

PEN

MARSHALL UNIVERSITY JOAN C. EDWARDS SCHOOL OF MEDICINE

Professional Enhancement Newsletter

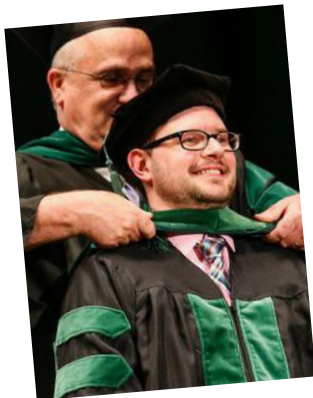
KEEPING YOU CONNECTED

Dr. Schrier speaks: 2015 investiture ceremony



On Friday, May 8, 2015, **Gary G. White**, Marshall University interim president, conferred 64 students with Doctor of Medicine diplomas from JCESOM. The special guest speaker was Robert W. Schrier, M.D., former longtime chairman of the school's department of medicine and professor emeritus of medicine at the University of Colorado. Dr. Schrier is known the world over by researchers and scientists for his research into acute kidney failure and other facets of kidney disease. Dr. Schrier has received several honorary doctorates from universities around the world and was awarded an honorary Doctor of Science degree at the investiture ceremony on Friday.

During his speech on Friday, Dr. Schrier asked students to serve their best to their patients, to remain curious about learning, and to always remember one three letter word: "why." He stressed that the harder you work, the luckier you get.



Pursuing Excellence

Each one of us has a role in pursuing JCESOM excellence. Our research footprint—so relevant to our school and our profession—is continuing to build, thanks to your hard work. Our junior investigators are an integral part of that success. Likewise, we are grateful for the faculty and departmental leadership in our school; through the nurturing and mentoring of our junior investigators, you are cultivating the next generation of academic leaders.

Through your diligence and determination, a number of our research programs are gaining momentum—just take a look inside this PEN to see the success of many of our researchers. Our second annual Gold Humanism Educational Summit continues JCESOM's pragmatic discussion on how to balance science and technology with compassion and patient care. We are having the important discussion about everything from the cost of Hepatitis C medication in West Virginia to Ebola and global health challenges. And lastly, we are celebrating your excellence; this PEN documents your accomplishments and hard work.

– **Darshana Shah, Ph.D.**, associate dean,
office of faculty affairs and professional development

“Excellence is the gradual result of always striving to do better.”

–Pat Riley,
Former NBA Coach and Player

In this Issue

- P. 1 2015 Investiture Ceremony
- P. 2 From the Dean's Desk
- P. 3 Honoring Achievements
- P. 4 Q & A with Dr. Nalini Santanam
- P. 5 Annual Faculty and Staff Awards
- P. 6 Dean's Awards for Excellence
- P. 7 Spotlight on Dr. Maria Serrat
- P. 7 Marshall Diabetes Education Program earns ADA recognition
- P. 8 AAA Conference in Boston
- P. 8 *International Innovation* features Marshall research
- P. 9 Marshall co-sponsors global health conference
- P. 9 Trans-atlantic training opportunities
- P. 10 Accelerated B.S./M.D. program
- P. 10 Hepatitis C Drugs in WV
- P. 11 Resident of the Month awardees
- P. 11 Humanism Summit
- P. 12 Alpha Omega Alpha
- P. 12 Welcome! New Faculty, Staff and Students
- P. 13 JCESOM Journal Launch
- P. 13 Pillow Pets for Hospice
- P. 14 Awards, Honors, & Scholarly Activity
- P. 23 Coming Up

From the Dean's Desk



Dear colleagues,

Graduation brings a celebration of new doctors and the commencement of their new opportunities. The associated activities are always inspiring and exciting for me. However, I would be remiss if I didn't point out the tragedies which have occurred this year as they have shaken us to our core. We experienced the sudden loss of one of our students, Saeed Keshavarzian, and the loss of one so young and promising is a terrible blow. We are still reeling from the unexpected loss of our president, Dr. Stephen Kopp, and other deaths and illnesses affecting our

faculty, students and staff. It seems like we have been hit particularly hard this past year.

In spite of these challenges, there is much we should celebrate. The JCESOM is on a firm financial footing, and we continue to expand our footprint in the community we serve. A number of our clinical programs have been cited for their excellence. We have recently purchased the Douglass building and taken over the administration of the Ebenezer clinic. Our educational programs at both undergraduate and graduate levels are in very good shape thanks to the hard work of many. We have recently accepted our inaugural BS/MD students, and the medical school class of 2019 looks to be exceptional. We will rapidly expand our partnership with St. Georges - University of London this coming year and we continue to improve our undergraduate educational services on many fronts. We can proudly announce a new fellowship program in nephrology as well as several other residency applications. We look forward to the merger of Cabell Huntington Hospital and St. Mary's Medical Center, which will present a number of new educational, clinical, and research opportunities. I am confident we will continue to strive for excellence for the betterment of medical education, research, and patient care.

This is an exciting time to be at JCESOM. I want to extend a warm welcome to new students, new faculty, and new staff.

A handwritten signature in black ink, appearing to read "Joseph I. Shapiro".

Joseph I. Shapiro, M.D.
Dean, JCESOM



Please visit the web site for the Office of Faculty Affairs & Professional Development to view a range of educational opportunities and professional development to suit your needs!



Honoring Achievements



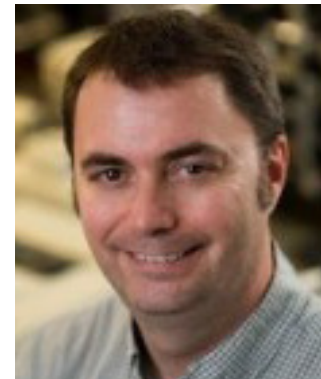
Norman C. Cottrill, D.O., has been named West Virginia's Pediatrician of the Year by the West Virginia Chapter of the American Academy of Pediatrics. Dr. Cottrill, an assistant professor of pediatrics, has been with Marshall Pediatrics for seventeen years. He is a 1987 graduate of the West Virginia School of Osteopathic Medicine and completed a residency at West Virginia University.



Sean Piwarski, a third-year student in JCESOM's biomedical sciences Ph.D. program, has been awarded the Chancellor's Scholarship. The Chancellor's Scholar Program is intended to recruit, educate and graduate underrepresented minority students in doctoral programs. The award provides a substantial tuition benefit and stipend, as well as professional research and career development opportunities and a strong support network. Sean Piwarski is working in toxicology and environmental health sciences with **Travis Salisbury, Ph.D.**, researching how certain chemical mechanisms in specific toxins may work to stop cancer metastasis.



Uma Sundaram, M.D., vice dean for research and graduate education, has been selected to serve on the West Virginia Higher Education Policy Commission's Science and Research Council. In his new position, Dr. Sundaram will be collaborating and working to provide expertise and policy guidance in science and research to state policymakers and to encourage research collaboration among institutions, as well as to promote education in science, technology, engineering, and mathematics.



Richard Egleton, Ph.D., (above) and **Todd L. Green, Ph.D.**, (below) have been appointed co-directors of the biomedical sciences graduate program, an interdisciplinary program leading to a M.S. and/or Ph.D. in biomedical sciences. Dr. Egleton and Dr. Green are both associate professors in the department of pharmacology, physiology and toxicology.



Congratulations!

Four JCESOM medical students, **Justin M. Pacor**, **Lauren M. Burgunder**, **Anna C. Clarke**, and **Brad A. Leath**, have been selected to serve on the Organization of Student Representatives (OSR). Members of the OSR are chosen by their peers and serve under the national Association of American Medical Colleges (AAMC).

Perspective on Mentorship

Q & A with Dr. Nalini Santanam



On May 12th, in front of friends and faculty, Nalini Santanam, Ph.D., stepped forward to receive the JCESOM 2015 Excellence in Mentoring Award. Dr. Santanam, a professor of pharmacology in the department of pharmacology, physiology, and toxicology, has distinguished herself as a capable and motivating mentor in a competitive and ever-changing

field. “Dr. Santanam recognizes that mentorship is an essential component of success for a career in medical and biomedical sciences,” says **Elsa I. Mangiarua, Ph.D.**, professor and head of physiology. “She has been mentoring students at all levels of education for over 20 years.” This mentorship has had a lasting impact on the careers of numerous students and faculty at JCESOM, and Dr. Santanam shares with PEN a few words of wisdom on her success and philosophy toward mentoring.

PEN: *In your opinion, what are the key characteristics of a successful mentor?*

Dr. Santanam: A good mentor is someone who is knowledgeable, willing to share the knowledge, approachable, open-minded; he/she is a good listener and has a lot of patience.

PEN: *What do you do to constantly challenge your mentees?*

Dr. Santanam: I encourage my mentees to have this constant quest for knowledge. I make them aware of both their strengths and drawbacks. I help them utilize their strengths and work on improving their drawbacks.

PEN: *How do you encourage innovative ideas?*

Dr. Santanam: Creativity and imagination are key for becoming a successful researcher. I challenge my mentees to constantly think outside the box, to imagine new methods, paradigms, etc to incorporate in their research. It is always rewarding when some of these new ideas come to fruition. That is the power and excitement of doing research.

PEN: *As a mentor, what is the best advice to give someone who is planning his/her career path?*

Dr. Santanam: “Follow your passion,” that is my advice. You will have to be passionate about what you do to be successful in whatever career path you choose.

PEN: *Do you have a mentor who has influenced you?*

Dr. Santanam: Over the various stages of my career, I have had the privilege of being mentored by several mentors who are pioneers in their field of work. Apart from direct interactions with them, I have also learnt a lot just by observing these “brilliant minds” doing their best work. Being a “mentor” is a very big responsibility, and one must constantly evolve to be a good one to the best of his/her abilities.



Pursuing Excellence

Annual Faculty and Staff Awards

Leonard B. Tow
Humanism in Medicine
 Charles Clements, M.D.



Amy Smith, M.Ed., (right) GHHS chapter faculty co-advisor and assistant dean for student affairs, and Dr. Clements smile after Dr. Clements receives his Leonard B. Tow Humanism in Medicine Award.

Heart of Gold Awards

Hoyt Burdick, M.D.



JCESOM recognized Dr. Hoyt Burdick, vice president of medical affairs, Cabell Huntington Hospital, and Teresa Sexton for going above and beyond their call of duty. Each enthusiastically supported Gold Humanism Honor Society (GHHS) chapter activities and

worked to bring awareness to the community on the importance of humanism in medicine.

Teresa Sexton, RN, MSN-Ed



Darshana Shah, Ph.D., (right) GHHS chapter faculty advisor and associate dean, office of faculty affairs and professional development, presents Teresa Sexton with her Heart of Gold Award.

Excellence in Leadership

Eduardo Pino, M.D.



Dr. Eduardo Pino is honored for demonstrating Excellence in Leadership.

Excellence in Professionalism

Charles Giangarra, M.D.



