Congratulations to the following CMP Trainers who have been in the UW Madison, School of Medicine and Public Health News over the last 6 months.

Fotis Asimakopolous, MB, BChir, PhD, received a grant of $792,000 over four years to study the role of macrophages in helping multiple myeloma cells escape chemotherapy. [Read more here]

Dr. Craig Atwood, PhD, Women with Alzheimer’s disease showed stable cognition for a year when a drug that is more commonly used to treat advanced prostate cancer was added to their drug regimen, according to a new study from researchers at the University of Wisconsin-Madison. [Read more here]

Barbara Bendlin, PhD, looks at brain white matter, a region that supports the transmission of nerve signals across different brain centers. [Read more here]

Emery Bresnick, PhD, Using big data and state-of-the-art gene editing techniques, a team of University of Wisconsin-Madison researchers have identified dozens of genes they believe regulate blood cell development and function. [Read more here]

Ian Duncan, BVMS, PhD, a professor of neurology at the University of Wisconsin-Madison School of Veterinary Medicine and a world leader in the study of myelin disorders of the central nervous system, has received the 2015 Lifetime Excellence in Research Award from the American Veterinary Medical Association (AVMA).

Marina Emborg, MD, PhD is the new president-elect of the American Society of Neural Therapy and Repair. (ASNTR).

David Evans, PhD receives a $3.8 million grant to study antibody-mediated suppression of HIV-1 replication awarded by the National Institutes of Health.

James Gern, MD, April 2015 Researchers at University of Wisconsin School of Medicine and Public Health (SMPH) have made a key discovery about a cold-causing virus that is strongly associated with severe asthma attacks. [Read more here]
**Trainer and Student NEWS**

**John Kuo, MD, PhD** - Scientists at the University of Wisconsin Carbone Cancer Center (UWCCC) have identified two new fluorescent tumor-targeting agents that seek and light up brain cancer cells, and their potential for use during cancer surgeries. [Read more here]

**Aparna Lakkaraju, PhD** - A team of researchers based at the University of Wisconsin-Madison will receive a four-year, $250,000 Catalyst Award grant from Research to Prevent Blindness (RPB), in partnership with the International Retinal Research Foundation, to advance stem cell research to treat vision loss from age-related macular degeneration (AMD). [Read more here]

**Peter Lewis, PhD** - assistant professor of biomolecular chemistry at the University of Wisconsin School of Medicine and Public Health, has earned funding and a prestigious honor from the Greater Milwaukee Foundation. [Read more here]

**Ricardo Lloyd, MD, PhD** - Congratulations to Dr. Ricardo Lloyd who was selected to present the 57th Maude Abbott Lecture at the United States and Canadian Academy of Pathology (USCAP) 2015 annual meeting. This prestigious distinction honors Dr. Lloyd’s many seminal and sustained contributions to the field of pathology.

**Albee Messing, VMD, PhD** - A University of Wisconsin-Madison professor of comparative biosciences and an international leader in research on Alexander disease, has been named director of the Waisman Center, UW-Madison School of Medicine and Public Health.

**Dave O’Connor, PhD** - Receives New R01 Grant Professor Dave O’Connor recently received a $2.83M grant from the NIH National Institute of Allergy and Infectious Diseases. The 4-year grant proposes to study how an enigmatic RNA virus (GB virus C) reduces immune activation and prolongs survival of individuals infected with HIV.

**Shelby O’Connor, PhD** - Congratulations to Shelby O’Connor, PhD, who received a 5-year NIAID sub-award for a collaboration with researchers at the University of Pittsburgh School of Medicine. The research is being conducted with Charles Scanga, PhD (PI) and Joanne Flynn, PhD, both in the Department of Microbiology and Molecular Genetics at Pitt. Their work examines how a pre-existing HIV infection interferes with the development of a protective immune response to Mycobacterium tuberculosis (MtB), the pathogenic bacteria that causes 9 million cases of active tuberculosis (TB) each year. The research group will also examine whether a novel TB vaccine intervention can boost cellular immunity to MtB and prevent the development of active TB.

**Peter Lewis, PhD** - Congratulations to Peter Lewis for his selection as a 2016 Kimmel Scholar! The Sidney Kimmel Foundation for Cancer Research funds the Kimmel Scholars Program, which each year, through a distinguished medical board of advisors, provides research grants to the nation’s most promising young cancer researchers. To date there have been 247 recipients of these awards. The goal of the grant program is to improve the basic understanding of cancer biology and to develop new methods for the prevention and treatment of cancer. [Read more here]

**Donna Peters, PhD** - has received a 4-year, $1.35M grant from the NIH National Eye Institute to study signaling pathway(s) that can be used as potential targets to treat glaucoma. The Peters’ lab studies mechanisms leading to increased intraocular pressure (IOP), a common risk factor for glaucoma. More specifically for this study, they will look at the role of αvβ3 integrin in regulating the actin cytoskeleton, which is known to control a number of key biological processes involved in maintaining normal IOP.
John-Demian Sauer, PhD, The Wisconsin Partnership Program at the University of Wisconsin School of Medicine and Public Health recently awarded five New Investigator grants totaling nearly $500,000. Dr. Sauer also received $100,000 to address the growing number of infections caused by antibiotic-resistant organisms.

