Congratulations to our very productive faculty on their recent grants and contracts!

The Department of Radiation Oncology’s Preclinical Radiobiology Laboratory, led by Thomas MacVittie, PhD, professor, and Ann Farese, MT (ASCP), MS, MA, research associate, received a five-year $51,017,445 contract from Aeolus Pharmaceuticals, Inc. and the Biomedical Advanced Research and Development Authority (BARDA) of the U.S. Department of Health and Human Services to further develop and test one of their lead compounds (AEOL-10150) for the treatment of potentially fatal radiation-induced lung injury. The principal investigator of the study, Michael Garofalo, MD, assistant professor, Department of Radiation Oncology, will lead the development and testing of the drug, to include a pivotal trial designed to lead to FDA licensure. AEOL-10150 is a novel small-molecule catalytic antioxidant compound that reduces oxidative stress, inflammation and subsequent tissue damage signaling cascades consequent to radiation exposure. If FDA approved, the drug would be given as a part of treatment in the event of a radiation-based accident or attack and would be a candidate for testing in the phase I program of the Cancer Center toward reducing potential normal lung damage in cancer patients receiving radiation therapy to the thorax. There are currently no FDA-approved drugs with such an indication. The Preclinical Radiobiology Laboratory consists of approximately 20 talented and dedicated research and support staff, all of whom contribute significantly to the continued success of the group.

Edson X. Albuquerque, MD, PhD, professor, Department of Epidemiology & Public Health, received a four-year, $2.4 million, multi-PI R01 grant from the National Institute of Environmental Health Sciences for his work entitled “Neurotoxicity of Organophosphorus Pesticides in Developing Guinea Pigs.” Additionally, Dr. Albuquerque received a two-year $1.5 million grant from the Defense Threat Reduction Agency for “Galantamine and Anticonvulsants in the Treatment of Nerve Agent Toxicity.”

Jon Furuno, PhD, assistant professor, Department of Epidemiology & Public Health, received a two-year $560,417 grant from the Agency for Healthcare Research and Quality for “Using Nursing Home Antibiotic Stewardship Programs to Improve Antimicrobial Prescribing and Delivery.”

Lawrence Goldman, PhD, professor emeritus, Department of Physiology, received a US Patent (11/687,635 filed 03/17/2007) entitled “Techniques for Determining the Effects on a System of a Component that has Four States.”

Anthony Harris, MD, MPH, professor, Department of Epidemiology & Public Health, was awarded a four-year $625,000 R01 renewal from the National Institute of Allergy and Infectious Diseases for “Epidemiology of Emerging Pathogens among Hospitalized Patients.”
We applaud our colleagues on their recent appointments!

- **Bryan T. Ambro, MD, MS**, assistant professor, Department of Otorhinolaryngology-Head and Neck Surgery, is the current president of the Maryland State Society of Otolaryngology and was interviewed by the *Bulletin*, the national monthly publication for American Academy of Otolaryngology—HNS.

- **Andrew N. Pollak, MD**, professor, Department of Orthopaedics, and head, Division of Orthopaedic Traumatology, became president of the Orthopaedic Trauma Association (OTA) on February 20, 2011. The OTA is the world’s leading organization of orthopaedic trauma specialists, representing more than 1,200 surgeons and scientists committed to improving the care of musculoskeletal injury. In addition, Dr. Pollak was elected to the Board of Directors of the American Academy of Orthopaedic Surgeons (AAOS) at its 2011 Annual Meeting in San Diego. Dr. Pollak will serve the AAOS as treasurer-elect and will assume the position of treasurer in 2012.

- **Edward A. Sausville, MD, PhD**, professor, Department of Medicine and Program in Oncology, has been named an editor-in-chief of the journal *Cancer Chemotherapy and Pharmacology*. Dr. Sausville is also associate director for Clinical Research at the University of Maryland Marlene and Stewart Greenebaum Cancer Center.

