Faculty thrives in a culture of collaboration

JCESOM is nurturing a culture where collaboration is valued and achievement is recognized. The culture of collaboration promotes insights that are especially meaningful given the changing times in academia: maximizing time, talent and resources to create value in what we do.

This issue includes many examples of faculty whose multidisciplinary approaches are making an impact in education and research. The collaborative efforts go even beyond the papers and presentations found under the new “Multidisciplinary” headings. For example, in a new collaborative undertaking by the School of Medicine and Marshall’s Department of Theatre, trained theater students are serving as simulated patients, creating an effective learning environment for them and medical students alike. This integration of divergent disciplines is a creative path to improving educational instruction and quality.

It is inspiring to see the diversity of multidisciplinary already under way at our School of Medicine; perhaps as you read this issue of PEN you will see new opportunities for collaborating with your colleagues in future endeavors!

Darshana Shah

Awards & Honors

Biochemistry and Microbiology
Hongwei Yu has been reappointed to the editorial board of Infection and Immunity through 2013.

Family and Community Health
Dr. John Walden is a 2010 inductee into the City of Huntington Foundation’s Wall of Fame.

Internal Medicine
Abid Yaqub was elected a fellow of the American College of Endocrinology.

Shirley Neitch has been appointed to a three-year term on the Prestera Center Board of Directors.

Neuroscience
J. Douglas Miles was invited to be on the physician panel of the Virginia/West Virginia Chapter of the Myasthenia Gravis Foundation of America at its annual meeting in May 2010.

Pharmacology, Physiology and Toxicology
Richard Egleton was invited to the “Barriers of the CNS” Gordon Research Conference held June 20-25 at Colby-Sawyer College in New Hampshire.

Grant

Biochemistry and Microbiology
Elaine Hardman and Philippe Georgel have received a two-year, $781,000 grant from the Department of Defense Breast Cancer Research Program for a project evaluating maternal consumption of omega 3 fatty acids to reduce breast cancer risk in offspring.

Collaboration Undergirds New Research

“This research illustrates the importance of collaboration in modern research. Dr. Georgel has important skills and knowledge that I do not have, and vice versa. Together we can do far better than either alone.”

Elaine Hardman
Grant Review Activity

Biochemistry and Microbiology
Michael Moore was a scientist reviewer for the Congressionally Directed Medical Research Program, the Breast Cancer Research Program, the Postdoctoral Awards, the West Virginia IDeA Network of Biomedical Research Excellence, and the IDeA Extension Awards.

Richard Niles served as an ad hoc member of the Oncology Training Grant Study Section for the NIH.

Pharmacology, Physiology and Toxicology
Richard Egleton reviewed grant proposals for the American Heart Association.

Nalini Santanam was a study-section grant reviewer for the American Heart Association, Cardiovascular Committee 2B.

Gary Rankin is a member of the trichloroethlyene review panel for the Environmental Protection Agency.

Professional Milestones

Internal Medicine
Henry Driscoll was appointed permanent Section Chief of Endocrinology. He is a recipient of an endowed professorship, becoming the first Joseph M. Farrell, MD, Professor of Endocrinology.

Abid Yaqub received the American College of Endocrinology’s endocrine certification in neck ultrasound.

Neuroscience
J. Douglas Miles received certificates from the American Board of Psychiatry and Neurology and the American Board of Electrodiagnostic Medicine.

Committees

Anatomy and Pathology
Magdalena Muchlinski is on the Education Committee of the American Society of Primatologists.

Darshana Shah serves on the Professional Development Committee of the Association of American Medical Colleges Group on Faculty Affairs and on the Executive Committee of the Group for Research in Pathology Education.

Internal Medicine
Shirley Neitch participated in the West Virginia Long-Term Care Partnership in June as a member of the Health Status Subcommittee.

Neuroscience
J. Douglas Miles serves on the Medical Advisory Board of the Virginia/West Virginia Chapter of the Myasthenia Gravis Foundation of America.
Invited Presentations

Anatomy and Pathology
Magdalena Muchlinski made five invited presentations: The evolution of the primate gustatory system at the Department of Anatomy of Hunter College in New York City, The sensual side of ecology at the Brooklyn College Department of Anthropology, Touch and taste - a functional exploration into the primate sensory system at the University of Kentucky Department of Anatomy and Neurobiology, and The primate hand and Comparative analysis of the primate forelimb at the University of Texas at Austin’s Department of Anthropology.

