is our college's signature event for the Presidential Investiture in September. We will host a community Health and Wellness Fair on Wednesday,



September 21st in the MSC plaza. I encourage each department in our college to contact Megan at archer15@marshall.edu to reserve your table today! We want to be well-represented and provide as many free health screenings as we can. If you have any ideas to maintain and advance our initiatives, my door is always open.

Welcome back and best wishes to all for a great semester!

Michael Prewitt

Mak receives C. Robert Barnett Excellence in Research Faculty Award



Dr. Jennifer Mak of the School of Kinesiology's Department of Sport Management has received the 2016 C. Robert Barnett Excellence in Research Faculty Award.

Mak was presented this award in August during the COHP faculty meeting. Dr. Robert "Bob" Barnett is a retired faculty member from the Division of Exercise Science Sports and Recreation, formerly known as Health Physical Education and Recreation in the College of Education. He is a well-known and published researcher and sports historian. Bob generously gives to Marshall University through a scholarship in his name, planned-giving and now this research award.

Since August 2000, Dr. Mak has served as director of our college's sport management program. As a prolific researcher, Dr. Mak has over 50 refereed publications in highly respected and recognized journals and book chapters. She has delivered close to 100 scholarly keynote presentations around the world. In 2013, Dr. Mak was named the No. 1 leading contributor to Research Consortium in the discipline of Leisure and Recreation between 1992 – 2011, according to the Measurement in Physical Education and Exercise Science Journal. Congrats Dr. Mak!

School of Respiratory Care earns Registered Respiratory Therapist Success Award



St. Mary's School of Respiratory Care and Marshall University's cooperative respiratory care program recently received the Registered Respiratory Therapist Credentialing Success Award from the Committee of Accreditation for Respiratory Care.

Christopher Trotter and Keith Terry, St. Mary's respiratory care faculty members, accepted the award during the American Association for Respiratory Care Summer Forum in Jacksonville, Florida., earlier this summer.

Of the 78 programs that received the award this year, St. Mary's respiratory program is the only one honored in West Virginia, according to the hospital.

"St. Mary's and Marshall University's dedication to high-quality education and our outstanding respiratory care faculty and students made this

award possible," said Chuck Zuhars, program director. "Additionally, the real winners are the patients who will benefit from our graduates' excellent care."

"Our primary goal is to educate students so they can serve as outstanding clinicians when they graduate," said Keith Terry, director of clinical education. "That's what our program is all about."

To learn more about the St. Mary's/Marshall University respiratory care program, contact Keith Terry at kterry@st-marys.org or 304-399-7145.

Exercise science faculty member plays instrumental role in new rosacea research



Dr. Kumika Toma of the College of Health Professions has made significant contributions in determining the causes of rosacea, according to a research study published in the *Journal of Neurophysiology*.

“Rosacea is a non-fatal chronic inflammatory skin disease affecting more than 14 million Americans’ quality of life. A common characteristic includes redness in the middle of face due to increased blood flow, but the exact mechanism is not known and many treatments rely on the results of ‘trial-and-error,’ ” Toma said.

Toma, an associate professor of exercise science in the college’s School of Kinesiology, said she was responsible for recording nerve activities through needle electrodes inserted in the area of the eyebrow. She said her microneurography technique allowed the research team to determine that the sympathetic nervous system may be involved in the development and triggering of rosacea symptoms.

This is the second published study in the world and the first in North America in which a researcher has used inserted electrodes into the area of the eyebrow to record a specific nerve signal, according to Toma.

“This is the first published study in the world with this technique to the patient population. Also, the microneurography technique used is very new to clinical research,” Toma said. “This type of study is a bridge between science research and clinical practice.”

Dr. Thad Wilson, professor of physiology at Marian University College of Osteopathic Medicine in Indianapolis, introduced Toma to research of sympathetic nerve activity during her second and third years of her postdoctoral fellowship at the Ohio Musculoskeletal and Neurological Institution. Wilson said he served as principal investigator on the grant from the National Rosacea Society, but it was Toma who was responsible for the novel nerve recordings.

“She was the person who placed the recording electrodes into the nerve between the brain and the facial skin to tap into ‘nerve phone line’ to record its messages – pretty impressive on her part,” Wilson said. “I introduced her to the microneurography technique, but she was able to further develop it and then for the first time apply to the clinical population.”

Wilson said the results of this study could be used for more focused treatment plans for rosacea and other flushing-related disorders.

“In addition to the microneurography component of the study Toma performed, the research team also tested local reflexes within the skin that cause vasodilation, which is an increase in skin blood flow,” Wilson said. “The technique advances in this study could be importantly applied to study other flushing-related disorders such as menopause.”

The study, “Augmented supraorbital skin sympathetic nerve activity responses to symptom trigger events in rosacea patients” was published in July 2015 by the *Journal of Neurophysiology*.

CWA names new directors; Timmons and McNealy among them



Dr. Mark Timmons, Athletic Training

Dr. Karen McNealy, Comm Disorders

Four Marshall University faculty members have been named directors of the university's Center for Wellness in the Arts.

To help manage the momentum behind the center for performing and visual artists, co-founders Nicole Perrone, associate professor of theatre, and Dr. Henning Vauth, associate professor of music, were appointed directors along with **Dr. Karen McNealy, chair and program director of the Department of Communications Disorders, and Dr. Mark Timmons, assistant professor of athletic training.**

Last year, more than 300 performing and visual arts students took part in the education, research and clinical services provided by the center, according to the directors. Music and theatre students attended performance anxiety workshops; theatre students received exercise training to sword fight and simultaneously deliver Shakespearean lines; voice students were screened for vocal nodules and muscle tension dysphonia; music students were offered hearing assessments and provided with ear plugs, courtesy of otolaryngologist Dr. Joseph Touma, to help reduce the sound level and the risk of hearing damage for musicians.