**Grants & Contracts continued**

- **Jay Magaziner, PhD, MSHyg**, professor and chair, Department of Epidemiology & Public Health, received a five-year $11,843,303 grant from the National Institutes of Health for “Community Ambulation following Hip Fracture.”

- **Istvan Merchenthaler, MD, PhD, DSc**, professor, Department of Epidemiology & Public Health, received a one-year $100,278 grant from Maryland Industrial Partnerships for “Hormone Normalization Therapy: Fertamex to Prevent Egg Fertility.”

- **Mary Claire Roghmann, MD, MS**, professor, Department of Epidemiology & Public Health, received a three-year $890,619 renewal of a Clinical Research Curriculum Award from the National Center for Research Resources.

- **Sheelu Varghese, PhD**, research associate, Department of Surgery and Program in Oncology, received a two-year $100,000 grant from the Mesothelioma Applied Research Foundation for “Pre-Clinical Development of a Novel Therapy for Malignant Peritoneal Mesothelioma.”

- **Tonya Webb, PhD**, assistant professor, Department of Microbiology & Immunology, received a one-year $30,000 grant from the American Cancer Society for her work entitled “Role of GD3 on NKT Cell-Mediated Immune Responses to Breast Cancer.”

**Appointments**

- **Bryan T. Ambro, MD, MS**
- **Andrew N. Pollak, MD**
- **Edward A. Sausville, MD, PhD**
Hats off to those who have been published!

► Dawn Alley, PhD, assistant professor, Department of Epidemiology & Public Health, co-published “Adipocytokines and the Metabolic Syndrome among Older Persons with and without Obesity—the InCHIANTI Study” in Clinical Endocrinology, 73:55-65.

► Mona Baumgarten, PhD, associate professor, Denise Orwig, PhD, assistant professor, William Hawkes, PhD, assistant professor, Patricia Langenberg, PhD, professor, Michelle Shardell, PhD, assistant professor, and Jay Magaziner, PhD, MSHyg, professor and chair, all from the Department of Epidemiology & Public Health, co-published “Use of Pressure-Redistributing Support Surfaces among Elderly Hip Fracture Patients across the Continuum of Care: Adherence to Pressure Ulcer Prevention Guidelines” in Gerontologist, 2010;50(2):253-262.

► Elisa Braver, PhD, adjunct associate professor, and Michelle Shardell, PhD, assistant professor, both from the Department of Epidemiology & Public Health, co-published “How Have Changes in Air Bag Designs Affected Frontal Crash Mortality?” in the July 2010 issue of Annals of Epidemiology, 20(7):499-510.


► Andreas de Biasi, MSIV, along with Lynn Stansbury, general associate, Trauma Research CORE, Richard Dutton, MD, MBA, clinical professor, Department of Anesthesiology, Deborah Stein, MD, MPH, associate professor, and Thomas Scala, MD, professor, both from the Department of Surgery, and John Hess, MD, MPH, professor, Department of Pathology, co-authored an original paper entitled “Blood Product Use in Trauma Resuscitation: Plasma Deficit Versus Plasma Ratio as Predictors of Mortality in Trauma.” This article was accepted for publication in Transfusion.

► Marcus C. Chibucos, PhD, bioinformatics analyst, Institute for Genome Sciences, co-authored a paper entitled “Signatures of Adaptation to Obligate Biotrophy in the Hyaloperonospora arabidopsis Genome,” in Science, December 10, 2010; Vol. 330 no. 6010 pp. 1549-1551

► Svetlana Chapoval, MD, PhD, assistant professor, and Achsah Keegan, PhD, professor, both from the Department of Microbiology & Immunology, Center for Vascular and Inflammatory Diseases and Program in Oncology, co-published an article entitled “STAT6 Expression in Multiple Cell Types Mediates the Cooperative Development of Allergic Airway Disease” in the February 15, 2011, issue of the Journal of Immunology, 186:2571-2583. Co-authors include Michael Lipsky, PhD, professor, and Louis DeTolla, VMD, PhD, professor, both from the Department of Pathology, Preeta Dasgupta, graduate research assistant II in the GPILS Molecular Microbiology & Immunology Program, and Elizabeth Smith, research supervisor, Center for Vascular and Inflammatory Diseases.


