



Fall 2014

## Grants

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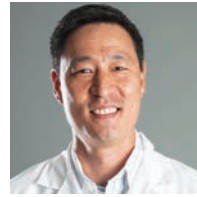
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## GRANTS

**Montserrat C. Anguera, PhD**, received a one-year, \$25,737 McCabe Fund Pilot Award to study the molecular details underlying female-bias for the autoimmune disorder lupus.

**Michael Atchison, PhD**, received a two-year, \$301,502 grant from the Department of Defense CA130155 to study YY1 control of AID-dependent lymphomagenesis. He also received a four-year, \$760,000 grant from the National Institutes of Health (GMS), NIH R01 GM111384, to study the role of YY1 in constitutive and inducible DNA loop formation.

**Ashley Boyle, DVM**, received a one-year, \$15,000 grant from Boehringer Ingelheim VetMedica on determining the optimal sampling site for strangles using loop mediated isothermal (LAMP) PCR.

**Igor Brodsky, PhD**, received a two-year, \$247,500 NIH/NIAID (R21 AI109267) grant to study the role of Caspase-8 in *Yersinia* virulence and host defense.

**Leah Byrne** (William A. Beltran, DVM, PhD Lab), received a three-year, \$165,354 NIH/NEI F32 grant to study optimizing gene therapies in large animal models of retinal degeneration.

**Zhengxia Dou, PhD**, received a one-year, \$49,250 grant from the U.S. Department of Agriculture in support of *The Last Food Mile: Food Loss and Food Waste in the U.S. Food Supply Chain* conference.

**Marie-Eve Fecteau, DVM**, received a six-month, \$17,000 grant from the Commonwealth of Pennsylvania to study the comparison of John's disease prevalence on organic and conventional dairy farms in Pennsylvania.

**Ciara Gimblet** (Laboratory of Phillip Scott, PhD) received a \$128,793 NIH/NIAID F31 grant for understanding the role of IL-22 in cutaneous leishmaniasis, from September 2014 through July 2017.

**Ronald Harty, PhD**, received a two-year, \$247,500 NIH R21 grant to study innate immune regulation of intracellular pathways involved in Filovirus budding. With **Bruce D. Freedman, VMD, PhD** as Co-PI, he also received a three-year, \$900,000 NIH/NIAID R33-AI102104 grant to study host-oriented therapeutics targeting Filovirus budding.

**Mark Haskins, VMD, PhD**, received a four-year, \$1,610,482 NIH 2-R01-DK-054481 grant to study gene therapy for Mucopoly-saccharidosis.

**Anna Kashina, PhD**, received a four-year, \$1,216,000 NIH/NIGMS R01-GM108744 grant to study regulation of actin during cell migration. She also received a one-year, \$40,000 grant from the URF University of Pennsylvania to study protein arginylation in the regulating of skeletal muscle strength.

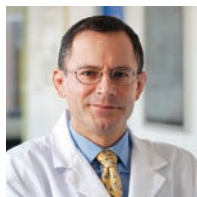
**Nicola Mason, PhD, BVetMed**, received a one-year, \$50,000 University of Pennsylvania Sarcoma Pilot Grant Award to study Canine Sarcoma: Her2 and radiation.

**Michael May, PhD**, received a one-year, \$20,000 grant from Penn's ITMAT for the Transdisciplinary Program in Translational Medicine and Therapeutics targeting Vascular Endothelial Cell-Intrinsic Non-Canonical NFkappa B.

**Cynthia Otto, DVM, PhD**, received a one-year, \$140,754 grant from the Department of the Army for *Stage 2: Maintaining Hydration of Dogs in Working Environments*. She also received a one-year, \$31,334 grant from Nestle Purina for the Canine Hydration and Exercise Challenge Field Study.

**Mark Oyama, DVM**, received a one-year, \$43,563 grant from AKC-CHF for a genome-wide association study of myxomatous mitral valve disease in Norfolk terriers. He also received a one-year, \$37,291 grant from CEVA Labs for the Type IV Cardiorenal Syndrome Study, as well as a \$27,729 grant from Tufts University to study *Early detection of cardiomyopathy in pet cats: A novel approach to practice-based population screening* from April 2014 through May 2015.