Dr. Charles Giangarra (left) shakes hands with **Shelvy Campbell, Ph.D.**, assistant dean for diversity, as he receives his Excellence in Professionalism Award.

Rural Preceptor of the Year – Family Medicine



Jodi Cisco, M.D.

Dr. Jodi Cisco (right) smiles as she receives her award for Rural Preceptor of the Year from **Jennifer Plymale, M.A.**, associate dean of admissions and director, Robert C. Byrd Center for Rural Health.

Excellence in Commitment

W. Mitchel Shaver, M.D.



Dr. W. Mitchel Shaver (left) poses with **Linda Holmes, M.A.**, director of development and alumni affairs, as he receives his award for Excellence in Commitment.

Excellence in Collaboration

James Becker, M.D.



Franklin Shuler M.D., Ph.D., (right) orthopedic surgery professor, hands Dr. James Becker his award for Excellence in Collaboration.

Excellence in Mentoring

Nalini Santanam, Ph.D.



Dr. Nalini Santanam (left) receives her Excellence in Mentoring award from **Bobby Miller, M.D.**, vice dean for medical education and associate professor in the department of pediatrics.



Dean's Awards for Excellence

Dr. Joseph Shapiro, dean, congratulates faculty for their awards.

Dean's Award for Excellence in Education



Adrienne Mays, M.D., an assistant professor in family medicine, was honored with the Dean's Award for Excellence in Education at the annual faculty awards ceremony in May. Dr. Mays understands how to excel as both a physician and an educator: while maintaining a very busy practice in both office and hospital settings, she has won several teaching awards because of her learner-centered focus. Her student and resident evaluations are consistently rated in the highest category of approval in all aspects of teaching, including attitude, knowledge, and availability. Through her vision and leadership as a course director, she has raised the level of all four courses under her guidance by committing countless hours to developing meaningful clinical cases and to organizing the curriculum to its fullest effect. Dr. Mays is creative and practical in her teaching approach; she has incorporated a number of innovative teaching methods and has been effective in integrating clinical and basic science teaching. Dr. Mays also serves as a mentor for multiple students and, in keeping with her performance record, gets the highest possible ratings. Dr. Mays has set the bar high and has been a positive influence on every student lucky enough to learn from her.

Deans' Award for Excellence in Clinical Research



Richard Crespo, Ph.D., is a professor through the department of family and community health. As the winner of the Dean's Award for Excellence in Clinical Research, Dr. Crespo's passion for helping patients is displayed through his research and numerous innovations, collaborations, and publications. His innovations, which often target chronic disease and lifestyle choices, are many and varied in application, and have affected patient care throughout the region. As a way to improve a patient's ability to self-manage chronic disease, Dr. Crespo created a social marketing and behavior change program that is now used by rural health centers across the state and by diabetes coalitions in the Appalachian Region. As part of a program for reducing obesity in school-age children, Dr. Crespo developed content for a touch-screen computer system that engages adolescents in healthy lifestyle self-management. Over 15,000 copies of Dr. Crespo's publications have been distributed in the Appalachian region, with topics relevant to healthy lifestyle choices like "Balance Your Plate: a guide for healthy eating" and "Kick the Habit: a guide for quitting tobacco use." Additionally, Dr. Crespo has over nine peer-reviewed publications in journals and manages over \$4 million in multidisciplinary grants and contracts for Rural Health. Dr. Crespo's excellence in clinical research, his hard work, and his commitment to patients has improved the health and vitality of West Virginia and Appalachia.

Dean's Award for Excellence in Clinical Care



Ross Patton, M.D., family medicine professor, was recognized at the May ceremony for his dedication and commitment to providing all aspects of clinical care. Dr. Patton is a stellar example of a success story: he maintains a busy practice in Barboursville, works with the Family Planning Clinic of the Health Department, serves as the medical director of Student Health, and collaborates on issues of Sports Medicine. But the most striking thing about Dr. Patton is how he treats his patients: every man, woman, and child who walks into his office is treated as though he or she was a member of his family. Infants, students, pregnant women, and the elderly all benefit from his care. Whether he is filling in for medical missionaries in Ecuador or providing care in Mc Dowell County, Dr. Patton is consistently a great doctor and a great teacher. The Dean's Award for Excellence in Clinical Care is well deserved and well earned by Dr. Patton.



"I am confident we will continue to strive for excellence for the betterment of medical education, research, and patient care."

– Joseph I. Shapiro, M.D.

Spotlight on Dr. Maria Serrat

JCESOM professor shines in research and teaching



Maria A. Serrat, Ph.D., has been busy! The assistant professor in the department of anatomy and pathology has earned recognition, not only at JCESOM, but nationally as well for her role as an educator and for her accomplishments in biomedical research.

National anatomy award

In March, Dr. Serrat was honored as the 2015 recipient of the Basmajian Award by the American Association of Anatomists (AAA). The Basmajian Award recognized Dr. Serrat for her outstanding accomplishments in biomedical research and scholarship in education and for her excellence as a gross anatomy teacher.

Federal grant funds musculoskeletal research at JCESOM

Dr. Serrat and a team of multidisciplinary researchers from several institutions received \$383,000 in federal grant funds to continue researching the effects of temperature on bone elongation. "We hope our results will facilitate the design of heat-based, drug-targeting approaches to enhance bone length using noninvasive techniques such as warm temperature applications," Dr. Serrat said. "This work is significant because it has the potential to produce transformative findings that link heat, bone lengthening and vascular access to the growing skeleton which could lead to better clinical therapies for children in particular." The three-year award from the National Institutes of Health and the National Institute of Arthritis and Musculoskeletal and Skin Diseases is an extension of work initially funded from a bridge grant from the American Society for Bone and Mineral Research. Collaborators include Marshall graduate and medical students as well as faculty researchers from Cornell University, Mayo Clinic, the University of Kentucky, and Ohio University.

Dean's Award

Dr. Serrat was also selected for the Dean's Award for Excellence in Research, Basic Science, which she accepted this May. Her work at JCESOM has been significant: she mentors 24 students (seven graduate, seven undergraduate, and ten medical); has published 13 articles in reputable, international, peer-reviewed journals; filed one U.S. Patent application in December; and is involved with 23 grants totaling over \$610,000 "Dr. Serrat is accomplishing great work in her laboratory which has the potential to have a tremendous clinical impact in the future," said **Joseph I. Shapiro, M.D.**, JCESOM dean. "Marshall is continuing to build its research footprint and investigators like Maria Serrat are an integral part of our success."

Dr. Serrat, who completed her bachelor's degree in anthropology from Miami University in 1999, earned her master's degree in anthropology from Kent State University. She completed her doctorate in biological anthropology from Kent State University in 2007 and postdoctoral training at Cornell University from 2008 to 2009.

Marshall Diabetes Education Program earns ADA recognition

The Bruce S. Chertow Diabetes Center, an affiliate of Marshall Health, was awarded the prestigious American Diabetes Association (ADA) Education Recognition Certificate for a quality diabetes self-management education program. The ADA's recertification of the Chertow Diabetes Center means the center's educational programs meet the National Standards for Diabetes Self-Management Education Programs. "The process gives professionals a national standard by which to measure the quality of services we provide," said Gerry Bryant, RN/CDE, diabetes education program coordinator for the Chertow Diabetes Center. "It also assures the patient that he or she will receive high-quality service."

According to the ADA, 9.3 percent of the population in the United States (29.1 million people) have diabetes. Each day, an estimated 4,600 people are diagnosed with diabetes in the U.S. Many will first learn that they have diabetes when they are treated for one of its serious complications, such as heart disease, stroke, kidney disease, blindness, nerve disease or amputation.



AAA Conference in Boston:

JCESOM travels to Experimental Biology meeting.

Marshall University was well represented at the American Association of Anatomists (AAA) annual meeting at Experimental Biology. In late March, researchers from the Biomedical Sciences Graduate Program, the Forensic Science Graduate Program, the School of Pharmacy, and JCESOM presented their findings at this national conference, which took place in Boston, Massachusetts.



Maria A. Serrat, Ph.D., who was honored with the Basmajian Award during the conference, presented "Imaging IGF-I uptake in growth plate cartilage using in vivo multiphoton microscopy" in a special symposium that she organized titled "Vascular and connective tissue imaging in situ: returning bone to the skeleton." **Gary O. Rankin, Ph.D.**, JCESOM professor and chairman of the department of pharmacology, physiology and toxicology, led a special symposium, "Pharmacogenetics and Drug Toxicity." Several Marshall graduate students, listed below, were selected for graduate student travel awards and showcased their research through both oral and poster presentations at the national conference.

- **Jenna C. Kerby**, first-year medical student, presented "Temperature-enhanced extremity lengthening is growth rate dependent." Kerby was selected as one of only eight trainees to give an oral presentation in the Comparative and Evolutionary Physiology Section of the American Physiological Society's Abstract-Driven Trainee Featured Topic.
- **Caroline Ann Hunter**, biomedical sciences Ph.D. student, received the travel award from the American Society for Biochemistry and Molecular Biology (ASBMB) for her presentation, "c-Src regulates mitochondrial translation by phosphorylation of elongation factor Tu."
- **Christopher Racine**, biomedical sciences Ph.D. candidate, received the travel award from the American Society for Pharmacology and Experimental Therapeutics (ASPET) for his presentation titled "Oxidative stress induced following exposure to 3,5-dichloroaniline (3,5-DCA) in vitro: Role in Nephrotoxicity."
- **Holly L. Tamski**, biomedical sciences Ph.D. candidate, earned the travel award from the American Association of Anatomists (AAA) for her presentation "Infrared Thermal Imaging to Collect Quantitative Surface Temperatures from Mice in Unilateral Limb Heating Study."
- **Justin Tomblin**, biomedical sciences Ph.D. candidate, recipient of the Best Research Performance Award from Marshall's biomedical sciences program, travelled to Boston to present "Pyrrolidine Dithiocarbamate Selectively Induces Autophagy and Cell Death in Triple Negative Breast Cancer Cells."

Faculty Members Highlighted:

International Innovation features Marshall research

In its April publication, *International Innovation* highlighted two of Marshall's preeminent faculty members and their innovative research on sodium-potassium pumps. **Zi-Jian Xie, Ph.D.**, director of the Marshall Institute for Interdisciplinary Research (MIIR), and **Joseph I. Shapiro, M.D.**, JCESOM dean, were interviewed about their collaboration and their research on Na/K-ATPase functions. The article detailed their research goals, their progress, and the revolutionary and potentially widespread implications of their success in studying cellular pathways underlying kidney disease and heart failure.



Exploring Public Health Challenges

Marshall co-sponsors global health conference

JCESOM's department of family and community health joined with academic partners from the University of Louisville, University of Kentucky, and University of Cincinnati Schools of Medicine to participate in the 6th annual Global Health Conference on April 17. The conference "Global Health Hits Home: Multi-Disciplinary Approaches to Public Health Challenges, Ebola and Beyond" was held at the University of Louisville's Shelby Campus and was open to physicians, allied health care providers, public health scientists, nurses, students, postdoctoral trainees, and medical residents/fellows.