► Rebecca M. Brotman-Miller, PhD, MPH

► Mona Baumgarten, PhD

► John W. Cole, MD, MS

► Achsah Keegan, PhD

► Svetlana Chapoval, MD, PhD

► Samer El-Kamary, MB, ChB, MPH


Jacek Mamczarz, PhD, research associate professor, Edna Pereira, PhD, assistant professor, and Edson X. Albuquerque, MD, PhD, professor, all from the Department of Epidemiology & Public Health, co-published “An Acute Exposure to a Sub-Lethal Dose of Soman Triggers Anxiety-Related Behavior in Guinea Pigs: Interactions with Acute Restraint” in the January issue of *Neurotoxicology* 2011;31(1):77-84.

Ram Miller, MD, CM, assistant professor, Michelle Shardell, PhD, assistant professor, Patricia Langenberg, PhD, professor, and Jay Magaziner, PhD, MSHyg, professor and chair, all from the Department of Epidemiology & Public Health, co-published “Pattern-Mixture Models for Analyzing Normal Outcome Data with Proxy Respondents” in *Statistics in Medicine*, 2010;29(14):1522-1538.

Kamal Moudgil, MD, PhD, professor, Departments of Microbiology & Immunology and Medicine, co-published an article entitled “Interleukin-27 and Interferon-Gamma are Involved in Regulation of Autoimmune Arthritis” in the *Journal of Biological Chemistry*, 2011, 286(4): 2817-25.

Daniel Morgan, MD, assistant professor, Anthony Harris, MD, MPH, professor, Jon Furuno, PhD, assistant professor, and Kerri Thom, MD, assistant professor, all of the Department of Epidemiology & Public Health, co-published “Frequent Multidrug-Resistant Acinetobacter baumannii Contamination of Gloves, Gowns and Hands of Healthcare Workers” in *Infection Control and Hospital Epidemiology*, 31(7):716-721.
Congratulations to the following who have received honors!

- **William Keller, MD**, resident, Department of Psychiatry, is the recipient of the 2011 Clinical Trials Psychiatric Research Fellowship Award from the American Psychiatric Association (APA). Dr. Keller will receive the award during a formal presentation at the APA's annual meeting in Honolulu, Hawaii, in May 2011. Only one outstanding resident is chosen for this fellowship, which provides protected time for research and $45,000. Dr. Keller also works in the Maryland Psychiatric Research Center.

- **Wendy Sanders, MA**, assistant dean for Research Career Development in the Office for Research and Graduate Studies, competed in a major adult figure skating championship as a fund raiser for the Juvenile Diabetes Research Foundation (JDRF). Wendy competed in one of the country's three sectional competitions, the Easterns, which drew skaters ages 25 and up from across the Eastern seaboard. The competition was held on February 26, 2011, in Pittsburgh, where Wendy won the Silver Medal in her group—Adult Bronze Women. Wendy raised $4,000 for JDRF, and is still receiving pledges at www.jdrfmd.org.

- **Jyes Uqerubin, MSIII**, received a student fellowship from the Foundation of the Consortium of Multiple Sclerosis Centers to work on a project entitled *Vitamin D and Regulatory T Cells in Multiple Sclerosis*. Jyes works with **Walter Royal, MD**, associate professor, Department of Neurology.