Darshana Shah presented a workshop entitled Motivating your faculty: carrots over sticks with Amanda Termuhlen at the national meeting of the Association of American Medical Colleges Group on Faculty Affairs, and a session on the “Academy Collaborative” with Chris White at the AAMC Southern Group on Educational Affairs.

Biochemistry and Microbiology
Elaine Hardman gave an invited research presentation to the California Walnut Commission’s Scientific Advisory Council annual meeting in August and gave invited talks in June to the Korea-European, Union Omega 3 Symposium in Daejeon, Korea, and the Korean Association of Cancer Prevention Omega 3 Symposium in Seoul.

Dr. Niles gave an invited talk on HIF-1alpha and melanoma to the Mid West Biomedical Sciences Symposium, North Dakota State University, in May.

Pharmacology, Physiology and Toxicology

Gary Rankin was keynote speaker for the Undergraduate Research Day of Concord University’s McNair Scholars Program and gave an invited presentation on choosing a career path at the University of Charleston American Chemical Society Chapter.

Journal Reviewers

Biochemistry and Microbiology
Michael Moore: Breast Cancer Research and Treatment, Molecular and Cellular Biology, Journal of Thermal Biology, and Cell Biology International

Pharmacology, Physiology and Toxicology
Piyali Dasgupta: Molecular Cancer, Neoplasia, and Annals of Surgery

Lawrence Grover: Progress in Neuro-Psychopharmacology and Biological Psychiatry, European Neuropsychopharmacology, and Neuroscience

Peer Reviewed Publications

Multidisciplinary


Melinda Varney, James Buchanan, Yulia Dementieva, Elaine Hardman and Vincent Sollars. A high omega-3 fatty acid diet has different effects on early and late stage myeloid progenitors. Lipids (in press).


Anatomy and Pathology

Dave Raichlen, Adam Gordon, Magdalena Muchlinski and Josh Snodgrass. Exceptions prove the rule: residual variation in mammalian basal metabolism is explained by fractal models of blood supply. Journal of Comparative Physiology B.


Magdalena Muchlinski and Laurie Godfrey. Dietary niche separation in subfossil lemurs. Folia Primatologica.


Biochemistry and Microbiology


Internal Medicine


Mumtaz Zaman et al. Low inspiratory capacity to total lung capacity ratio is a risk factor for chronic obstructive pulmonary disease exacerbation. Accepted for publication in the American Journal of the Medical Sciences.

Continued on page 5
Women in Medicine and Science

A new program series, “Journeys to Leadership: Women’s stories of success,” was launched this fall with events featuring Dr. Gretchen Oley and Dr. Jan Fox.

The series creates a forum in which faculty can learn about professional development through hearing the career journeys of successful women. Each featured guest is a woman who has made a great impact in her leadership position.

Academy of Medical Educators

The Academy of Medical Educators is pleased to announce the candidates for its incoming class.

Faculty Applicants for Master Educator

School of Medicine

Wesam Bolkhir, Internal Medicine
Nizar Noureddine, Cardiology
Elsa I. Mangiarua, Pharmacology, Physiology and Toxicology
Sarah Price, Obstetrics and Gynecology
Doreen Griswold, Pathology

College of Health Professions

Eric Arnold, Exercise Physiology
Penny Kroll, Physical Therapy

Resident Applicants for Teaching Scholar

Mohammad Ebraheem, Pediatrics
Christopher Adams, Internal Medicine
Adrienne Mays, Family Medicine
Dana Eilen, Cardiology
Arun Manoharan, Internal Medicine
Amanda Pauley, Obstetrics and Gynecology
Hirad Hedayat, General Surgery
Sydnee McElroy, Family Medicine

Peer Reviewed Publications
(continued from page 4)


Neuroscience


Pharmacology, Physiology and Toxicology

Hyoun Kim, Taryn Stewart, Brantley Wyatt, Nalin Siriwardhana, Arnold Saxton and Jung Han Kim. Gene expression profiles of a mouse congenic strain carrying an obesity susceptibility QTL under obesigenic diets. Genes and Nutrition, 2009 (Epub date).