John Walden, M.D., professor emeritus in the department of family medicine, says Marshall's longtime commitment to global health is a cornerstone of its program and the sponsorship of the global health conference is a natural fit. "Opportunities we offer, like our international health residency track, health policy track and even the nation's first wilderness medicine track, attract residents and medical students from around the country to our training programs and in many cases, they stay here in Appalachia to practice medicine," Dr. Walden said. "We are so pleased to co-sponsor this important event and are hopeful we will host it next year."

JCESOM Abroad

Trans-atlantic training opportunities offered to medical students

Through a new international partnership, JCESOM students will have the opportunity to experience medical training at St. George's University of London Medical School. First-year and fourth-year medical students will have the option to take medical electives or participate in research at the school in London. Likewise, up to 30 St. George's students will be selected to spend their clinical years at Marshall starting this August.

According to **Bobby Miller, M.D.**, vice dean of medical education, the agreement provides for incredible learning opportunities. "Marshall students who choose to study an elective or opt for a research experience at St. George's will see a different model for health care and research," Dr. Miller said. "And, of course, the influence of St. George's students, many of whom are from countries other than England, will provide a culturally diverse experience for our Marshall students here at home."

"This initiative was really an outgrowth of President Stephen Kopp's vision to expose Marshall University students to a more global experience and is certainly representative of his legacy," said **Joseph I. Shapiro, M.D.**, dean.

The program requires medical students to complete the degree requirements outlined by their home institutions; graduates will earn degrees from their respective schools.



Recruiting The Best

Marshall launches accelerated B.S./M.D. program

Thirteen West Virginia students, listed below, will begin this August in Marshall University's newly-developed B.S./M.D. accelerated program. The inaugural program, which recruits only highly motivated and extremely well-qualified students, condenses the total time in undergraduate school and medical school to seven years.

- Taylor G. Adkins, Barboursville, Cabell County
- Madisen R. Burns, Huntington, Cabell County
- Kaitlan S. Conn, Fort Gay, Wayne County
- Deena Dahshan, Charleston, Kanawha County
- Sarah Evans, Sandyville, Jackson County
- Holly A. Farkosh, Ripley, Jackson County
- Jacob R. Kilgore, Huntington, Wayne County
- Cierra L. King, Williamstown, Wood County
- Alexis P. Lester, Winfield, Putnam County
- Jordan E. Ratcliff, Prichard, Wayne County
- Hannah A. Ray, Huntington, Wayne County
- Dana L. Sharma, Huntington, Cabell County
- Emily H. Short, Summersville, Nicholas County

"I couldn't be happier we have launched this program at Marshall," said **Joseph I. Shapiro, M.D.**, dean. "We all recognize that West Virginia needs more doctors. One of the ways we can make that happen is to develop programs that attract and retain our state's best and brightest students."

Program admission is very competitive and requires high ACT/SAT scores, a cumulative GPA of 3.75 on a 4.0 scale, three letters of recommendation, and an on-campus interview. The program demands continued excellence from participants as biology majors during their three years of undergraduate training, requiring a 3.5 GPA, 26 credit hours per academic year, and participation in enrichment programs. An undergraduate advisor and a JCESOM mentor will collaboratively guide students to help ensure their success in the accelerated program.

Students who successfully complete the undergraduate portion of the program will not be required to take the Medical College Admissions Test (MCAT) and will matriculate directly into medical school. Additionally, students will receive a tuition waiver for the medical school portion of the program.

As part of the development team for the novel program, **Charles C. Somerville, Ph.D.**, Dean of the College of Science at Marshall, recognized the benefits to the students, the school, and the state of West Virginia: "The B.S./M.D. program will bring highly talented students to Marshall University, shorten the time it takes for those students to begin practicing medicine in West Virginia, and allow them to complete their educations with limited debt. It's a win for everyone involved, and we are very excited to be part of it."

More information is available online at <http://jcesom.marshall.edu/students/accelerated-bsmcd-program/>.

Hepatitis C in WV:

JCESOM examines budgeting Hepatitis C drugs in West Virginia



JCESOM sponsored the Paul Wesley Ambrose Health Policy Panel held on October 9 to discuss West Virginia's increase in Hepatitis C cases and the cost of Hepatitis C medication for both patients and the state.

The discussion was particularly relevant to both individual patients and the medical community across West Virginia, as the cost of medication aimed at treating Hepatitis C can be prohibitive. According to **Matthew Q. Christiansen, M.D.**, a family medicine resident and Ambrose health policy fellow, "some of [these novel drugs] have a starting price of \$80,000."

Panelists included **James B. Becker, M.D.**, director of WV Medicaid and senior associate dean for clinical affairs; **Harry K. Tweel, M.D.**, physician director, Cabell-Huntington Health Department; and **Yaser M. Rayyan, M.D.**, associate professor of gastroenterology, department of internal medicine.

Congratulations →

Congratulations to Resident of the Month awardees!



November

Ashley B. Zawodniak, D.O.,
second-year internal medicine resident



December

Johnson B. Walker, M.D.,
third-year surgery resident



January

Jodi M. Pitsenbarger, M.D.,
third-year pediatric resident



February

Carolyn A. Curtis, M.D.,
second-year department of family and
community health resident



March

Naveed S. Iqbal, M.D.,
first-year cardiology fellow



April

Jacob T. Kilgore, M.D.,
second-year internal medicine/pediatrics
resident

JCESOM unites again with WV SOM for humanism summit



In a collaborative effort to spotlight compassionate and respectful health care, students with the Marshall University and West Virginia University Schools of Medicine hosted the second consecutive Gold Humanism Educational Summit in Charleston. The event, held at Charleston's Culture Center, targeted medical, nursing, physical therapy, and pharmacy students and sought to teach attendees about balancing cutting-edge science with compassionate, patient-centered care. Conference participants (pictured above) discussed character traits like integrity, excellence, compassion, altruism, respect, and empathy, which are promoted by the Gold Humanism Honor Society (GHHS) as keys to better healthcare outcomes for patients and workers in the medical field.

Gold Humanism Honor Society

Congratulations 2015-2016 Inductees!



Students

Paul Vincent Viscuse
Kyle Matthew Burner
Megan Abigail Smith
Hagger Ali
Matthew Abadir
Jason Lee Dickherber
Marjorie Ellen Kilgore
Warren C. Doyle
Audrey M. Dean
David M. Modlin

Residents

Jesse N. Cottrell, M.D.
Audrey J. Hicks, M.D.
Thomas A. Alberico, M.D.
Chadwick J. Knight, M.D.
Amy Ally Roy, M.D.
Aaron M. Brownfield, M.D.

Faculty

Jay R. Lakhani, M.D.
Paul B. Ferguson, M.D.
Amy Smith, M.Ed.

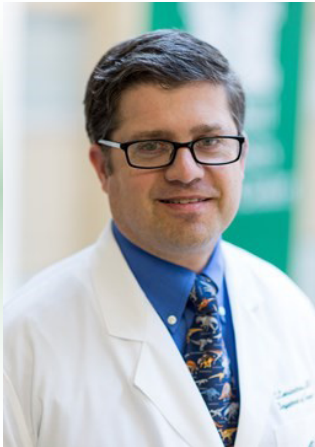
Alpha Omega Alpha



Honor society welcomes JCESOM students and faculty

The Alpha Omega Alpha (AOA) Honor Medical Society honored ten students, three residents, and two faculty members from JCESOM this past April by inducting them into the national honor society. AOA, which has inducted over 150,000 members since its inception in 1902, has over 120 chapters spread across the United States. AOA students are selected from among the top quartile in a given class. Academic performance, leadership, and professionalism are all considered, as well as a firm sense of ethics and service to the school and community. Resident and faculty inductees are selected by a caucus of members of the society, which includes students.

JCESOM's newest AOA members celebrate their induction at the Touma Medical Museum on April 16th. Pictured left to right: **Jordan Hilgefert**, **Matthew Abadir**, **Haggar Ali**, **Jesse Cottrell, M.D.**, **Kyle Burner**, **Josh Hess, M.D.**, **Paul Viscuse**, **Anthony Alberico, M.D.**, (professor and chairman, department of neuroscience), **Justin Nolte, M.D.**, (assistant professor, department of neuroscience), and **Carolyn Curtis, M.D.** Missing from the photo are **Amanda Adkins**, **Shane Cook**, **Andrew Martin**, **Casey Patick**, and **Meaghan Tranovich**.



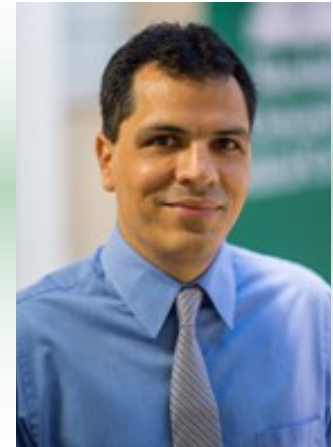
Welcome!

Peter D. Ray, M.D., a board-certified and fellowship-trained pediatric plastic surgeon who specializes in cleft and craniofacial surgery, has joined the department of surgery at JCESOM. Originally from Buffalo, New York, Ray earned his medical degree from the State University of New York at Buffalo School of Medicine and Biomedical Sciences. He completed residencies in general surgery and plastic surgery at the University of Alabama, where he also had subspecialty training in pediatric cleft and craniofacial surgery. He was most recently at the University of Alabama-Birmingham (UAB), where he served as assistant professor of surgery and provided treatment to children with cleft and craniofacial conditions, as well as children with deformities secondary to trauma or burns.



Welcome!

Sheanna M. Spence has been selected to serve as assistant director for alumni affairs and community relations at JCESOM and Marshall Health. A Huntington native and Marshall alumni, Ms. Spence has worked for nearly ten years in development and community outreach, most recently as the director of institutional advancement for Mountwest Community and Technical College. Ms. Spence earned her bachelor's degree in journalism from Marshall and a master's in journalism from Ohio University.



Welcome!

Charles A. Gullo, Ph.D., is serving as the new associate dean for medical education at JCESOM. Dr. Gullo will be responsible for the oversight of the medical education program, including curriculum improvement, development and implementation, as well as assessment and improvement of medical education evaluation methods. Additionally, he will assist in faculty development and student assessment. Dr. Gullo, who most recently was in Singapore with the Duke/NUS Medical School and the Lee Kong Chian School of Medicine, holds a doctorate in microbiology/immunology from the University of Virginia and completed a postdoctoral research fellowship at Beth Israel Deaconess/Harvard Medical Center in 2003.



MARSHALL UNIVERSITY
Joan C. Edwards School of Medicine



Marshall Journal of Medicine

MJM open for submissions July 1!

As an international, peer-reviewed, open-access journal, MJM will encompass any and all aspects of health and disease, including the dynamics and dimensions of public health. MJM's expected launch date is October 1.