- The **University of Maryland School of Medicine**'s web design won a gold medal at the 26th Annual Educational Advertising Awards. The Educational Advertising Awards is the largest educational advertising awards competition in the country. This year, over 2,500 entries were received from more than one thousand colleges, universities and secondary schools from all fifty states and several foreign countries. Awards and certificates were given to those entrants whose programs and materials display exceptional quality, creativity and message effectiveness.
Mary Bollinger, DO, associate professor, Department of Pediatrics, presented an abstract at the European Respiratory Society meeting in Barcelona, Spain, in September 2010. The title of Dr. Bollinger’s abstract was “Factors Impacting Asthma Control in Underserved Children in the Baltimore Breathmobile® Program.”

France Carrier, PhD, associate professor, Department of Radiation Oncology and Program in Oncology, was invited to participate in a panel discussion and give a talk entitled “Exploiting an Unexpected Value of PCR-Technology to Predict Anticancer Drugs Efficiency” at the Biomarker Assay Development Meeting, which was organized by the Cambridge Healthtech Institute and held in San Diego in February 2011.

Mark Eppinger, PhD, research associate, Department of Microbiology & Immunology and Institute for Genome Sciences, was an invited speaker at the 5th International Genome Conference organized by the Beijing Genome Institute in Shenzhen, China, in November 2010. His lecture was entitled “Genomic Anatomy of Escherichia coli O157:H7 Outbreaks.”

Ricardo A. Feldman, PhD, associate professor, Department of Microbiology & Immunology, gave an invited talk entitled “Generation of Patient-Specific Induced Pluripotent Stem Cells for Modeling and Treating Gaucher Disease” at the 14th US-Japan Cellular and Gene Therapy Conference on Induced Pluripotent Stem Cells (iPS): Derivation and Characterization, held at the National Institutes of Health in Bethesda in February 2011.

Kudos to our colleagues who are experts in their fields and give their all to represent the School of Medicine!

Benjamin J. Lawner, DO, EMT-P, clinical assistant professor, Department of Emergency Medicine, and Richard Lichenstein, MD, associate professor and director of pediatric emergency medicine research, Department of Pediatrics, presented a lecture entitled “A Little Wheezer,” about the diagnosis and management of asthma and wheezing in infants and children, at Winterfest EMS 2011. The event, an educational conference for prehospital care providers, was held on Tilghman Island in January 2011. In addition, Dr. Lawner was an invited speaker at this year’s annual conference of the National Collegiate EMS Foundation, which was held in Philadelphia in March 2011. His lectures were entitled “Asthma and Anaphylaxis: Beyond Bronchodilation” and “EMS Mythology.” Dr. Lawner also was a member of an expert panel that discussed controversies in pre-hospital care and he participated in the planning and presentation of an EMS skills competition, which included a mock multiple casualty incident.


William J. Weiner, MD, professor and chair, Department of Neurology, presented “Impulse Control Disorders in Parkinson’s Disease” at the 15th Annual Brain/Behavior Conference at Tulane University in New Orleans. Additionally at the same conference, Lisa M. Shulman, MD, professor, Department of Neurology, presented “Management of Psychosis in Parkinson’s Disease.”
Elizabeth (Lisa) Kimbrough, PhD, MPH, assistant professor, Center for Integrative Medicine, died of brain cancer on January 3, 2011. Nationally and internationally, Dr. Kimbrough earned a reputation as a leader in research of mind/body medicine.

From 1991 until her untimely death at the age of 53, she authored and co-authored more than 75 publications and in 2008–2009 she served on the review panel of five peer-reviewed journals. Prior to her death, her research projects included studying the effectiveness of Mindfulness-based Stress Reduction (MBSR) and meditation to help childhood abuse survivors, persons suffering from depression, and severe rheumatoid arthritis. She worked closely with Brian Berman, MD, professor Department of Family & Community Medicine, and director, Center for Integrative Medicine, to develop a collaborative relationship with the Chinese University of Hong Kong.

In recognition of her research, Dr. Kimbrough received many awards, including the Francisco J. Varela Memorial Grant Award from the Mind and Life Institute and the George Family Foundation New Researcher Award.

