

# PROFESSIONAL ENHANCEMENT NEWSLETTER

*Keeping You Connected*

## 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 Prester 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.

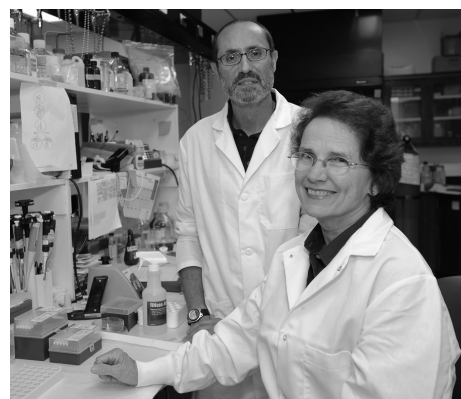
### Pharmacology, Physiology and Toxicology

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*

## Recent Appointments



**Dr. Joseph Werthammer**  
Senior Associate Dean  
for Clinical Affairs



**Dr. Todd Gress**  
Assistant Dean for  
Clinical Research



**Dr. David Jude**  
Interim Chair, Department of  
Obstetrics and Gynecology



**Dr. Linda Brown**  
Interim Chair, Department of  
Anatomy and Pathology

## 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 trichloroethylene 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.

### Neuroscience

J. Douglas Miles participated by invitation in the Distinguished Lecture Series of the American Association of Electrodiagnostic Technologists.

## Books and Book Chapters

### Anatomy and Pathology

Magdalena Muchlinski. **The ecology of touch: are prosimians special?** In: Masters J, Gamba M, Genin F, ed. *Leaping Ahead: Advances in Prosimian Biology*. New York: Springer (in press).

### Biochemistry and Microbiology

Elaine Hardman. **The influence of omega-3 PUFAs on chemo- or radiation therapy for cancer**. In: *Dietary Omega-3 Polyunsaturated Fatty Acids and Cancer*. Calviello, G. and Serini, S. editors, Springer. January 2010.

### Neuroscience

Toussaint Leclercq. **Treatment of thoracolumbar injuries**. In: *Essential practice of neurosurgery*, Kalangu, K. N., ed. Access Publishing Co. LTD. Nagoya, Japan.

J. Douglas Miles and M. L. Cohen. **Skeletal muscle and peripheral nerve disorders**. In: Prayson, R.A., ed. *Neuropathology*, 2nd Edition. Elsevier, Philadelphia (pending).

### Pediatrics

James Binder. **Pediatric interviewing: a practical relationship-based approach**. Humana Press.

### Pharmacology, Physiology and Toxicology

Brenda Dawley, Holly King, Carla Cook, Dennis Paul, Richard Egleton, Ana Murphy, Sampath Parthasarathy and Nalini Santanam (invited presenter).

**Non-enzymatically generated prostaglandin-like lipid oxidation products in the peritoneal fluid of women with endometriosis-alleged pain molecules**. International Conference on Advances in Free Radicals Research, Natural Products, Antioxidants and Radioprotectors in Health and ninth annual meeting of the Society for Free Radical Research, Hyderabad, India, Jan. 2010.

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*

Nalini Santanam: *Atherosclerosis*, *Journal of Medicinal Food*, *Free Radicals in Biology and Medicine*, and *Medicinal Research Reviews*.

## Peer Reviewed Publications

### Multidisciplinary

Abid Yaqub, Muhammad Choudhry, Jennifer Wheaton and Todd Gress. **A study of post-ablative hypothyroidism following radioactive iodine treatment of Graves' disease and toxic nodular goiter.** West Virginia Medical Journal (accepted).

Prasanna Santhanam, Bruce Chertow, Henry Driscoll, Todd Gress, Kevin Yingling and Feras El-Bash. **Higher recent A1C in diabetic patients with acute non-ST-elevation myocardial infarction as compared to other critical illnesses.** Diabetes Research and Clinical Practice.

Tracy Hendershot, Toussaint Leclercq and Peter Chirico. **Slit fracture through two adjacent cervical vertebrae: case report and review of the literature.** West Virginia Medical Journal, 2010;106(1): 25-28.