Pillow Pets for Hospice Children



Donations organized by JCESOM and Hospice of Huntington

Together with **Amy Smith, BSN, M.Ed.**, assistant dean of student affairs, and Amanda Duffy, Hospice of Huntington patient care volunteer, JCESOM medical students collected around 75 Pillow Pets for Hospice of Huntington. The medical students launched a successful social media campaign calling for donations to support the non-profit agency. The Pillow Pets are intended for children in Noah's Ark, Hospice of Huntington's pediatric program, and were presented to the hospice in August.



AWARDS, HONORS, & SCHOLARLY ACTIVITY

Book and Book Chapters

Biochemistry & Microbiology

Cameron IL, Markov MS, **Wanda Elaine Hardman**. "Daily Exposure to a Pulsed Electromagnetic Field for Inhibition of Cancer Growth: Therapeutic Implications." Book chapter in *Electromagnetic Fields in Biology and Medicine*. Published January 2015;pp. 311-318.

Family Medicine

Rondinelli R, **Mohammed I. Ranavaya**. "Practical Aspects of Impairment Rating and Disability Determination." Book chapter in *Braddom's Physical Medicine and Rehabilitation*, Fifth Edition, Cifu D.X., ed. 2014. Published March 2015.

Mohammed I. Ranavaya. "Methodology of Personal Injury Assessment and Disability Compensation Systems in the United States." Book chapter in *International Academy of Legal Medicine (IALM) Monograph*, S. Davide Ferrara, ed. 2015. Published 2015; Springer Publisher.

Internal Medicine

Shahlaie K, Zwienenberg-Lee M, **Jan Paul Muizelaar**. "Clinical pathophysiology of traumatic brain injury." Book chapter in *Youman's Textbook of Neurological Surgery*, chapter 352. Published 2015.

Surgery

Lawrence M. Wyner. "Common Urologic Problems." Book chapter in *Touchstone Surgery*, chapter 20, pp. 367-382, R. Kusminsky, ed. New York: L.C. Bell Press. Published January 2015; ISBN: 978-0-9913169-1-5.

Multi-disciplinary

Jacob Kilgore (Med/Peds), **Aaron M. McGuffin** (Pediatrics). "Universal Notes for Medical Students 2015." Book in Web Portal, App for iOS and Android. Published January 2015; www.myuniversalnotes.com.

Peer-Reviewed Publications

Biochemistry & Microbiology

Carper MB, **James Denvir**, Boskovic G, **Don A. Primerano**, **Pier P. Claudio**. "RGS16, a novel p53 and pRb cross-talk candidate inhibits migration and invasion of pancreatic cancer cells." *Genes & Cancer*. Published November 2014;5(11-12):420-35.

Sarah L. Miles, McFarland M, **Richard M. Niles**. "Molecular and physiological actions of quercetin: the need for clinical trials to assess its benefits in human disease." *Nutrition Reviews*. Published 16 October 2014.

Ruden DM, Cingolani PE, Sen A, Qu W, Wang L, Senut MC, Garfinkel MD, **Vincent E. Sollars**, Lu X. "Epigenetics as an answer to Darwin's 'special difficulty,' Part 2: natural selection of metastable epialleles in honeybee castes." *Frontiers in Genetics*. Published February 2015;6:60.

Cameron IL, Markov MS, **Wanda Elaine Hardman**. "Optimization of a therapeutic electromagnetic field (EMF) to retard breast cancer tumor growth and vascularity." *Cancer Cell International*. Published 7 December 2014;14: 125.

Cardiology

Kolli MB, Manne ND, Para R, Nalabotu SK, Nandyala G, Shokuhfar T, He K, Hamlekhan A, Ma JY, **Paulette S. Wehner**, Dornon L, Arvapalli R, Rice KM, Blough ER. "Cerium oxide nanoparticles attenuate monocrotaline induced right ventricular hypertrophy following pulmonary arterial hypertension." *Biomaterials*. Published September 2014;35(37):9951-62.

Clinical and Translational Sciences

Subha Arthur, **Uma Sundaram**. "Inducible nitric oxide regulates intestinal glutamine assimilation during chronic intestinal inflammation." *Nitric Oxide: Biology and Chemistry*. Published 15 December 2014;44C:98-104.

Subha Arthur, **Uma Sundaram**.

"Protein kinase C-mediated phosphorylation of RKIP regulates inhibition of Na-alanine cotransport by leukotriene D4 in intestinal epithelial cells." *American Journal of Physiology - Cell Physiology*. Published December 2014;307(11):C1010-6.

Manoharan P, Gayam S, **Subha Arthur**, Palaniappan B, Singh S, Dick G, **Uma Sundaram**. "Chronic and selective inhibition of basolateral membrane Na-K-ATPase uniquely regulates brush border membrane Na absorption in intestinal epithelial cells." *American Journal of Physiology - Cell Physiology*. Published 4 February 2015;ajpcell.00355.2014.

Saha P, Manoharan P, **Subha Arthur**, Sundaram S, Kekuda R, **Uma Sundaram**. "Molecular mechanism of regulation of villus cell Na-K-ATPase in the chronically inflamed mammalian small intestine." *Biochimica et Biophysica Acta*. Published November 2014;1848(2):702-11.

Family Medicine

Richard D. Crespo, Hatfield V, Justice M, Hudson J. "Partnership with Community Health Workers Extends the Reach of Diabetes Educators." *In Practice, The American Association of Diabetes Educators*. Published February 2015;24-29.

Internal Medicine

Sangeeta Chandramahanti, **Prasanna Santhanam**, Taieb D. "Myelolipomatous Adrenal Adenoma and Adrenal Scintigraphy: A Case Presentation and Review of Literature." *Journal of Endocrinology and Metabolism*. Published December 2014;4(5-6):148-150.

Prasanna Santhanam, **Sangeeta Chandramahanti**, Kroiss A, Yu R, Ruszniewski P, Kumar R, Taieb D. "Nuclear imaging of neuroendocrine tumors with unknown primary: why, when and how?" *European Journal of Nuclear Medicine and Molecular Imaging*. Published 13 March 2015.

Tariq Sharman, **Fadi W. Alkhankan**, **Prasanna Santhanam**. "Diffuse Pulmonary Carcinoid tumorlets; a rare

cause of chronic intractable cough.” Abstract in *ACP Regional Meeting*. Published 2014.

Maxwell K, Shah P, **Joseph I. Shapiro**. “The plasmalemmal Na/K-ATPase: an amplifier for reactive oxygen species?” Review in *Journal of Hypertension: Open Access*. Published 2015.

Abdalahamid B, Hassan H, Itbaileh A, **Mahmoud A. Shorman**.

“Characterization of carbapenem-resistant Acinetobacter baumannii clinical isolates in a tertiary care hospital in Saudi Arabia.” *The New Microbiologica*. Published January 2014;37(1):65-73.

Sirkhazi S, Sarriff A, Abd Aziz N, Almana F, Arafat O, **Mahmoud A. Shorman**. “A Comparative Study of Piperacillin-Tazobactam With and Without Vancomycin as Empirical Therapy for Febrile Neutropenic Patients With Solid Tumor Malignancies.” *World Journal of Oncology*. Published 2015;6(1):283-291.

Sirkhazi S, Sarriff A, Abd Aziz N, Almana F, Arafat O, **Mahmoud A. Shorman**. “Bacterial Spectrum, Isolation Sites and Susceptibility Patterns of Pathogens in Adult Febrile Neutropenic Cancer Patients at a Specialist Hospital in Saudi Arabia.” *World Journal of Oncology*. Published 2014;5(5-6):196-203.

Prasanna Santhanam, Taieb D. “Role of (18) F-FDOPA PET/CT imaging in endocrinology.” *Clinical Endocrinology*. Published September 2014;81(6):789-98.

Prasanna Santhanam. “Levothyroxine dose and measurement of TSH.” *The American Journal of Medicine*. Published January 2015;128(1):e13.

Weaver K, **Rezwana Ahmed, Prasanna Santhanam, Yaser M. Rayyan**. “A Single Center Experience Evaluating Variable Prognostic Indicators of 30- and 90- Day Mortality in Patients with End Stage Liver Disease After Creation of Transjugular Intrahepatic Portosystemic Shunt.” Abstract in *ACG Conference in Philadelphia*. Published October 2014.

Rodhan A. Khthir, Hatab I, Rajan B, Espina FL. “The Impact of Introducing Inpatient Diabetes Management Protocol Glycemic Control in a Rural

Secondary Care Hospital in the UAE.” *Journal of Endocrinology and Diabetes Mellitus*. Published November 2014;2, 125-129.

Guillermo Madero Garza, Shirley M. Neitch. “West Virginia nursing homes: Are they up to the standard?” *WV Medical Journal*. Published October 2014;Vol. 110, No. 5, pp. 26-30.

Neuroscience

Lee DJ, Gurkoff GG, Goodarzi A, **Jan Paul Muizelaar**, Boggan JE, Shahlaie K. “Intracerebroventricular opiate infusion for refractory head and facial pain.” *World Journal of Clinical Cases*. Published 16 August 2014;2(8):351-6.

Lee DJ, Latchaw RE, Dahlin BC, Dong PR, Verro P, **Jan Paul Muizelaar**, Shahlaie K. “Antegrade rheolytic thrombectomy and thrombolysis for superior sagittal sinus thrombosis using burr hole access.” *Journal of Neurointerventional Surgery*. Published March 2015;7(3):e11.

Jan Paul Muizelaar. “Multimodal monitoring after traumatic brain injury: useless or useful?” *Critical Care Medicine*. Published February 2015;43(2):506-7.

Sarkar K, Keachie K, Nguyen U, **Jan Paul Muizelaar**, Zwienenberg-Lee M, Shahlaie K. “Computed tomography characteristics in pediatric versus adult traumatic brain injury.” *Journal of Neurosurgery: Pediatrics*. Published March 2014;13(3):307-14.

Obstetrics & Gynecology

Aspinall SL, Good CB, Zhao X, Cunningham FE, Heron BB, Geraci M, Passero V, **Ryan A. Stone**, Smith KJ, Rogers R, Shields J, Sartore M, Boyle DP, Giberti S, Szymanski J, Smith D, Ha A, Sessions J, Depcinski S, Fishco S, Molina I, Lepir T, Jean C, Cruz-Diaz L, Motta J, Calderon-Vargas R, Maland J, Keefe S, Tague M, Leone A, Glovack B, Kaplan B, Cosgriff S, Kaster L, Tonnu-Mihara I, Nguyen K, Carmichael J, Clifford L, Lu K, Chatta G. “Adjuvant chemotherapy for stage III colon cancer: relative dose intensity and survival among veterans.” *BMC Cancer*. Published February 2015;15:62.

Office of Medical Education

Charles Gullo, Ha TC, Cook S. “Twelve tips for facilitating team-based learning.” *Medical Teacher*. Published 10 February 2015;1-6.