From the late 1980’s until the early 2000’s she studied epidemiological issues in Nepal. She assisted with studies conducted by the United States Agency for International Development and Johns Hopkins University such as the prevention of malnutrition, the impact of maternal supplementation on early infant mortality rates and the impact of Vitamin A supplementation on childhood mortality and morbidity in Nepal.

Dr. Berman said, “Lisa influenced everyone in the Center for Integrative Medicine as an example of a dedicated researcher who knew how to balance her professional career with her personal life as a wife and mother. Her circle of friends spanned the globe. A testament to her life was the hundreds of messages she received from colleagues and friends on her Caring Bridge website. In addition, our staff volunteered 24-hour support with her homecare until she went to Nepal where she passed away.”

A memorial service for Dr. Kimbrough was held in February in Charleston, West Virginia.

In Memoriam

In the News

Lisa B. Dixon, MD, professor, Department of Psychiatry, was part of a roundtable discussion on the January 12, 2011, edition of National Public Radio’s Diane Rehm Show with several other experts, including Pete Earley, author of Crazy: A Father’s Search through America’s Mental Health Madness. In the wake of the Tucson, Arizona shootings on January 8 2011, they discussed young people who suffer from severe mental illness.

Claire Fraser-Liggett, PhD, professor, Departments of Medicine and Microbiology & Immunology, and director, Institute for Genome Sciences, and Lori McKay, senior administrator, Institute for Genome Sciences, were interviewed by Genome Web Daily News on December 29, 2010. The article was entitled “IGS Agenda for 2011 Includes New PacBio Platform, Microbiome Effort” and discusses the delivery of a new Pacific Biosciences single-molecule, real-time sequencing platform, existing and future projects, enhancing the computational structure and hiring additional faculty with a specialization in bioinformatics and/or cancer genomics.

Jon Mark Hirshon, MD, MPH, associate professor in the Departments of Emergency Medicine and Epidemiology & Public Health, was interviewed by MedPageToday/ABC News regarding the NIH-sponsored Sequential Trauma Educational Programs (STEPS) that he developed in conjunction with Egyptian physicians. Skills acquired through STEPS, a collaboration of Ain Shams University in Cairo and the National Study Center for Trauma and Emergency Medical Systems at the University of Maryland, were used by program graduates at Ain Shams and Alexandria Universities in their assessment and treatment of hundreds of patients with blunt and penetrating trauma sustained during the recent political uprising.

Anthony F. Lehman, MD, MSPH, professor and chair, Department of Psychiatry, participated in a discussion regarding mental health with PBS News correspondent Gwen Ifill, on the January 11, 2011, edition of PBS NewsHour. Dr. Lehman was one of three experts interviewed about Jared Loughner, the man responsible for the January 8, 2011, shootings in Tuscon, Arizona.
We welcome our new faculty!

Syed Ashfaq Hasan, MD, joined the Department of Orthopaedics as an associate professor in September 2010. Dr. Hasan will also serve as chief of the department’s shoulder and elbow service. Previously at the University of Arkansas for Medical Sciences in Little Rock, where he developed and directed a shoulder and elbow service, Dr. Hasan received his BS degree from the State University of New York and his MS and MD degrees from Georgetown University. He completed his internship in general surgery and his residency in orthopaedic surgery at Washington University School of Medicine. He also completed a fellowship in arthroscopy and reconstruction in Northern Virginia and a fellowship in shoulder and elbow surgery at the University of Pennsylvania.

Karen Lammers, PhD, joined the Department of Pediatrics as a research associate in November 2010. Dr. Lammers will work with the Mucosal Biology Research Center.

Many thanks to the following people who serve as your liaisons for the information you see in What’s the Buzz? Please send information (within the realm of the categories listed above) that you would like to see in the Buzz to the appropriate person within your department, program, center or office.

