

Bailey Career Development Award Winners

2017

Aileen Keating, Associate Professor, Animal Science, “Investigating mechanisms by which obesity alters the ovarian capacity to respond to chemical exposures”

Gregory Phillips, Professor, Veterinary Microbiology and Preventive Medicine, “Understanding the Role of the Host Microbiome in Clostridium difficile Infections: A Team-Based Approach”

2016

Wenzhen Li, Associate Professor, Chemical and Biological Engineering, “Solar Photoelectrolysis of Biorenewable Feedstock to Higher-Valued Chemicals over Non-Precious Dual-Layer Catalysts”

2015

Wei Hong, Associate Professor, Aerospace Engineering, “Next-Generation Micro-Structured Materials Through Additive Manufacturing”

Cathy Miller, Associate Professor, Veterinary Microbiology and Preventive Medicine, “Investigating Viral Oncotherapy as a Novel Inhibitor of Prostate Cancer Progression”

2014

Bradley Blitvich, Associate Professor, Veterinary Microbiology and Preventive Medicine, “Identification of the Genetic Determinants that Modulate Flavivirus Host Range”

Jeanne Serb, Associate Professor, of ecology, Evolution and Organismal Biology, “Harnessing the Photoreceptive Ability of Light-Sensitive Gq-opsin Proteins and the Application for Optogenetic Research and Therapy”

2013

Lyric Bartholomay, Associate Professor, Entomology, “Developing Molecular Genetics Tools for the Pacific White Shrimp, Litopenaeus vannamei”

2012

Amy Andreotti, Professor, Roy J. Carver Department of Biochemistry, Biophysics & Molecular Biology, “Cyclophilin A: A Switch for Turning Off Breast Cancer”

Christopher Tuggle, Professor, Animal Science, “Characterization and Utilization of a Novel Immune-Compromised Pig for Biomedical Modeling”

2011

Al Jergens, Professor, Veterinary Clinical Sciences, “Understanding Gastrointestinal Microbial Community Dynamics in Health and Disease”

Zhiyou Wen, Associate Professor, Food Science and Human Nutrition, “Developing a Hybrid Conversion Process for Producing Bioenergy from Lignocellulosic Biomass”

2010

Jacob Petrich, Professor, Chemistry, “Exploiting Optical Signatures of Central Nervous System Tissue: From Protecting the Food Supply to Developing an Ocular Scan for Neurological Diseases in Animals and Humans”

2009

Douglas Jones, Associate Professor, Veterinary Pathology, “An Immune-feedback Vaccine Delivery Device to Circumvent Maternal Antibody Inhibition”

2008

Debra Satterfield, Associate Professor, Art and Design, “Developing a Methodology for Designing and Evaluating Medical Decision Aids: A Research Collaboration with the Mayo Clinic”

2007

Michael Spurlock, Associate Professor, Food Science and Human Nutrition, “Development of a Porcine Model of Human Obesity and the Metabolic Syndrome”

2006

Jo Anne Powell-Coffman, Associate Professor, Genetics, Development and Cell Biology, “Mitochondrial Proteins and Pathways that Regulate the Hypoxia-Inductible Factor”

2005

Manju Reddy, Associate Professor, Food Science & Human Nutrition, “Overexpression of Plant Hemoglobin in Maize to Increase Iron Bioavailability”

2004

Bryony Bonning, Associate Professor, Entomology, “Broad Spectrum Plant Resistance to Insect Pests Mediated by a Protease”

Michael Wannemuehler, Professor, Veterinary Microbiology and Preventive Medicine, “Modulation of Mucosal Gene Expression Following Colonization of Gnotobiotic Mice with *Helicobacter bilis*”

2003

Thomas Baum, Associate Professor, Plant Pathology, “The Use of Gene Silencing to Generate Cyst Nematode-Resistant Soybean Plants”

Janice Buss, Associate Professor, Biochemistry, Biophysics and Molecular Biology, “Engineering Neural Stem Cells to Produce Survival Factors to Rescue Injured Retinal Cells”

2002

Michael Conzemi, Professor, Veterinary Clinical Sciences, “A New Direction in Total Hip Replacement: Magnetic Levitation”

Suzanne Hendrich, Professor, Food Science & Human Nutrition, “Genomic Identification of Isoflavone-Metabolizing Gut Microorganisms”

Surya Mallapragada, Associate Professor, Chemical Engineering, “Design and Synthesis of Novel Stimuli-Sensitive Smart Polymeric Vectors for Targeted Gene Therapy”