Orthopedic Surgery

Nazarian A, Entezari V, Zurakowski D, Calderon N, Hipp JA, Villa-Camacho JC, Lin PP, **Felix H. Cheung**, Aboulafia AJ, Turcotte R, Anderson ME, Gebhardt MC, Cheng EY, Terek RM, Yaszemski M, Damron TA, Snyder BD. “Treatment Planning and Fracture Prediction in Patients with Skeletal Metastasis with CT-Based Rigidity Analysis.” *Clinical Cancer Research*. Published 27 February 2015.

Andryyka M, Wilson-Byrne T, Fitzpatrick S, Veitia M, Orwig R, **Franklin D. Shuler**. “Too smart to fail: guide for the struggling medical student.” *The West Virginia Medical Journal*. Published November 2014;110(6):12-4, 16-9.

Pharmacology, Physiology, & Toxicology

Chen J, Creed A, Chen AY, Huang H, Li Z, **Gary O. Rankin**, Ye X, Xu G, Chen YC. “Nobiletin suppresses cell viability through AKT Pathways in PC-3 and DU-145 prostate cancer cells.” *BMC Pharmacology & Toxicology*. Published October 2014;15:59.

He Z, Li B, **Gary O. Rankin**, Rojanasakul Y, Chen YC. “Selecting bioactive phenolic compounds as potential agents to inhibit proliferation and VEGF expression in human ovarian cancer cells.” *Oncology Letters*. Published March 2015;9(3):1444-1450.

Li B, Gao Y, **Gary O. Rankin**, Rojanasakul Y, Cutler SJ, Tu Y, Chen YC. “Chaetoglobosin K induces apoptosis and G2 cell cycle arrest through p53-dependent pathway in cisplatin-resistant ovarian cancer cells.” *Cancer Letters*. Published 7 October 2014.

Racine C, Ward D, Anestis DK, Ferguson T, Preston D, **Gary O. Rankin**. “3,4,5-trichloroaniline nephrotoxicity in vitro: potential role of free radicals and renal biotransformation.” *International Journal of Molecular Sciences*. Published November 2014;15(11):20900-12.

Gary O. Rankin, Sweeney A, Racine C, Ferguson T, Preston D, Anestis DK. "4-Amino-2-chlorophenol: Comparative in vitro nephrotoxicity and mechanisms of bioactivation." *Chemico-biological Interactions*. Published 19 October 2014;222C:126-132.

Racine C, Anestis D, Ball J, **Monica Valentovic**, **Gary O. Rankin**. "Exploring the Role of Oxidative Stress in 3,5-Dichloroaniline (3,5-DCA)-Induced Nephrotoxicity In Vitro." Abstract in *Toxicologist*. Published March 2015;144(1) Abstract 2283.

Sayed M, Drummond CA, Evans KL, Haller ST, **Jiang Liu**, Xie Z, Tian J. "Effects of Na/K-ATPase and its ligands on bone marrow stromal cell differentiation." *Stem Cell Research & Therapy*. Published July 2014;13(1):12-23.

Monica Valentovic, Ball JG, Murphy R, Benja Lamyathong AB, Schnelle A. "Resveratrol Attenuates Cisplatin Cytotoxicity in HK-2 Cells: Effects on TNF alpha and oxidative stress." Abstract in *Toxicologist*. Published March 2015.

Rollyson WD, Stover CA, Brown KC, Perry HE, Stevenson CD, McNees CA, Ball JG, **Monica Valentovic**, **Piyali Dasgupta**. "Bioavailability of capsaicin and its implications for drug delivery." *Journal of Controlled Release*. Published December 2014;196 (28), 96–105.

Travis B. Salisbury, Tomblin JK. "Insulin/Insulin-like growth factors in cancer: new roles for the aryl hydrocarbon receptor, tumor resistance mechanisms, and new blocking strategies." *Frontiers in Endocrinology*. Published February 2015;6:12.

Surgery

Lawrence M. Wyner. "Late presentation of complicated complete ureteral duplication." Case report in *Journal of Urology*. Published March 2015;193(3):999-1000.

Gabi A, **Rebecca S. Wolfer**, Shattahi E. "Abdominal Necrotizing Fasciitis due to *Pasturella Multocida* Infection." *West Virginia Medical Journal*. Published November 2014;110, 6 (32-34).

Douglas WG, **Ekong E. Uffort**, Denning D. "Transfusion and management of surgical patients with hematologic disorders." Review in *Surgical Clinics*. Published 2015;95: 367 -377.

Multidisciplinary

Nalini Santanam (Pharmacology, Physiology, & Toxicology), **Yoram Elitsur** (Pediatrics), Stanek R, Hotiana M, Wheaton J, Kheetan R, Aljayoussi R, **Todd W. Gress** (Internal Medicine), Yaqub A. "Association between retinol binding protein 4 with atherosclerotic markers in obese children." *Minerva Endocrinologica*. Published October 2014.

Richards-Waugh LL, **Don A. Primerano** (Biochemistry & Microbiology), Dementieva Y, Kraner JC, **Gary O. Rankin** (Pharmacology, Physiology, & Toxicology). "Fatal Methadone Toxicity: Potential Role of CYP3A4 Genetic Polymorphism." *Journal of Analytical Toxicology*. Published October 2014;38(8):541-7.

Fährmann ER, Adkins L, Loader CJ, Han H, Rice KM, **James Denvir** (Biochemistry & Microbiology), **Henry K. Driscoll** (Internal Medicine). "Severe hypoglycemia and coronary artery calcification during the diabetes control and complications trial/epidemiology of diabetes interventions and complications (DCCT/EDIC) study." *Diabetes Research and Clinical Practice*. Published 23 October 2014.

Morra F, Luise C, Merolla F, Poser I, Visconti R, Ilardi G, Paladino S, Inuzuka H, Guggino G, Monaco R, Colecchia D, Monaco G, Cerrato A, Chiariello M, **Krista L. Denning** (Anatomy & Pathology), **Pier P. Claudio** (Biochemistry & Microbiology), Staibano S, Celetti A. "FBXW7 and USP7 regulate CCDC6 turnover during the cell cycle and affect cancer drugs susceptibility in NSCLC." *Oncotarget*. Published 30 March 2015.

James Denvir (Biochemistry & Microbiology), **Shirley M. Neitch** (Internal Medicine), Fan J, **Richard M. Niles** (Biochemistry & Microbiology), Boskovic G, Schreurs BG, **Don A. Primerano** (Biochemistry & Microbiology), Alkon DL. "Identification of the PS1 Thr147Ile Variant in a

Family with Very Early Onset Dementia and Expressive Aphasia." *Journal of Alzheimer's Disease*. Published 26 March 2015.

Cao J, Tsenovoy PL, **Ellen A. Thompson** (Cardiology), Falck JR, **Robert C. Touchon** (Cardiology), **Komal Sodhi** (Surgery), Rezzani R, **Joseph I. Shapiro** (Internal Medicine), **Nader G. Abraham** (Internal Medicine). "Agonists of epoxyeicosatrienoic acids reduce infarct size and ameliorate cardiac dysfunction via activation of HO-1 and Wnt1 canonical pathway." *Prostaglandins & Other Lipid Mediators*. Published 9 February 2015.

Paulette S. Wehner (Cardiology), **Joseph I. Shapiro** (Internal Medicine). "Renal denervation to treat cardiac fibrosis?" Editorial in *Journal of the American Heart Association*. Published December 2014;3(6).

Komal Sodhi (Surgery), Pesce P, Stevens S, Puri N, Getty M, Hutcheson R, Sacerdoti D, and **Joseph I. Shapiro** (Internal Medicine). "Impairment of Heme Oxygenase Expression in Immuno-suppressed Mice Exacerbates Ischemic Heart Myocytes Cell Death: Reversible by Bilirubin and Restoration of Nitric Oxide." *Journal of Cardiology and Therapy*. Published February 2015.

Hayes RM, **Lauren M. Thompson** (Pediatrics), **Todd W. Gress** (Internal Medicine), Cottrell L, Pino I, Gilkerson CL, **Susan L. Flesher** (Pediatrics). "Effects of a Brief Physical Activity Program on Young Students' Physical Fitness." *Clinical Pediatrics*. Published 2 February 2015;pii: 0009922815569204.

Nalini Santanam (Pharmacology, Physiology, & Toxicology), Physiology, & Toxicology), **Yoram Elitsur** (Pediatrics), Stanek R, Hotiana M, Wheaton J, Kheetan R, Aljayoussi R, **Todd W. Gress** (Internal Medicine), Yaqub A. "Association between retinol binding protein 4 with atherosclerotic markers in obese children." *Minerva Endocrinologica*. Published 30 October 2014.

Yousef R. Shweihat (Internal Medicine), **James D. Perry** (Internal Medicine), **Darshana Shah** (Anatomy & Pathology). "Isolated Candida

infection of the lung.” Case report in *Respiratory Medicine Case Reports*. Published March 2015; doi:10.1016/j.rmcr.2015.03.001.

Ray K, Fahrman J, **Brenda L. Mitchell** (Obstetrics & Gynecology), Paul D, King H, Crain C, Cook C, Golovko M, Brose S, Golovko S, **Nalini Santanam** (Pharmacology, Physiology, & Toxicology). “Oxidation-sensitive nociception involved in endometriosis-associated pain.” *Pain*. Published March 2015;156(3):528-39.

Ray K, **Brenda L. Mitchell** (Obstetrics & Gynecology), **Nalini Santanam** (Pharmacology, Physiology, & Toxicology). “Power over pain: a brief review of current and novel interventions for endometriosis-associated pain.” *Journal of Endometriosis and Pelvic Pain Disorders*. Published November 2014; 6(4): 10.5301/je.5000199.

Litchfield AB, Hayes RM, **Franklin D. Shuler** (Orthopedic Surgery), **Susan L. Fleisher** (Pediatrics). “Type I Diabetes in Children and Vitamin D.” *West Virginia Medical Journal*. Published January 2015;111(1): 32-7

Maria A. Serrat (Anatomy & Pathology), Schlierf TJ, Efaw ML, **Franklin D. Shuler** (Orthopedic Surgery), Godby J, Stanko LM, Tamski HL. “Unilateral heat accelerates bone elongation and lengthens extremities of growing mice.” *Journal of Orthopaedic Research*. Published January 2015; 33(5):692-8.

Journal Reviewers and Editors

Anatomy & Pathology

Maria A. Serrat is a journal reviewer for *Nutrients and Evolutionary Biology*, October 2014; *Frontiers in Endocrinology*, November 2014 – January 2015; and *South African Journal of Science*, February 2015.

Darshana Shah serves on the editorial board for *Medicine*, November 2014.

Family Medicine

Stephen M. Petrany is a peer reviewer for *Journal of Health Care for the Poor and Underserved*, January 2014.