Kathleen Brown, Ted Witte, Elaine Hardman, Haitao Luo, Yi Charlie Chen, A. Betts Carpenter, Jamie Lau and Piyali Dasgupta. **Capsaicin displays anti-proliferative activity against human small cell lung cancer in cell culture and nude mice models via the E2F pathway.** PLoS ONE, 5(4):e10243, 2010.

Miaozong Wu, Bin Wang, Jia Fei, Nalini Santanam and Eric Blough. **Important roles of Akt/PkB signaling in aging process.** Frontiers in Bioscience. 2010;S2:1169-88.

Theodore Witte, Alexander Salazar, Oscar Ballester and Elaine Hardman. **RBC and WBC fatty acid composition following consumption of an omega 3 supplement: lessons for future clinical trials.** Lipids in health and disease. 2010 Mar 22;9:31.

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).

Sheri Dorsam, Emilie DeKrey, Rebecca Hermann, Jodie Haring, Travis Van der Steen, Erich Wilkerson, Goran Boskovic, James Denvir, Yulia Dementieva, Donald Primerano and Glenn Dorsam. **Identification of the early VIP-regulated transcriptome and its associated interactome in resting and activated murine CD4 T cells.** Molecular Immunology. 47:1181-1194.

### Anatomy and Pathology

Magdalena Muchlinski. **Ecological correlates of infraorbit foramen area in primates.** American Journal of Physical Anthropology. 2010. 141(1): 131-141.

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. **A comparative analysis of vibrissa count and infraorbital foramen area in primates and other mammals.** Journal of Human Evolution. 10.1016/j.jhevol;2010.01.012.

Magdalena Muchlinski. **Ecological and phylogenetic implications of infraorbital foramen size for adapoids, omomyoids, and plesiadapiforms.** Journal of Human Evolution (accepted).

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

Magdalena Muchlinski, Josh Snodgrass and Carl Terranova. **Causes and consequences of hypomuscularity in prosimians.** American Journal of Primatology.

### Biochemistry and Microbiology

Gabriela Ion, Juliana Akinsete and Elaine Hardman. **Maternal consumption of canola oil suppressed mammary gland**

**tumorigenesis in C3(1) TAg mice.** BMC Cancer. 2010 Mar 6;10(1):81. [Epub ahead of print].

Sarah Kelly, Altomare Di Benedetto, Adelaide Greco, Candace Howard, Vincent Sollars, Don Primerano, Jagan Valluri and Pier Paolo Claudio. **Rapid selection and proliferation of CD133(+) cells from cancer cell lines: chemotherapeutic implications.** PLoS One 5: e10035 (2010).

Heath Damron and Hongwei Yu. **Pseudomonas aeruginosa MucD regulates alginate pathway through activation of MucA degradation via MucP proteolytic activity.** Journal of Bacteriology (in press).

### Internal Medicine

Maria Tirona, Rajesh Sehgal and Oscar Ballester. **Prevention of breast cancer (part 1): epidemiology, risk factors and risk assessment tools.** Cancer Investigation. 2010 Aug;28(7):743-50.

Maria Tirona, Rajesh Sehgal and Oscar Ballester. **Prevention of breast cancer (part II): risk reduction strategies.** Cancer Investigation. 2010 Dec;28(10):1070-7. Epub 2010 Oct 11.

Majd Alnas, Abdullah Altayeh and Mumtaz Zaman. **Clinical course and outcome of cocaine-induced pneumomediastinum.** American Journal of the Medical Sciences. 2010;339(1): 65-67.

Shadi Obeidat, Shadi Badin and Imran Khawaja. **A new technique of deploying dynamic y-stent using flexible bronchoscope, video laryngoscope, and laryngeal mask airway.** Journal of Bronchology and Interventional Pulmonology. 2010; 17:171-173.