The success of the collaboration between the College of Arts and Media and the College of Health Professions has been welcome, but a bit surprising, said Don Van Horn, dean of the College of Arts and Media and Dr. Michael Prewitt, dean of the College

of Health Professions. "No one really understood this would develop like it has, but students and faculty have been so willing to participate," said Prewitt. "As the center continues to grow, we realize this isn't just a small activity by two colleges. This is a real asset for Marshall, so we've made this step to promote the center on a larger scale. The CWA needs to be more visible as a true center for excellence."

Perrone and Vauth, co-founders of the center, said the breadth of services now offered by the center surpass their wildest dreams.

"The continuous growth of the CWA into a comprehensive center that takes care of all aspects of artistic well-being, along with its emphasis on collaboration, is something very special and unique," Vauth said.

McNealy said her Communications Disorders students gain additional perspective from their work with the center.

"Oftentimes we are at the point where we work with disorders after they happen," McNealy said. "The awareness that there are prevention strategies for the body and that people have control over issues they might develop, whether it's hearing, voice, physical movement or psychology, is powerful for my students."

The National Athletic Trainers' Association has identified performing arts medicine as an area of growth for the athletic training profession, according to Timmons.

"The CWA provides an opportunity for entry-level athletic training students to gain exposure to the performing arts and for graduate students to gain significant experience working with the performing artist," Timmons said. "These opportunities are points of distinction for Marshall's Athletic Training program, and it's something very few schools can offer their students."

To learn more about Marshall's Center for Wellness in the Arts, visit <http://www.marshall.edu/cwa>.

Lose the Training Wheels summer camp wraps up for sixth consecutive year



For the sixth consecutive year, our college has hosted the Lose the Training Wheels Camp for children with special needs. This year the program partnered with the Phul Cline Family YMCA to host the event. The program, offered in cooperation with the nonprofit charity iCanShine, teaches participants with disabilities how to ride a two-wheel bicycle independently. Funding for the camp was a concern earlier this year and will continue to be a concern, according to camp director, Dr. Liz Casey.

"We definitely need more support," Casey said. "It is an amazing camp for families in our community. We already have inquiries about next year's camp, but we need much more involvement from additional students and faculty to continue running the camp in future years." Casey said it's not just money that is needed, but rather an increase in volunteers, support staff and recruitment efforts. "We were hoping to have the maximum 20 riders this year. The more riders enrolled, the more people we can help develop the confidence and independence that

comes with riding a bike."

iCanShine is a national organization that works with local organizations to host camps in individual communities. Staff members travel the country conducting the camps, and have an average success rate of more than 80 percent. Participants attend one 75-minute session each day for five consecutive days. To be eligible to register for the camp, participants must be at least 8 years old and have a diagnosed disability. They must have a minimum inseam of 20 inches, weigh less than 220 pounds and be able to walk without assistive devices. Teens and adults may participate as well. The registration fee is \$100, but scholarships are available. For more information on registration or volunteering, visit www.marshall.edu/lttw. To learn more about the camp or to find out how you can help out next summer, contact Casey, at 304-696-5831 or email caseyel@marshall.edu. Individuals interested in helping to defray the costs of the camp through financial donations may contact Rick Robinson, Director of Development with the Marshall University College of Health Professions, at 304-696-7081.

Check out the 2016 photo gallery from The Herald-Dispatch: <http://tinyurl.com/LTTW2016>

COHP New Faculty Spotlight:



D. Scott Davis PT, MS, EdD, OCS
Chair/Program Director
Marshall University
School of Physical Therapy

Dr. Scott Davis received his Bachelor of Science degree in Physical Therapy in 1988, his Masters of Science degree in Statistic in 2002, and his Doctor of Education degree in Educational Psychology/Higher Education Leadership in 2006 from West Virginia University. He received his initial orthopaedic physical therapy clinical certification (OCS) from the American Board of Physical Therapy Specialties (ABPTS) in 1995 and has since recertified in 2005, and most recently in 2015 by electing to retake the OCS examination. Dr. Davis has been actively involved in orthopaedic clinical practice for 28 years. He holds the title of Professor/Chairperson/Program Director in the Marshall University School of Physical Therapy in Huntington, West Virginia. His area of teaching emphasis is in orthopedics, statistics, research methods, and therapeutic exercise. Dr. Davis is a passionate educator, scholar, clinician, and administrator. His research agenda is focused on examining questions related to the evaluation and treatment of non-acute low back pain using sensorimotor assessments and training approaches to improve movement and motor control. Dr. Davis is actively involved in the American Physical Therapy Association at multiple levels. He has previously served as the Chair of the Orthopaedic Sections' Research Committee and currently serves as a Director on the Orthopaedic Section Board. He is also the Vice-President of the West Virginia Chapter of the APTA and has previously served as the Chief Delegate to the APTA House of Delegates from West Virginia.

Other New Faculty Include:

- Dr. Paul Kadetz, Chair/Program Director for MPH program, Public Health
- Ruchi Bhandari, Assistant Professor, Public Health
- Dr. Ashley N. Mason, Assistant Professor, School of Physical Therapy
- Bethany Dyer, Associate Professor, School of Nursing
- Amber Nowlin, Assistant Professor, School of Nursing
- Tiffany Newman, Assistant Professor, School of Nursing
- Sandra Kemper, Assistant Professor, Department of Communication Disorders
- Dr. Mary Weidner, Assistant Professor, Department of Communication Disorders
- Tim Bender, Assistant Professor, Dietetics