Internal Medicine

Nancy J. Munn is a reviewer for *Respiratory Medicine Case Reports*, October 2014 - March 2015.

Prasanna Santhanam is a manuscript reviewer for *North American Journal of Medical Sciences*, September 2014 – October 2014, and *Annals of Internal Medicine*, March - April 2015.

Pediatrics

Susan L. Fleisher is a journal reviewer for *Clinical Pediatrics*, March - December 2015.

Pharmacology, Physiology, & Toxicology

Larry M. Grover is a reviewer for *Brain Stimulation, Brain Research Bulletin*, and *Neurobiology of Learning and Memory*, 2014.

Grants Funded

Anatomy & Pathology

Darshana Shah. “Gold Humanism Educational Summit,” The Arnold P. Gold Foundation, \$1,500, January 2015 - March 2015. “The Leonard Tow Humanism in Medicine Awards,” The Arnold P. Gold Foundation, \$2,000, January 2015 - May 2015.

Maria A. Serrat. “Dysregulated growth factor transport and accelerated bone elongation in childhood obesity,” Appalachian Clinical and Translational Science Institute Pilot Grant, \$25,000, February 2015 - February 2016. “Vascular and connective imaging in situ: returning bone to the skeleton (symposium travel funding),” American Association of Anatomists, \$4,000, March 2015 - April 2015.

Family Medicine

Richard D. Crespo. “Pretera SOC,” Pretera, \$75,000, July 2014 - June 2015. “Vulnerable Populations,” AppaPhil, \$9,006, September 2014 - August 2015. “Benedum CHW,” Benedum Foundation, \$160,000, October 2014 - September 2015. “Project AWARE,” SAMHSA, \$50,000, January 2015 - September 2015. “WV Oral Health Coalition Support Project,” DentaQuest, \$175,800, February 2015 - January 2016.

“Development of Systems for CHW,” AmeriCorps VISTA, \$245,000, March 2015 - March 2016.

Orthopedic Surgery

James B. Day, Alan R. Koester. “MonitOR,” NASA West Virginia Consortium, \$1,000, December 2014 - June 2015.

James B. Day. “OrthoSearch,” NASA West Virginia Consortium, \$1,000, December 2014 - June 2015.

Pharmacology, Physiology, & Toxicology

Nalini Santanam, Elsa I. Mangiarua. “AHA GRA Summer Undergraduate Student Research Program at Marshall University,” American Heart Association, \$40,000, February 2015 - January 2017.

Monica Valentovic. “Cisplatin mediate mitochondrial toxicity,” WV NASA Space Consortium Undergraduate Research, \$1,000, December 2014 - May 2015.

Multi-disciplinary

David G. Chaffin, Jr. (Obstetrics & Gynecology), **Richard D. Egleton** (Pharmacology, Physiology, & Toxicology), **Anne M. Silvis** (Obstetrics & Gynecology). “Evaluating Buprenorphine Metabolism in Opiate-Addicted Mothers and Fetal Tissue as a Predictor of Neonatal Abstinence Syndrome in Rural Appalachia,” Center for Rural Health and the Clinical Research Center, Marshall University, \$25,000.

Sarah L. Miles (Biochemistry & Microbiology), **Nadim Bou Zgheib** (Obstetrics & Gynecology), **Pier P. Claudio** (Biochemistry & Microbiology). “Analysis of gene expression profile for platinum resistance in ovarian cancer; the role of cancer stem-like cells,” Zacharias OB/GYN - Bucks for Brains, \$34,800, January 2015 - December 2015.

Grant Reviewers and Study Sections

Biochemistry & Microbiology

Vincent E. Sollars served as a grant application reviewer for the National Science Foundation Graduate Research

Fellowship Program, October 2014 - January 2015; the Ralph Powe Award Program for Junior Faculty, February - March 2015; and the Pennsylvania Final Performance Review of the CURE program, March - April 2015.

Family Medicine

Kevin S. McCann is a Primary Investigator in an Ongoing Study-JCESOM-IRB #720850-1, Observational Study of the Structured and Monitored Management of Chronic Non-Malignant Pain with Opiates in a Rural Primary Care Office in a High Opiate Abuse Region, March 2014.

Pharmacology, Physiology, & Toxicology

Gary O. Rankin was part of the NIH Special Emphasis Panel NIT ZGM1 TWD-C (CL) for March 2014 and NIH ZGM1 TWD-C (CT) for February 2015.

Monica Valentovic served as an NIH study section grant reviewer member for R03 Diversity, October - December 2014

Scholarly Activity: National/International

Family Medicine

Charles W. Clements, II, is serving as chair of the Southern Division Medical Advisory Committee, National Ski Patrol, February 2015.

Neuroscience

Terrence D. Julien is a member of the Committee on Surgical Palliative Care (CSPC) for the American College of Surgeons, October 2014 - October 2016.

Pharmacology, Physiology, & Toxicology

Gary O. Rankin is a member of the Continuing Medical Education Task Force and the Continuing Education Long Range Task Force, from July 2014; an officer in the Division of Toxicology for the American Society for Pharmacology and Experimental Therapeutics, May 2014 - May 2016; a VA Camp Lejeune Guidance Review Committee member for the Institute of Medicine, National Academy of Sciences, January 2014 - January 2015; and part of the Continuing

Education Committee in the Society of Toxicology, July 2014.

Elsa I. Mangiarua is a Council of Faculty and Academic Societies (CFAS) Representative for the Association of Chairs of Departments of Physiology, January 2015 - December 2015, and an exhibitor in the Annual Biomedical Research Conference for Minority Students, November 2014.

Office of Medical Education

Charles Gullo is a Membership Committee Member in the Team Based Learning Collaborative (TBLC), August 2014.

Scholarly Activity: Regional/State

Family Medicine

Adam M. Franks is an Advisory Committee Officer in the WV Alliance for Creative Health Solutions, March 2015.

Internal Medicine

Lynne J. Goebel is serving as the president of the WV Geriatric Society, January 2015.

Obstetrics & Gynecology

Amanda N. Pauley is an OB/GYN representative in the Physician Advisory Council, HealthNet, March 2015.

Orthopedic Surgery

Ali Oliashirazi sits on the Board of Directors of the Cabell County Medical Society as the immediate past president, February 2015 - January 2016, and serves in the Board of Directors for the Harmony House, July 2014.

Service: Local

Family Medicine

Kevin S. McCann is a PROMOTE Committee Member, JCESOM, February 2015, and a health officer for the Medical Director Cabell Huntington Health Department, November 2014 - May 2015.

Internal Medicine

Mahmoud A. Shorman has served as a member of the Infection Control

Committee, St. Mary's Medical Clinic, PNT, Cabell Huntington Hospital, 2014.

Obstetrics & Gynecology

Amanda N. Pauley is a member of the Perinatal Team for Cabell Huntington Hospital, August 2014.

Orthopedic Surgery

John J. Jasko is a contributor for the Credentialing Committee, Cabell Huntington Hospital, July 2014 - June 2015, and a Marshall University Athletic Committee Member, July 2014 - June 2015

Meeting Presentations: National/International

Anatomy & Pathology

Darshana Shah. "Mentoring to make a difference." Invited lecture at Group for Research in Pathology Education (GRIPE) Leading the Way in Pathology Education, Tallahassee, FL, January 2015.

Darshana Shah, Magid MS, Harris I, Cambor C, Conran R, Kreisle R, Lin A, Peerschke E, Pessin M, Shinn D, Pillinger C. "Recommended Medical School Graduation Pathology Competencies National Survey Results." Invited lecture at Group for Research in Pathology Education (GRIPE) Annual Meeting, Tallahassee, FL, January 2015.

Ion G, **Maria A. Serrat**. "Validating the biological activity of fluorescently-labeled IGF1 for in vivo imaging." Poster presentation at Experimental Biology Meeting, Boston, MA, March 2015.

Kerby JC, Gray MX, Tamski HL, Heaberlin AA, Crow A, Ion G, **Maria A. Serrat**. "Heat-enhanced extremity lengthening is growth rate dependent." Oral presentation at Experimental Biology Meeting, Boston, MA, March 2015.

Maria A. Serrat, Ion G. "Imaging IGF-I uptake in growth plate cartilage using in vivo multiphoton microscopy." Oral presentation at Experimental Biology Meeting, Boston, MA, March 2015.

Tamski HL, **Maria A. Serrat**. "Infrared thermal imaging to collect quantitative surface temperatures from mice in unilateral limb heating study." Poster

presentation at Experimental Biology Meeting, Boston, MA, March 2015.

Maria A. Serrat. “Vascular and connective imaging in situ: returning bone to the skeleton.” Oral presentation at Experimental Biology Meeting, Boston, MA, March 2015.

Sasha N. Zill, Chadry S. “Force sensing and muscle synergies: integration of active substrate adherence in control of posture and walking in insects.” Poster presentation at Society for Neuroscience Meeting 2014, Washington, D.C., November 2014.

Biochemistry & Microbiology

James Denvir, Wei-ping Zeng, Don A. Primerano, Fan J. “A Quality-Control and Data Analysis Pipeline for Comparative Reduced Representation Bisulphite Sequencing.” Poster presentation at Rocky 2014 Bioinformatics Conference, Aspen/Snowmass, CO, December 2014.

Clinical and Translational Sciences

Palaniappan B, Subha Arthur, Uma Sundaram. “Protein Kinase G Mediated Regulation of Na-Glucose Co-Transport in Na: H Exchange Silenced Intestinal Epithelial Cells.” Poster presentation at American Gastroenterological Association-Digestive Diseases Weak, Chicago, IL, May 2014.

Subha Arthur, Uma Sundaram. “Inhibition of Basolateral Membrane Na/K-ATPase Uncouples Brush Border Membrane Neutral NaCl Absorption in Intestinal Epithelial Cells.” Poster presentation at American Gastroenterological Association-Digestive Diseases Weak, Chicago, IL, May 2014.

Singh S, Subha Arthur, Uma Sundaram. “Mechanism of Inhibition of Na-Glutamine Co-Transport by Prostaglandin E2 in Intestinal Epithelial Cells.” Poster presentation at American Gastroenterological Association-Digestive Diseases Weak, Chicago, IL, May 2014.

Family Medicine

Adam M. Franks. “Shortening Medical Education: An Accelerated Approach.”

Invited lecture at Council of Faculty and Academic Societies National Spring Meeting, San Diego, CA, March 2015.

Charles W. Clements, II. “Childbirth at 20,000 Feet,” “Cruise Medicine,” “Legal Aspects of Wilderness Medicine.” Oral presentations at WMS Wilderness Medicine Elective, Townsend, TN, February 2015.

Sangeeta Chandramahanti, Ayman H. Elkadry. “Graves’ Ophthalmopathy in Hashimoto’s Thyroiditis.” Poster presentation at Endocrine Society Meeting, San Diego, CA, March 2015.