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*

**Peer Reviewed Publications***(continued from page 4)*

Tae Hoon Lee, Kenneth Vega and Joe Gerges El Khoury. **Ranitidine-induced hepatitis (letter)**. Journal of Gastrointestinal and Liver Disease.

Prasanna Santhanam, Saba Saleem and Tipu Saleem. **The diagnostic predicament of secondary adrenal insufficiency – a review article**. Endocrine Practice. 2010 May 3:1-17. [Epub ahead of print].

Prasanna Santhanam and Tipu Saleem. **Hip pain in a patient with surgical menopause and surgical hypoparathyroidism**. Endocrine Practice. 2010 Jun 21:1-5.[Epub ahead of print].

**Neuroscience**

Amer Alsheklee, Keivan Basiri and Douglas Miles, et al. **CIDP associated with tumor necrosis factor- $\alpha$  antagonists**. Muscle and Nerve. 2010;41(5):723-727.

Douglas Miles, Laurie McWilliams, Wendy Liu and David Preston. **Subarachnoid hemorrhage in Wegener granulomatosis: a case report and review of the literature**. CNS Spectrums.

Amer Alsheklee and Douglas Miles, et al. **Cranial vault plasmacytoma**

**presenting with hemorrhagic transient ischemic attacks**. Journal of Stroke and Cerebrovascular Diseases.

Michael Chernousov, Kelly Baylor, R.C. Stahl, Mark Stecker, L.Y. Sakai, S. Lee-Arteaga, F. Ramirez and David Carey. **Fibrillin-2 is dispensable for peripheral nerve development, myelination and regeneration**. Matrix Biology 2010.

Mark Stecker, Kelly Baylor and Matthew Stevenson. **In-vitro stability of peripheral nerve preparations: relation to ischemic responses**. Brain Research.

Matthew Stevenson, Kelly Baylor, Brett Netherton and Mark Stecker. **Electrical stimulation and electrode properties**. American Journal of Electroneurodiagnostic Technology.

**Pharmacology, Physiology and Toxicology**

Hyoung Yon 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).

Eunyoung Kim, Lawrence Grover, Don Bertolotti and Todd Green. **Growth hormone rescues hippocampal synaptic**

**function after sleep deprivation**.

American Journal of Physiology-Regulatory, Integrative and Comparative Physiology. 298: R 1596, 2010.

Mahdi Garelnabi, Emir Veledar, Jill White-Welkely, Nalini Santanam, William Weintraub and Sampath Parthasarathy. **Physical inactivity and cardiovascular risk: baseline observation from men and pre-menopausal women**. Journal of Clinical Laboratory Analysis. 2010;24(2): 100-5.

Sampath Parthasarathy, Achuthan Raghavamenon, Mahdi Garelnabi and Nalini Santanam. **Oxidized low-density lipoprotein**. Methods in Molecular Biology. 2010;610: 403-17.

Haitao Luo, Matthew Daddysman, Gary Rankin, Bing-Hua Jiang and Yi Charlie Chen. **Kaemperol enhances cisplatin's effect on ovarian cancer cells through promoting apoptosis caused by down regulation of cMyc**. Cancer Cell International. May 11, 2010.

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

**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 Bolkhair, 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

## Meeting Presentations

### Multidisciplinary

Mateen Hotiana, Abid Yaqub, Jennifer Wheaton, Ronald Stanek, Todd Gress and Yoram Elitsur. **Association of RBP-4 with BMI and waist circumference in obese children.** Presented at 92nd annual meeting of the Endocrine Society, June 2010, San Diego, Calif.

Samia Kanooz, Kanooz-ul-Qadir Chaudhry, Todd Gress and Abid Yaqub.

**Self-reported risk factors for bone loss: utility of a patient questionnaire completed at time of bone mineral density testing.** Presented at 92nd annual meeting of the Endocrine Society, June 2010, San Diego.

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.

Shadi Obeidat, Shad Badin, Todd Gress, Essam Mekhaieel, Pete Willims and Nancy Munn. **Does negative immediate post-procedure chest CT obviate the need for delayed chest x-ray in patients undergoing CT-guided needle lung biopsies?** Presented at the 2010 American Thoracic Society International Conference in New Orleans.