Anatomy & Neurobiology: Carolyn Craighead
Anesthesiology: Betsy Burcham
Biochemistry & Molecular Biology: Bruce Reinecke
Dermatology: Betsy Satosky
Diagnostic Radiology & Nuclear Medicine: Nan Knight
Emergency Medicine: Linda Kesselring
Epidemiology & Preventive Medicine: Yimei Wu
Family & Community Medicine: Karen Webster
Medical & Research Technology: Cynthia Stambach
Medicine: Molly Lutz
Microbiology & Immunology: Teri Robinson
Neurology: Paula Gilley
Neurosurgery: Terry Roberts
Obstetrics, Gynecology & Reproductive Sciences: Robin Kissinger
Ophthalmology: Nancy Cook
Orthopaedics: Don Kelly
Otorhinolaryngology: Bryan Ambro
Pathology: Carmen White
Pediatrics: Christina Wills
Pharmacology & Experimental Therapeutics: Anne Nourse
Physical Therapy & Rehabilitation Science: Krista Nazmirolu
Physiology: Ken Fahnstock
Psychiatry: Vee Porter-Brown
Radiation Oncology: Jill Rosenberg
Surgery: Daniel Zhu
Program in Comparative Medicine: Deborah Sarnacki
Program in Genetics & Genomic Medicine: Pam Shinnick
Program in Minority Health & Health Disparities: Maurice Walker
Program in Neuroscience: Tom McGough
Program in Oncology: Stephen Long
Program in Trauma: Cynthia Rivers
Center for Health Policy & Health Services Research: Maurice Walker
Center for Integrative Medicine: Harry Bok
Center for Mucosal Biology Research or MBRC: Pam King
Center for Research on Aging: Kara Longo
Center for Shock, Trauma and Anesthesiology Research or STAR-ORC: Jane Anderson
Center for Stem Cell Biology & Regenerative Medicine: Lafiandi Flowers
Center for Vaccine Development: Gloria Smedley
Center for Vascular & Inflammatory Diseases: Vanessa Foreman
Institute for Autoimmunity and Inflammation: Susie Flaherty
Institute for Genome Sciences: Renée Nathaniel
Institute of Human Virology: Nora Grannell
MD/PhD Program: Jane Bacon
Office of Admissions: Mickey Foxwell
Office of Development: Emily Cooke
Office of Faculty Affairs & Professional Development: Robertha Simpson
Office of Information Services: Jim McNamee
Office of Policy & Planning: Maurice Walker
Office of Public Affairs: Heather Graham Phelps
Office of Research Career Development: Stacie Small Mendoza
Office of Research & Graduate Studies: Tom Hoover
Office of Student Affairs: Dawn Roberts
Office of Student Research: Jordan Warnick

Save the Date

Council of Science Editors, 2011 Annual Meeting
Hilton Baltimore, 401 West Pratt Street
April 29–May 3, 2011

“Making Science Matter”

Scientific advances are transforming our world at an incredible pace. These advances touch our daily lives whether we are tending to our health, traveling, cooking, using computers, or talking on the phone. Scientific publications are pivotal in the communication of scientific advances to scientists and the public. This year’s CSE annual meeting will address the essential role of science editors in communicating the significance of science in our rapidly evolving world.

The program includes a short course for journal editors and workshops on various topics within scientific publishing.

Featured Speakers:
John Whyte, MD – Discovery Channel
Darlene Cavalier – The Science Cheerleader
Keith A. Baggerly, PhD – Forensic Bioinformatics

CSE is a network of journal editors, managing editors, copyeditors, and publishers. The complete conference program is posted at www.councilscienceeditors.org.

Attention all SOM Medical, Allied Health and Graduate Students!

Buzz Information Link for Students

A hyperlink is available on the School of Medicine Website for you to submit information to the Buzz to acknowledge honors, prizes, presentations, leadership positions and other noteworthy accomplishments. Go to: http://medschool.umaryland.edu/Public_Affairs/buzz.asp

the buzz