HIGHLIGHTS

The CVM had $35,033,163 in total grant/contract awards (by credit area) in FY18 (#2 at WSU behind CAHNRS). This is the largest amount ever awarded, and is up 25% compared to FY17.

Steve Parish, who retired last fall from VCS after 42 years on our faculty (large animal medicine and surgery), received the Distinguished Service Award from the Department of Animal Sciences.

Three CVM research administrators Ty Simanson and Savannah Tiedeman of IPN and Emilie Cousins of SMB received awards from the WSU Office of Research.

The Team Mentoring Program at WSU, for which the CVM provides leadership and engages significantly (19 faculty participants from 4 CVM departments and schools), was awarded the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring. This is an NSF-led program.

Along with CAHNRS, the CVM recently hosted U.S. Secretary of Agriculture Sonny Perdue. During his brief visit, the discussion focused on Anti-Microbial Resistance, and also – unexpectedly – regulation of gene-edited livestock (e.g., the anticipated products of WSU’s Functional Genomics Initiative). We are well positioned to provide expert help to the Secretary for both gene-editing and AMR.

GRANTS

Kelly Brayton (VMP) was awarded a new USDA AFRI grant to study ways to manipulate the bacterial microbiome of a common tick, Dermacentor andersoni, as a way to control the transmission of Anaplasma marginale, an important pathogen for ruminant livestock.”

Mark Caudell, a postdoc in the Allen School, received a new Amazon Catalyst grant to further develop “Kulé© Tech: smart-thermometers for safer milk”, which he and his collaborators have developed as a simple technology for increasing food (milk) safety through greater adoption of Pasteurization in low- and middle-income countries.

Richard Illes (SES) and Offer Amram (ESF-COM) of the Paul G. Allen School for Global Animal Health were awarded new WSU New faculty seed grants.

Jon Oatley (SBM) was awarded a new NIH R21 grant, “High throughput screens to identify novel regulators of mammalian spermatogonial functions”.

Anthony Nicola (VMP) received a new sub-award during collaboration with PNNL, entitled “Investigation of virus genomic and proteomic changes following laboratory cultivation.”

HOT TOPICS

Cryptosporidium: Washington State University researchers develop new tool to study parasite in tissue – Outbreak News Today

Why AFYA Is Focusing On Eradicating Rabies In Dogs In Rural Communities – NPR

Researchers See Human Immune Response in the Fruit Fly – Lab Mgr.

New researcher hopes to solve outbreak of hoof rot in Southwest Washington – The Reflector

Scientist chosen to lead studies of elk hoof disease – The Columbian

WSU College of Veterinary Medicine hires elk hoof disease research leader – WSU Insider

How do you handle the grief that comes with losing a pet? – The Inlander

Why some pet owners and veterinarians are turning to alternative and holistic pet care options – The Inlander

One Health One World – Advance

Discovery opens door to efficient research model – WSU Insider

Puppy gets second chance for happy, healthier life – WSU Insider

PUBLICATIONS

Robert O’Conner (VMP) and colleagues, including doctoral student Greg Bowden, recently reported, in a high impact Nature journal (IF ~14), an significant new tool to study a debilitating global diarrheal disease, Cryptosporidium (See also Hot Topics): Heo I, Dutta D, Schaefer DA, Iakobachvili N, Artegiani B, Sachs N, Boonekamp KE, Bowden G, Hendrickx APA, Willems RUL, Peters PJ, Riggs MW, O’Connor R, Clevers H. Modelling Cryptosporidium infection in human small intestinal and lung organoids. *Nature Microbial* 3:814-823, 2018.

Ilia Karatsoreos (IPN) recently published a review of the neurobiology of stress in theme issue of a high-impact journal (IF ~7); IN Karatsoreos. Stress: common themes toward the next frontier. *Front Neuroendocrinology* 49:3-7, 2018.

Bill Davis (SBM) and collaborators Andy Cavagnetto (SBS and Dept. of Teaching and Learning) and graduate student Josh Premo published their collaborative study of cooperative learning on undergraduate STEM student achievement. This study was funded by the CVM Teaching Academy’s seed grant program and represents an important step in collaboration across three colleges at WSU (CVM, CAS, and COE) to conduct research to improve life science/STEM undergraduate education: J Premo, A Caganetto, WB Davis. Promoting collaborative classrooms: the impacts of interdependent cooperative learning on undergraduate interactions and achievement. *CBE-Life Science Education* 17:ar32, 1-16, 2018
Jon Oatley (SMB) delivered an invited presentation at (and co-organized) the Large Animal Genetic Engineering Summit in Park City, UT on June 4th.

Joy Winuthayanon (SMB) delivered an invited talk at NIEHS on June 21.

The 25th annual Center for Reproductive Biology retreat was held in Orofino, ID on June 21-22 and included over 50 participants.

Mike Griswold (SMB) delivered an invited presentation at the 4th International Conference on Retinoids in Steamboat Springs, CO.

Bill Davis (SMB) co-facilitated two week-long workshops on Scientific Teaching at South Dakota State University and University of Montana in May and June. These are HHMI/NAS-sponsored workshops associated with the Teaching and Learning Center at Yale University.

John Alderete (SMB) gave the keynote at the “New Era of Science in Microbiology-Immunology” conference in Amsterdam.

Susan Mathew (VCS) co-led a workshop on the AAVMC Competency-Based Veterinary Education Framework with Dr. Kristin Chaney from Texas A&M on applying the CBVE framework in participants’ local contexts. She also facilitated in a workshop on workplace-based assessment within a competency-based framework that was led by Dr. Emma Read from the University of Calgary.

Susan Mathew (VCS) and doctoral student, Julie Noyes, gave talks at the Association of American Veterinary Medical Colleges Joint Symposium of the Primary Care Veterinary Educators and the Veterinary Educator Collaborative in Ithaca, New York, on 22-24 June.

Immunology and Infectious Disease Program (VMP) doctoral student Greg Bowden and his mentor, Rob O’Conner, published a high-impact paper recently in Nature Microbiology (Impact Factor 14.1; see “Publications”)

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Gifts:
- Michael H. Wilde ($69,821) to support our Intensive Care Unit in the Veterinary Teaching Hospital (gift-in-kind of equipment).
- Jack and Anne Fontaine ($20,000) to support the annual Iowa Farm Scholarship.

Development Related Activities:
- 06/08 – Recognized alumnus Gary Bryan (DVM ’60, MS ’74) with the Cougar Pride Award (WSU Alumni Association)
- 06/16-06/17 – Idaho Veterinary Medical Association Annual Meeting in Lewiston (including Pullman tour and reception).

Upcoming:
- 07/13 – Hosting DVM Alumni Reception during American Veterinary Medical Association Conference in Denver, CO
- 07/13 – Participating in Woodland Park Zoo’s annual fundraising gala, Jungle Party.
- 07/14 – Eleventh Annual Peter A. Zornes Memorial Golf Tournament to benefit the Neuroscience Scholarship in Peter’s name (Colfax, WA)
- 08/22 – Bill Johnson’s Annual Ride for Animals (bike ride from Cle Elum to Pullman to raise awareness and fund for our Good Samaritan Fund)