Kathleen Brown, Ted Witte, Elaine Hardman, Elsa Mangarua, Lawrence Grover, Richard Egleton and Piyali Dasgupta. **MG624, an  $\alpha 7$ -nicotine receptor antagonist, inhibits growth of human small cell lung cancer by induction of p73.** Selected for oral presentation at Experimental Biology 2010, Anaheim, Calif.

Piyali Dasgupta, Kathleen Brown, Ted Witte, Haitao Luo, Elaine Hardman and Yi

## 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

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

### Psychiatry and Behavioral Medicine

Julie Phenco, MD



Charlie Chen. **Capsaicin displays anti-proliferative activity of human small cell lung cancer via recruitment of E2F4 to downstream target genes.** Poster presentation at Experimental Biology 2010, Anaheim, CA.

Christopher Adams, Carla Cook, Todd Gress, Nepal Chowdhary, Edward Sedor, Arthur Mcunu, Paulette Wehner and Nalini Santanam. **Unique sex differences in epicardial fat biomarkers in patients with coronary artery disease - West Virginia Appalachian Heart Study.** Presented by Dr. Adams, an internal medicine resident, at the Arteriosclerosis, Thrombosis and Vascular Biology Annual Conference 2010 in San Francisco.

Yoram Elitsur, Joe Khoury and Karen Daniel. **Celiac disease increases in patients with irritable bowel syndrome – a community screen from West Virginia.** Poster presented at Digestive Disease Week 2010 in New Orleans.

Nesreen BenHamed, Joan Viksjo, Wesam Bolckhir and Kelly Schrupp. **Improving the**

**feedback process and medical student performance: an exploratory study.** Presented at meeting of the West Virginia Chapter, American College of Physicians.

### Anatomy and Pathology

Magdalena Muchlinski and Josh Snodgrass. **Causes and consequences of hypomuscularity in primates.** Podium talk, American Society of Primatologists.

Magdalena Muchlinski, Annie Burrows, Tim Smith and Laura Alport. **Variation in lingual fungiform papillae taste buds among primates.** Poster presentation, American Association of Physical Anthropology.

### Biochemistry and Microbiology

Aaron Holley and Michael Moore. **Progestins reduce expression of activating enhancer protein-2 $\gamma$  (AP-2 $\gamma$ , TFAP2C) in T47D human breast cancer cells.** Presented at the Keystone Symposium on Nuclear Receptors, Keystone, Colo., March 2010.

*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.)

Saif Mashaqi, Maurice Mufson and Imran Khawaja. **Gender difference and the severity of nocturnal oxygen desaturation in obese patients** Poster presentation at the SLEEP 2010 24th Annual Meeting of the Associated Professional Sleep Societies, San Antonio, Texas.

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 European Society of Medical Oncology, October 2010.

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. 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 Mekhaieel. **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.

Adam Buckley, Kathleen Brown, Aaron Dom, Donald Weller, Yashoni Shah, Richard Egleton and Piyali Dasgupta. **Nicotine stimulates retinal angiogenesis via A7-nicotinic receptor and matrix metalloproteinases (MMP)-mediated signaling pathway.** Poster presentation at Experimental Biology 2010, Anaheim, Calif.

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 GABA<sub>B</sub> 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 ERRA 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-nitrobenzene 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.

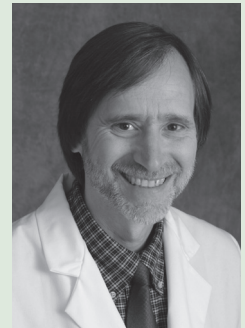
Amy Smith, assistant director of medical education and clinical skills coordinator, presented on the "One minute preceptor" at the WVRHEP and WVAHEC Faculty Development Conference in April. She also is secretary of the Education and Professional Development Committee of the Association of Standardized 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. Petrany 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. Petrany 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. Petrany 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. Petrany 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.

## CONTACT INFORMATION

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