Internal Medicine

Sangeeta Chandramahanti, Rodhan Khthir. “Recurrent Parathyroid Crisis from Primary Hyperparathyroidism.” Poster presentation at Endocrine Society Meeting, San Diego, CA, March 2015.

Wang C, Blough ER, Arvapalli R, Dai X, Muhammad M. Mahmood, Henry K. Driscoll, Rice M, Miaozong Wu. “Obesity-associated renal injury: role of endoplasmic reticulum stress and the protective effects of acetaminophen.” Poster presentation at the 60th Annual Conference of American Society for Artificial Internal Organs, Washington, DC, June 2014.

Todd W. Gress, Maria R. Tirona, Mohamed F. Alsharedi, Jennifer Dotson. “Standard of Care Four Doses of Dose Dense Paclitaxel in the Adjuvant Treatment of Breast Cancer has equal Toxicity Profile Compared to Weekly Paclitaxel.” Poster presentation at National Comprehensive Cancer Network 20th Annual Conference, Hollywood, FL, March 2015.

Jason Palmer Mader, Maen W. Kamal, Rezwan Ahmed, Yaser M. Rayyan. “Esophageal Hyperkeratosis and Multiple Esophageal Rings in a patient with Recurrent Dysphagia.” Abstract presentation at American College of Gastroenterology Annual Scientific Meeting; Philadelphia, PA, October 2014.

Office of Medical Education

Rajalingam P, Charles Gullo. “Team teaching: A conceptual Model for Teaching with Team-Based Learning.”

Poster presentation at 12th Asia Pacific Medical Education Conference (APMEC), Singapore, February 2015.

Orthopedic Surgery

Ali Oliashirazi. “Acetabular Options in THA,” “Computer-Assisted TKA,” “Painful TKA,” “Peiprosthetic Fractures,” “Surgical Approaches TKA,” “THA Templating,” “TKA Component Selection,” “TKA Ligament Balancing,” oral presentations at Orthopaedic Resident Course, DePuy Synthes, Chicago, IL, September 2014; “Practice Efficiency,” “Mobile Bearing TKA,” oral presentations at International Congress for Joint Replacement, Vail, Co, January 2014; “Art and Science of Ligament Balancing in TKA,” “Complications after THA,” “Periprosthetic Fractures,” oral presentations at International Congress for Joint Replacement, Atlanta, GA, April 2014; “Leadership,” “Practice Efficiency,” oral presentations at International Congress for Joint Replacement, Charleston, SC, May 2014.

Parvizi J, Wilson-Byrne T, Franklin D. Shuler, Ali Oliashirazi. “Patient-controlled Fentanyl Ionophoretic Transdermal System (Fentanyl ITS) Improved Post-operative Mobility Compared to Intravenous Patient-controlled Analgesia (IV PCA) Morphine: A Pooled Analysis of Randomized, Controlled Trials.” Poster presentation at American Academy of Pain Medicine’s 31st Annual Meeting, National Harbor, MD, March 2015.

Marlene DeMaio, John J. Jasko. “Foot and Ankle Injuries in the Athlete.” Oral presentation at American College of Sports Medicine Team Physician Course, San Antonio, TX, February 2015.

Jonathon K. Salava, Odum SM, Fehring TK, Springer BD. “Knee Arthroscopy in Patients Over 50: A Midlife Crisis?” Oral presentation at American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, March 2015.

Pediatrics

Aaron M. McGuffin. “Creating Universal Competencies in Medical Education,” oral presentation at Association of American Medical Colleges 2014, Chicago, IL, November 2014. “Integration

of Basic Science into the Clinical Years” and “Universal Competencies to Create a Universal Curriculum,” oral and poster presentations, respectively, at Group for Research in Pathology Education (GRPE) Annual Meeting 2015, Tallahassee, FL, January 2015.

Hayes R, **Aaron M. McGuffin**, **Jacob Kilgore**. “Universal Notes. The Future of Medical Education?” Poster presentation at Innovations in Medical Education Conference, Los Angeles, CA, February 2015.

Pharmacology, Physiology, & Toxicology

Ahmad T, Sabet S, Richards-Waugh L, **Gary O. Rankin**. “Role of CYP2B6 genetic polymorphisms in unexpected methadone fatality.” Poster presentation at American Academy of Forensic Sciences, Orlando, FL, February 2015.

Tate J, Racine CR, Vermudez, S, Tyree C, Ward D, Anestis D, **Gary O. Rankin**. “Role of renal bioactivation enzyme systems on 3,5-dichloronitrobenzene (3,5-DCNB) induced nephrotoxicity.” Poster presentation at Annual Society of Toxicology Meeting, San Diego, CA, March 2015.

Vermudez SA, Tate J, Anestis DK, Racine CR, Tyree C, Ward D, **Gary O. Rankin**. “Trichloronitrobenzene nephrotoxicity in isolated renal cortical cells (IRCC) from Fischer 344 rats.” Poster presentation at Annual Biomedical Research Conference for Minority Students, San Antonio, TX, November 2014.

Racine CR, Anestis D, Ball J, **Monica Valentovic**, **Gary O. Rankin**. “Oxidative stress induced following exposure to 3,5-dichloroaniline (3,5-DCA) in vitro; Role in nephrotoxicity.” Poster presentation at Annual Experimental Biology Meeting, Boston, MA, March 2015.

Racine CR, Anestis D, Ball J, **Monica Valentovic**, **Gary O. Rankin**. “Exploring the role of oxidative stress in 3,5-dichloroaniline (3,5-DCA) induced nephrotoxicity in vitro.” Poster presentation at Annual Society of Toxicology Meeting, San Diego, CA, March 2015.

Monica Valentovic, Ball JG, Murphy R, Lamyathong AB, Schnelle A. “Resveratrol Attenuates Cisplatin Cytotoxicity in HK-2 Cells: Effects on TNF alpha and oxidative stress.” Poster presentation at Annual Society of Toxicology Meeting, San Diego, CA, March 2015.

Tomblin J, Mehmi I, **Travis B. Salisbury**. “Pyrrolidine Dithiocarbamate, a Potent NFKappa-β Inhibitor, Induces Cell Cycle Dysregulation and Suppression of Autophagy in Triple-Negative Breast Cancer Cells.” Poster presentation at Experimental Biology Meeting, Boston, MA, March 2015.

Psychiatry

Teverovsky EG, **Todd M. Derreberry**, O’toole KA, Solai L, Swartz HA. “Bellefield Enhanced Supportive Team (BEST): Higher Level Outpatient Mental Health Care for Older Adults.” Poster presentation at American Association for Geriatric Psychiatry Annual Meeting, New Orleans, LA, March 2015.

Surgery

Lawrence M. Wyner. “Rare Geode-Type Bladder Stone Formation: A Case Study.” Poster presentation at Southern Medical Association’s Annual Scientific Assembly, Destin, FL, November 2014.

Multidisciplinary

Don A. Primerano (Biochemistry & Microbiology), **James Denvir** (Biochemistry & Microbiology), Fan J, Boskovic G, Parkman J, **Jung Han Kim** (Pharmacology, Physiology, & Toxicology). “Whole Genome Sequencing of the TALLYHO/Jng Mouse and Identification of Obesity Susceptibility Variants.” Poster presentation at Association of Biomolecular Resource Facilities, St. Louis, MO, March 2015.

Travis B. Salisbury (Pharmacology, Physiology, & Toxicology), **Don A. Primerano** (Biochemistry & Microbiology), Fan J, **James Denvir** (Biochemistry & Microbiology). “RNA-seq and bioinformatics reveals that TCDD-regulated genes are highly associated with glucocorticoid and progesterone signaling pathways in

human MCF7 breast cancer cells.” Poster presentation at Annual Society of the Study of Toxicology Meeting, San Diego, CA, March 2015.

Todd W. Gross (Internal Medicine), **Nalini Santanam** (Pharmacology, Physiology, & Toxicology). “Impact of technology-based intervention on biomarkers and microRNAs in patients with T2DM.” Invited lecture at International Conference on Recent Advances in Research and Treatment of Human Diseases and 4th Annual Meeting of Indian Academy of Biomedical Sciences, Hyderabad, India, January 2015.

Jesse N. Cottrell (Obstetrics & Gynecology), **Brenda L. Mitchell** (Obstetrics & Gynecology), **Anne M. Silvis** (Obstetrics & Gynecology), **Monica Valentovic** (Pharmacology, Physiology, & Toxicology). “Urban and Rural Differences in Prenatal Exposure to Essential and Toxic Elements.” Poster presentation at Society for Reproductive Investigation, San Francisco, CA, March 2015.

Miaozong Wu (Internal Medicine), Wang C, Arvapalli R, Dai X, **William Triest** (Anatomy & Pathology), **John W. Leidy, Jr.** (Internal Medicine), **Yanal Masannat** (Internal Medicine), Blough ER. “Acetaminophen Attenuates High Glucose-induced Oxidative Stress and Fibrogenesis in the Human Renal Mesangial Cells.” Poster presentation at the 60th Annual Conference of American Society for Artificial Internal Organs, Washington, DC, June 2014.

Yan Y, Shapiro AP, Malhotra D, Xie Z, **Nader G. Abraham** (Internal Medicine), **Joseph I. Shapiro** (Internal Medicine), **Jiang Liu** (Pharmacology, Physiology, & Toxicology). “Protein Carbonylation of the Na/K-ATPase α1 subunit dictates Na/K-ATPase signaling and Sodium Transport in renal proximal tubular cells.” Poster presentation at American Society of Nephrology Annual Meeting, Philadelphia PA, November 2014.

Drummond CA, **Jiang Liu** (Pharmacology, Physiology, & Toxicology), Shi H, Haller ST, Liu J, Xie Z, Cooper CJ, **Joseph I. Shapiro** (Internal Medicine), Tian J. “Inhibition of Na/K-ATPase Signaling Regulates Cardiac C-Kit Cell Expression in Mice

with Chronic Kidney Dysfunction." Poster presentation at AHA Scientific Meeting, 2014, Chicago, IL, November 2014.

Paul B. Ferguson (Neuroscience), Samir Shah, **Fahad K. Sheikh** (Internal Medicine). "Posterior Reversible Encephalopathy Syndrome Secondary to Serotonin Syndrome." Poster presentation at American Academy of Neurology, Washington, DC, March 2015.

Geronilla K, Makani A, Hayes R, VanHorn A, **Sean Loudin** (Pediatrics), Ferrari N, **Darshana Shah** (Anatomy & Pathology). "Reaching New Heights Together: How GHHS Chapters Can Maximize the Value of Common Purpose." Poster presentation at GHHS Biennial Conference, Atlanta, GA, October 2014.

Meeting Presentations: Regional/State

Anatomy & Pathology

Gray MX, **Maria A. Serrat**. "Protein labeling methods to study temperature effects on IGF-I delivery to growing mouse bones." Oral presentation at Undergraduate Research Day at the West Virginia Capitol, Charleston, WV, March 2015.