**Ellen Puré, PhD**, received a \$394,501 NIH/NCI (R01-CA-141144-05) grant to study fibroblast activation protein in the tumor microenvironment in lung cancer. The grant spans from July 2013 through January 2015. She also received a 10-month, \$165,300 grant from the Wistar Institute (flow through NIH/NCI) to study *Mammalian regeneration, high fat diets, and breast cancer: A common link?*



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## GRANTS

In addition, **Dr. Puré** received a one-year, \$380,000 grant from the Research Facilities Development Fund for the development of non-invasive live research animal whole body imaging to support ongoing sponsored research. Along with **Richard Assoian, PhD**, she received a five-year, \$1,289,520 NIH R01-AG-047373-01 grant to study aging, gender, and arterial stiffness in atherosclerosis.

**Shelley Rankin, PhD**, and **Charles Bradley, VMD**, received a \$12,312 grant from the AKC Canine Health Foundation to study *The cutaneous resistome of dogs: the effect of antimicrobial selective pressure on the canine microbiome*.

**Phillip Scott, PhD**, received a two-year, \$275,000 NIH/NIAID R21 grant to study resident memory T cells in leishmaniasis.

**Makoto Senoo, PhD**, received a five-year, \$1,100,000 NIH/NIAMS 1R01-AR-066755-01 grant to study intrinsic and extrinsic regulation of epidermal stem cells.

**Billy Smith, DVM**, received a \$163,633 grant from Merck Animal Health to study effectiveness and safety of Fertagyl injection for use with cloprostenol sodium, to synchronize estrous cycles to allow fixed-time artificial insemination in lactating dairy cows compared to a saline control. The grant spanned from November 2013 through April 2014.

**Tiffany Weinkopff** (Laboratory of Phillip Scott, PhD) received a three-year, \$171,018 NIH/NIAID F32 AI 114080 grant to study the role of myeloid lineage cells in leishmaniasis.

## FACULTY/STAFF NEWS

**Helen Aceto, PhD, VMD**, was promoted to Associate Professor of Epidemiology (CE) in the Department of Clinical Studies/New Bolton Center.

**William A. Beltran, DVM, PhD**, has been promoted to Associate Professor of Ophthalmology, Tenure Track.

The AKC Canine Health Foundation (CHF) has announced **Abigail Bertalan, VMD**, as one of the 2014 class of Fellows for the Clinician-Scientist Fellowship Program. Dr. Bertalan, a resident with the Internal Medicine Clinical Team, will receive support from CHF for training and research efforts.

**Ann-Kathrin Brons, DVM**, a Research Fellow in Genetics with **Urs Giger, Dr med vet**, received the award for best doctoral thesis from the University of Zurich at the annual Dies academicus.

Executive Director of Ryan Hospital, **Bo Connell**, was invited to speak at the spring meeting of the American Association of Veterinary Clinicians on the topic of *Maintaining a Vibrant and Competitive Veterinary Teaching Hospital*.

**Roberta Di Terlizzi, DVM**, received the 2014 Excellence in Teaching Award, as voted by recent alumni at the Penn Annual Conference. Dr. Di Terlizzi is an Assistant Professor of Veterinary Clinical Pathology in the Department of Pathobiology.

**Bernd Driessen, DVM**, is serving as a Visiting Professor of Anesthesiology at Turin University in Italy from November 5, 2013, through October 30, 2014. In collaboration with four ACVAA and ECVAA colleagues from Austria, Italy, Spain, and Switzerland, he has organized an 80-hour certificate course for European attendees on *Principles of Small Animal Anesthesia and Perioperative Analgesia*.

**Hannah Galantino-Homer, VMD, PhD**, was accepted to present at the American Association of Equine Practitioners Annual Convention this December in Salt Lake City. Her topic is *Characterization of Equine Hoof Lamellar Tissue Microanatomy with Fluorescent Markers*. Her talk at the International Equine Conference on Laminitis and Diseases of the Foot was covered by *The Horse*.