Brittany Greene, Carly Schuetz, Dianne Anestis and Gary Rankin. 3,4-Dichloronitronitrobenzene and 1,2,3-trichloro-5-nitrobenzene nephrotoxicity in isolated renal cortical cells from male Fischer 344 rats. Toxicologist. 2010;114(1), 174.
Meeting Presentations

**Multidisciplinary**


Sreevani Gollamudi, Todd Gress and Abid Yaqub. *Discriminating ability of various signs and symptoms of hypothyroidism to predict biochemical thyroid status in hypothyroid patients on levothyroxine replacement.* Presented at 92nd annual meeting of the Endocrine Society, June 2010, San Diego.


Nesreen BenHamed, Joan Viksjo, Wesam Bolkhir and Kelly Schrapp. *Improving the feedback process and medical student performance: an exploratory study.* Presented at meeting of the West Virginia Chapter, American College of Physicians.

**Surgery**
Frankie A. Puckett, MD Michael E. Kuglitsch, MD

**Internal Medicine**
Skip A. Nitardy, MD Yaser M. Rayyan, MD Elias Shattahi, MD Guillermo Madero, MD

**Psychiatry and Behavioral Medicine**
Julie Phenco, MD

New Faculty Members Welcomed

New faculty were welcomed Aug. 30 at a New Faculty Orientation event. Incoming faculty for the fall semester were:

**Pediatrics**
April E. Kilgore, MD Samantha Cook, MD Audra L. Pritt, MD Susan L. Flesher, MD

**Surgery**
Frankie A. Puckett, MD Michael E. Kuglitsch, MD

**Internal Medicine**
Yaser M. Rayyan, MD Elias Shattahi, MD Guillermo Madero, MD

**Psychiatry and Behavioral Medicine**
Julie Phenco, MD

Continued on page 7
Meeting Presentations (continued from page 6)

Family and Community Health
Kathleen O’Hanlon. **Minimally invasive aesthetic procedures: Botox, lasers and fillers.** Presented in April at the Family Medicine Weekend of the Florida Academy of Family Physicians.

**, Internal Medicine***
Mateen Hotiana and Abid Yaqub. **Systemic mastocytosis presenting as osteoporosis.** Presented at 92nd annual meeting of the Endocrine Society, June 2010, San Diego, Calif.

Shadi Obeidat and Mumtaz Zaman. **An elderly female with Lemierre’s syndrome.** Presented at the American College of Physicians Meeting in Toronto, Canada, in April 2010. (Also presented at Regional ACP Meeting in Huntington.)

Rajesh Sehgal, Courtney Krug, Maria Tirona, Alejandro Lorenzana, Peter Ottaviano and Todd Gress. **Mixed histology lung cancer - better or worse than pure histology lung cancer?** Poster presentation at the SLEEP 2010 24th Annual Meeting of the Associated Professional Sleep Societies, San Antonio, Texas.

Prasanna Santhanam, Henry Driscoll, Abid Yaqub and William Leidy. **Neck ultrasound in undetectable suppressed thyroglobulin in differentiated thyroid cancer.** Poster presentation at the 14th International Thyroid Congress, Paris.

Prasanna Santhanam and Sachin Bendre. **Central hypothyroidism in an infant with precocious puberty - a case report.** Poster presentation at the 14th International Thyroid Congress, Paris, France.

Sreevani Gollamudi. **Unusual presentation of basal cell carcinoma.** Poster presentation in both the residents’ poster session and the general poster session at the annual meeting of the American Geriatrics Society in Orlando, May 2010. (Shirley Neitch - faculty sponsor/mentor)

Mumtaz Zaman, Sarmad Chaudhry and Essam Mukhaiel. **Gender differences in hospitalizations based on office spirometry results in chronic obstructive pulmonary disease.** Abstract presented at the American College of Chest Physicians annual meeting, October 2010.

**Pharmacology, Physiology and Toxicology**
Jamie Lau, J.C. Harman, Kathleen Brown, Aaron Dom, Adam Buckley and Piyali Dasgupta. **Inhibition of acetylcholine signaling pathway suppresses the growth of human bronchioalveolar carcinomas.** Poster presentation at Flight Attendant Medical Research Institute Ninth Scientific Symposium 2010, Miami, Fla.


Jamie Lau, Kathleen Brown and Piyali Dasgupta. **Nicotine upregulates the expression of alpha-7-nicotinic receptors on human non small cell lung cancer cells via alpha-7nAChRs and protein kinase C sensitive mechanism.** Poster presentation at Experimental Biology 2010, Anaheim, Calif.