Maria A. Serrat. "Temperature enhanced bone elongation in growth plates." Poster presentation at University of Kentucky CTSA External Advisory Board Retreat, October 2014.

Biochemistry & Microbiology

Hunter CA, Miller-Lee JL, Koc H, **Emine C. Koc**. "c-Src Regulates Mitochondrial Translation by Elongation Factor Tu (mtEF-Tu) Phosphorylation." Poster presentation at ASCB Midwest Membrane Trafficking and Signaling Symposium, Louisville, KY, October 2014.

Emine C. Koc, Miller-Lee JL, Koc H. "Fyn Kinase is Associated with Mitochondrial Translation Components." Poster presentation at American Society for Cell Biology Midwest Membrane Trafficking and Signaling Symposium, Louisville, KY, October 2014.

Fischer AP, **Richard M. Niles**, **Sarah L. Miles**. "Inhibition of human melanoma hypoxia-inducible factor-1 stability and activity by ascorbic acid and derivatives."

Poster presentation at Appalachian Regional Cell Conference, Huntington, WV, November 2014.

Family Medicine

Mohammed I. Ranavaya. "Occupational COPD- It's not just caused by cigarette smoking." Invited lecture at West Virginia Summit on COPD 2015 Symposium, Roanoke, West Virginia, March 2015.

Orthopedic Surgery

Ali Oliashirazi. "The Shape of Things to Come." Presentation at 9th Annual Orthopaedic Conference, Huntington, WV, September 2014.

Milam O, Wahjudi P, **James B. Day**. "OrthSearch." Poster presentation at Undergraduate Research Day at the Capitol, Charleston, WV, March 2015.

Taj S, Wahjudi P, **James B. Day**. "Monitor." Poster presentation at Undergraduate Research Day at the Capitol, Charleston, WV, March 2015.

Pediatrics

Eduardo Pino. "Overview of Pediatric Trauma." Invited lecture at Holzer Medical Center Respiratory Symposium, Gallipolis, OH, October 2014.

Pharmacology, Physiology, & Toxicology

Ahmad T, Richards-Waugh L, Sabet S, **Gary O. Rankin**. "Contribution of CYP2B6 alleles in sudden death of methadone users: A CYP2B6 genetic polymorphism study." Poster presentation at Ohio Valley Society of Toxicology Meeting, Louisville, KY, September 2014.

Racine CR, Tate J, Vermudez S, Tyree C, Ward D, Anestis D, **Gary O. Rankin**. "Role of renal bioactivation enzyme systems on 3,5-dichloronitrobenzene (3,5-DCNB) induced nephrotoxicity in vitro." Poster presentation at Ohio Valley Society of Toxicology, Louisville, KY, September 2014.

Multidisciplinary

Jacob Kilgore (Med/Peds), **Christine L. Gilkerson** (Internal Medicine). "Bilateral Vision Loss in a Supratherapeutic INR Patient." Poster presentation at West Virginia State American College of

Physicians meeting, Roanoke, WV, October 2014.

Jesse N. Cottrell (Obstetrics & Gynecology), **Brenda L. Mitchell** (Obstetrics & Gynecology), **Monica Valentovic** (Pharmacology, Physiology, & Toxicology). "Variations in Umbilical Cord Vitamin D Levels as a function of Birth Month, Urban Status, Cotinine and Lead Levels." Oral presentation at West Virginia Rural Health Conference, Morgantown, WV, October 2014.

Meeting Presentations: Local

Family Medicine

Charles W. Clements, II. "Disaster Preparedness." Oral presentation at Cabell County Medical Society, Huntington, WV, March 2015.

Information Technology

Michael J. McCarthy, M.A., "HIPAA/HITECH Data Breaches." Oral presentation at Appalachian Institute for Digital Evidence, Marshall University, Huntington, WV, October 2014.

Orthopedic Surgery

Ali Oliashirazi. "Getting the BEST Care," oral presentation at Huntington's Kitchen, November 2014; "Looking Back," oral presentation at Cabell County Medical Society, January 2015; "On Medical Education of Patients," oral presentation at Cabell County Medical Society, September 2014; "Today's Healthcare," oral presentation at Women's Caucus, January 2014; "Total Joint Center," oral presentation at Joint Commission, December 2014; "Transforming Huntington Children's Museum," oral presentation at Cabell Huntington Hospital Board of Directors, May 2014; "Transforming Huntington," oral presentation at Cabell County Medical Society, January 2014; all in Huntington, WV.

Milestones and Achievements

Multidisciplinary

Kristeena Ray, winner of Basic Science Oral Presentation, with **Brenda L. Mitchell** (Obstetrics & Gynecology), **Nalini Santanam** (Pharmacology,

Physiology, & Toxicology). “Polycomb group and associated proteins as potential therapeutic targets for endometriosis.” 27th Annual Research Day, Marshall University, March 2014.

Brandon J. Smith, winner of Clinical Science Oral Presentation, Student Category, with **Todd W. Gress** (Internal Medicine), Yassin M, Hariri R, Ferrelli J, Bonilla H. “Impact of influenza vaccination on clinical outcomes of patients admitted in a university affiliated large medical center in Pittsburgh, Pennsylvania.” 27th Annual Research Day, Marshall University, March 2014.

A. Alison Roy, winner of Clinical Science Oral Presentation, Resident Category, with **Alison Hamilton** (Obstetrics & Gynecology), **Ryan Stone** (Obstetrics & Gynecology), **Anne M. Silvis** (Obstetrics & Gynecology), Richard-Waugh L. “Evaluating Buprenorphine Metabolism in Cord Blood from Neonates Born to Opiate Addicted Mothers as a Predictor of Neonatal Abstinence Syndrome in Rural Appalachia.” 27th Annual Research Day, Marshall University, March 2014.

Adam P. Fischer, winner of Basic Science Poster Presentation, with **Sarah L. Miles** (Biochemistry & Microbiology). “Normoxic accumulation and activity of HIF-1 is associated with ascorbic acid transporter expression and localization in human melanoma.” 27th Annual Research Day, Marshall University, March 2014.


Paul Viscuse, winner of Clinical Case Poster Presentation, Student Category, with **Jacob Kilgore** (Med/Peds), **Mark Mogul** (Pediatrics). “Fatigue, bruising, and weight loss in a teenage female with previously diagnosed thrombocytopenia.” 27th Annual Research Day, Marshall University, March 2014.

Zain Qazi, winner of Clinical Case Poster Presentation, Post-Graduate Category, with Odon R, Hamm J, **Franklin D. Shuler** (Orthopedic Surgery), **Felix Cheung** (Orthopedic Surgery) “Atypical Growth of an Osteochondroma in a 31 year old female.” 27th Annual Research Day, Marshall University, March 2014.

Maria Espiridion, winner of Clinical Science Poster Presentation, Student

Category, with Mulinti R, **Lynne J Goebel** (Internal Medicine), “The Medicare Annual Wellness Visit: Barriers and Patient Perceptions.” 27th Annual Research Day, Marshall University, March 2014.

Jared Brownfield, winner of Clinical Science Poster Presentation, Post-Graduate Category, with **Anne Silvis** (Obstetrics & Gynecology), **Ryan Stone** (Obstetrics & Gynecology), **Nalini Santanam** (Pharmacology, Physiology, & Toxicology), **David Jude** (Obstetrics & Gynecology). “Placental ADRB1 mRNA as a Potential Predictor of Outcome and Possible Therapeutic Target in High Risk Pregnancies.” 27th Annual Research Day, Marshall University, March 2014.



It is on record that when a young aspirant asked Faraday the secret of his success as a scientific investigator, he replied, “The secret is comprised in three words—Work, Finish, Publish.”

— Michael Faraday, (1872), pg.122,
by J. H. Gladstone

COMING UP!

Save the date for these professional development opportunities!

Scholarship Workshop

Dr. Ann Frye will be holding a *Publishing Educational Scholarship Workshop* for JCESOM faculty on July 15th, from 1:00 – 4:00 P.M., at the Byrd Center in Rooms 1020 & 1021. Please RSVP to rockel6@marshall.edu by July 6th.

A Presentation from Dr. Butch

Dr. Silpa Butch, Ph.D., professor and vice chair for research and Director of the Nebraska Center for Substance Abuse Research, will be coming to JCESOM July 22nd to present *NeuroAIDS: A Tango of HIV and the Host*.

Welcoming New Faculty

Meet and greet our new faculty at 5:00 P.M., August 19th, at the Guyan Golf & Country Club. All JCESOM faculty are welcome to attend!

Now Accepting Proposals

Proposals for the *2015 Tri-State Conference on Diversity and Inclusion* are now being accepted! The conference will be at Marshall University on Friday, September 11th, from 8:00 A.M. to 3:30 P.M. All workshops should be centered on the overarching theme of the conference, "Beyond Diversity." More information about the conference is available at www.tristatediversityandinclusion.com.

Hunks, Chunks & Bites

How to Get Your Writing Projects Planned So You Can Get Them Completed is coming to JCESOM! Meggin McIntosh, "The PhD of Productivity," will be leading the half-day workshop for everyone who has writing (and other) projects they want to complete. The program will be sponsored by the Textbook and Academic Authors Association (TAA) and is planned for mid-September.

A Visit From the ACGME

Dr. Eric Holmboe, Senior Vice President for Milestones Development and Evaluation, Accreditation Council for Graduate Medical Education (ACGME), is coming to JCESOM on October 6th to give a presentation on ACGME milestones and assessments.

Discussing Bias

On October 9th, **Shelvy Campbell, Ph.D.**, assistant dean of diversity, will be presenting "Could Unconscious Bias be holding you back?"

Quality & Safety Summit and Poster Presentation Day

The second annual *Quality & Safety Summit and Poster Presentation Day* will be on Friday, November 13th, from 9:00 A.M. to 2:30 P.M., in the MUMC Atrium. Dr. Robert Flora, director of medical education and designated institutional official at Providence Hospital, will be the guest speaker at noon.

SAVE THE DATE!

7 Steps of Quality Improvement
Thursday, November 12 from 5-7 p.m.



**Residents, Program Directors, Nurses,
Staff, Students, and
anyone interested in developing
Quality Improvement & Patient Safety Skills**

To register, call 304.691.1823
or e-mail gme@marshall.edu
Sponsored by Office of GME

CHH Board Room



For more information about any of these events, please contact the Office of Faculty Affairs & Professional Development at

304-691-8638.



PEN CONTACT INFORMATION

Publication of the Office of Faculty Affairs & Professional Development

Marshall University
Joan C. Edwards School of Medicine
1600 Medical Center Drive
Huntington, WV 25701

Leah C. Payne, M.A.J.
Director of Public Affairs
edwardl@marshall.edu

Darshana Shah, Ph.D.
Editor
Professor of Pathology
Associate Dean, Office of Faculty
Affairs & Professional Development
304*691*8638 | shah@marshall.edu

Rachel Thomas
Co-editor
pen@marshall.edu

April Morrison
Designer
amo.designs1@gmail.com