Nader Sheibani, PhD, Researchers in the H-MAPs Center will focus on toxin screening in the liver, neural and vascular systems, as well as the role of chemicals in breast cancer. They will use a suite of innovative technologies to assemble and use these models in a fast-paced, automated fashion that meets real-world needs. (Read more here)

Miriam Shelef, MD, PhD will receive a 2015 Clinical Scientist Development Award of $486,000 over three years from the Doris Duke Charitable Foundation. (Read more here)

Paul Sondel, MD, PhD, The National Cancer Institute (NCI) has selected two UW-Madison faculty, Dr. Michael Fiore and Dr. Paul Sondel, as inaugural recipients of an Outstanding Investigator Award (OIA), which provides seven years of research support to investigators with outstanding records of productivity and achievement in cancer research. (Read more here)

Su-Chun Zhang, MD, PhD, Applying a dramatically improved method for "editing" genes to human stem cells, University of Wisconsin-Madison neuroscientist Su-Chun Zhang has shown a new way to silence genes in stem cells and their progeny at any stage of development. (Read more here) and (here)

Xinyu Zhao, PhD, Waisman Center investigators Xinyu Zhao, PhD, and Anita Bhattacharyya, PhD, were awarded an $750,000 grant, over three years, from the John Merck Fund to explore a new treatment for fragile X syndrome (FXS) using gene editing. Zhao and Bhattacharyya received a $100,000 pilot grant from John Merck Fund in 2014 to begin this study and the new funding took effect February 1. (Read more here)

Welcome our new CMP Trainers

Lisa Arendt, DVM, PhD
Assistant Professor
Comparative Biosciences

Focus Groups:
Cancer Biology
Immunology/Immunopathology

Education:
PhD, University of WI-Madison
DVM, University of WI-Madison

Research Summary:
Breast cancer, tumor/stromal interactions, cancer stem cells, mammary stem cells, Human-in-Mouse Model, inflammation and tumor microenvironment, adipose stem cells

Dudley Lamming, PhD
Assistant Professor
Dept of Medicine

Focus Groups:
Cancer Biology
Signal Transduction

Education:
PhD, Harvard University
BS, Massachusetts Institute of Technology

Research Summary:
The Lamming laboratory's goal is to understand how nutrient-responsive signaling pathways can be harnessed to promote health and longevity.
Congratulations to Erin Brooks, MD, winner of the 2015 Reza Teaching Award!

CMP Students Presenting at Conferences

**Utibe Bickham**
will be presenting a poster at the 64th Annual American Society of Tropical Medicine & Hygiene Meeting to be held on Oct. 25-29 at the Philadelphia Marriott Downtown, Philadelphia, Pennsylvania USA. The title of my poster is below:
Biomphalaria glabrata embryonic (Bge) Cell Superoxide Dismutase (SOD) expression pre-and post-exposure to S. mansoni Larval Transformation Proteins.

**Utibe Bickham-Wright, Nathalie Dinguirard, Grzegorz Sabat, Timothy P. Yoshino**
University of Wisconsin, Madison, WI, United States

**Mengxue Zhang**
attended the 2015 ACS Clinical Congress in Chicago in October 4-8. Our abstract entitled "Blocking BET bromodomain Mitigates Intimal Hyperplasia in Rat Carotid Arteries-Role of Epigenetic Reader in Vascular Disease" has been chosen for the oral presentation.

**Kirsti Walker**
will be presenting a poster at a Keystone Symposia, Cytokine JAK-STAT Signaling in Immunity and Disease in January 2016

**Gianna Hernandez**
Zulmarie Perez Horta
Sarah Franco
All attending SACNAS National Conference - 2015

**Qiwei Wang**
Arteriosclerosis, Thrombosis and Vascular Biology (ATVB) Scientific Sessions 2015. May 7-9. San Francisco, CA. "Inhibition of Receptor-interacting Protein Kinase 1 With Necrostatin-1 and -1s Ameliorates Aneurysm Progression in the Elastase-induced Mouse Model of Abdominal Aortic Aneurysms (AAAs)"

**Kaitlin Mitchell**
will present at the April 2016 American Society for Microbiology Conference on Candida and Candidiasis in Seattle

**Chelsie Sievers**
AACR Anual Meeting was April 18-22, 2015 in Philadelphia, PA.

**Jose Rodriguez Molina**
Attended Glia Meeting in Spain July 2015

**Bryce Wolfe**
presented a poster at the 2015 American Society for Reproductive Immunology conference in Kingston, Canada back in June.
Congratulations to our recent CMP Student Graduates!

Adam Bailey: Returned to UW Medical School.
Yash Somnay: Returned to UW Medical School.
Ted Griggs: Returned to UW Medical School.
Danielle Stewart: Completing a Post Doc in Dr. Bo Liu’s Lab, UW Madison Department of Surgery.
Lindsay Wrighton: Employed as a Pathology Specialist at Roche Diagnostics in Boston, MA.
Caitlin Mac Nair: Employed by Michael Best and Friedrich’s Law Offices in Madison WI for Patent work.

Our Fourth Annual Michael N. Hart Pathology Research Day was again successful!
Research Day Poster Session winners include: Matthew Brown (4th year CMP student), HunJun Kang (5th year CMP student), Daniel Matson (PGY-1 Resident)

APT August 2015....It was fun while it lasted!

CMP Students and Faculty enjoyed a boxed dinner in an American Players Theatre Shelter as the rain poured around them...