Jennifer Cooke, Lawrence Grover and William Holmes. **A role for GABAA autoreceptors in LTP induced by primed burst stimulation.** Poster presentation at the 2009 Annual Meeting of the Society for Neuroscience, Chicago, IL.

Travis Salisbury and Jennifer Marcinkiewicz. **The effects of in utero and lactational exposure to 2,3,7,8 - tetrachlorodibenzo-p-dioxin on ovarian aryl hydrocarbon receptor levels, aromatase activity and steroid biosynthesis by explanted ovarian follicles.** Presented at the 2010 Society of Toxicology meeting, Salt Lake City.

Kyhra Fullen, Jia Fei, Carla Cook and Nalini Santanam. **Linoleic acid and its oxidized form induce peroxisome proliferator-activated receptors in a time-dependent manner in vascular smooth muscle cells.** Presented at the Annual Biomedical Research Conference for Minority Students in Phoenix, Ariz., Nov. 2009.

Jia Fei, Carla Cook and Nalini Santanam. **MicroRNA 143 modulates senescence markers in abdominal fat preadipocytes from Fischer 344 X brown Norway hybrid rats.** Presented by Dr. Fei, postdoctoral fellow, at the 2010 Arteriosclerosis, Thrombosis and Vascular Biology Annual Conference in San Francisco.

Haitao Luo, Gary Rankin, Noelle Juliano, Ann Federoff, Bing-Hua Jiang and Yi Charlie Chen. **Kaempferol inhibits angiogenesis and tumorigenesis in ovarian cancer cells by regulating Akt, HIF, cMyc, p21 and ERa genes.** Presented at the 2010 American Association for Cancer Research Annual Meeting in Washington, D.C.

Gary Rankin, Brittany Greene, Carly Schuetz and Diane Anestis. **3,4-Dichloronitrobenzene and 1,2,3-trichloro-5-nitrobenze in vitro nephrotoxicity in isolated rat renal cortical cells.** Presented at the 2010 Experimental Biology meeting in Anaheim, Calif.
**Staff and Student Accomplishments**

Aaron Dom, a student in the Medical Sciences Program, received $2,500 from the NASA West Virginia Space Consortium for his grant proposal "Growth-inhibitory effects of capsaicin in human small cell lung cancer."

Kyhra Fullen, a Marshall undergraduate working with Nalini Santanam, received the FASEB MARC travel award to present her paper at the Annual Biomedical Research Conference for Minority Students in Phoenix, Ariz., in Nov. 2009.

Linda Eastham, graduate student in Dr. Niles’ lab, won a travel award to attend the Annual Pan American Pigment Cell Society meeting in Vancouver, B.C., in September. She presented a poster on her work involving AKAP12, retinoic acid and melanoma.

Amy Smith, assistant director of medical education and clinical skills coordinator, presented on the “One minute preceptor” at the WVRHEP and WVAHEC Faculty Development Conference in April. She also is secretary of the Education and Professional Development Committee of the Association of Standardized Patient Educators. Through that committee, she was involved in the presentation of a preconference workshop and a breakout session on using standardized patients at the ASPE annual conference in Baltimore. She participates in the group’s Core Curriculum Development Committee.

**Family and Community Health**

Stephen M. Petranay is professor and associate chairman for medical education of the Department of Family and Community Health. A native of Brooklyn, New York, he received his medical degree from Georgetown University and completed his residency training at the Virginia Commonwealth University Fairfax Family Medicine Program. He was introduced to Marshall when he practiced across the river in Chesapeake, Ohio, in the 1980s as part of a Public Health Service commitment. After returning east to a private practice in Connecticut, Dr. Petranay in 1989 joined the full-time faculty at Marshall, where he found the perfect environment to engage in his two professional passions: working with the underserved and teaching.

Dr. Petranay served as the family medicine residency director for 15 years through 2005, during which time he developed several innovative educational initiatives including the state’s first rural residency program at Lincoln County and the accelerated residency program. Most recently he, with Jennifer Plymale, developed the Paul Wesley Ambrose Health Policy Program, the nation’s first formal health policy track in a family medicine residency.

Dr. Petranay is medical director and board president for Ebenezer Medical Outreach, which provides health care services to the uninsured of our region. He has a special interest in medical ethics and the cultural perceptions of physicians in our society and is a peer reviewer for American Family Physician. He is actively involved in teaching medical students during all four years of their education, as well as residents in family medicine. He has been honored with several departmental and medical school awards for teaching excellence.

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