POINTS OF INTEREST

DEPARTMENT OF BIOMEDICAL SCIENCES

DR. JESSICA HAYWARD RECEIVES STANTON FOUNDATION AWARD

Collecting samples from a village dog in Nepal

Research Associate Dr. Jessica Hayward was awarded a Stanton Foundation 2015 "Next Gen" Canine Research Fellowship under the mentorship of our own Dr. Adam Boyko for her project titled "Developing genomic approaches for using mixed-breed dogs to accelerate canine genetic research". According to the Stanton Foundation's Co-Director, Dr. Liz Allison, "It is an exciting project and we look forward to it's commencement."

The Stanton Foundation, originally The Ruth and Frank Stanton Fund established in 1991, is a philanthropic organization which donates to projects relating to canine welfare and other causes.*

* according to Wikipedia article (http://en.wikipedia.org/wiki/Stanton_Foundation)

2015, 1ST QUARTER | **MARCH 30, 2015**

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JOIN THE PARTY AND...

Event listings can be found at... http://150.cornell.edu/events/

DR. JENNY SONES ROCKS HER FINAL YEAR OF GRADUATE STUDIES!

Dr. Jenny Sones, Research Associate in the Davisson Lab, received a New Investigator Award at the 2014 American Heart Association Council for High Blood Pressure Research Meeting in San Francisco, CA in September. Jenny received this award for her abstract entitled "BPH/5 Pre-eclamptic Mice Have Increased Uterine Interleukin (IL)-5 and this is Associated with Decidual Natural Killer (dNK) Cell Loss at the Maternal-Fetal Interface Early in Pregnancy".

Dr. Sones was also selected by the American Heart Association as a recipient of the "Best of AHA Specialty Conferences" award. Her previously mentioned abstract, on BPH/5 Pre-eclamptic Mice, and a second abstract entitled "Cox2 Inhibition During Decidualization Improves Fetal Growth Restriction in the BPH/5 Mouse Model of Preeclampsia" were both recognized among the top 10% of accepted abstracts in the AHA Specialty Conferences. Jenny re-presented both studies at the national AHA Scientific Sessions in Chicago, in November, 2014. Abstracts in this session will be exposed to special international news media and will be covered in the AHA Scientific Sessions news breaks. Congratulations, Jenny!

This past fall, Dr. Jenny Sones, appearing here with Dr. Robin Davisson and her son Hunter, successfully defended her Dissertation entitled, "Defects in periimplantation signaling contribute to adverse pregnancy outcomes in the BPH/5 mouse model of preeclampsia". Way to go, Dr. Sones!

CONGRATULATIONS ON YOUR RETIREMENT, DR. SCHLAFER!

DR. JENNY SONES INVITED TO PRESENT IN HEALTH EQUITY SEMINAR SERIES

Dr. Jenny Sones, Research Associate in the Davisson Lab, was invited to participate as one of three speakers at the Eunice Kennedy Shriver National Institute of Child Health and Human Development Health Equity Seminar Series, "Toward Understanding the Pathobiology of Preeclampsia and the Potential Underlying Mechanism of Vitamin D Involvement" held at the NIH Campus in Bethesda, MD on September 4, 2014. Jenny's presentation was entitled "Defective Immunoregulatory and Peri-Implantation Events at the Maternal-Fetal Interface in BPH/5, a Mouse Model of Preeclampsia".

DR. DREW NODEN RECEIVES SCIENTIFIC ACHIEVEMENT AWARD

At last year's Experimental Biologists meeting in San Diego, the American Association of Anatomists presented its highest scientific honor, the Henry Gray Scientific Achievement Award, to Drew M. Noden. This is "in recognition of sustained and meritorious service to the entire scientific community through scholarly accomplishments in original investigation, teaching, and writing in the field of Anatomy." They cited in particular the many contributions that Dr. Noden has made to our understanding of cell origins, movements, and fates during craniofacial development, with many of his results and summary sketches now standard in most Embryology textbooks. Drew is the first faculty member in a Veterinary College to receive this award. Henry Gray was an English physician who published his Human Anatomy text in 1858. It was an immediate success, based in large part because Gray partnered with a medical illustrator who made detailed, accurate drawings from cadavers that Gray dissected. The book is now in its 40th edition, and is still considered the most authoritative text available.

On Tuesday, March 3, 2015 the Davisson, Cohen, Cummings and Kelly Labs traveled to the Greek Peak Ski Resort in Virgil, NY for a fun day of skiing.

Jennifer Austin

Ms. Jennifer Austin accepted a position in the Department of Biomedical Sciences as a Finance Specialist beginning January 20th. Jennifer obtained her Bachelor's degree from Cornell in 2003 and an MBA from Southern New Hampshire University in 2007. She has held various accounting/ financial positions and most recently served as a Finance Specialist and Team Leader in the CALS/CHE Business Service Center. Jennifer's primary responsibilities are oversight of departmental budgets, analysis, reporting, and supporting faculty with pre-/post- award proposals.

Dr. Andrew White

Dr. Andrew White is an Assistant Professor in the Department of Biomedical Sciences. Andrew is interested in exploring the causes and conditions that facilitate skin cancer initiation and progression from resident stem cell populations. The White lab uses a variety of approaches to understand cancer development, including mouse models of skin cancer through genetically engineered animals and chemical carcinogenesis. Andrew received his B.S. from the University of Texas in Austin, which was followed by a Ph.D. in Developmental Biology from Washington University in St. Louis. For his postdoctoral research, he studied adult stem cells and their relationship to cancer initiation at UCLA.

Marissa Consalvi

Ms. Marissa Consalvi joined the Department of Biomedical Sciences as a Grants Coordinator/Administrative Assistant. Marissa graduated from SUNY Plattsburgh in 2010 with a BS degree in Business Administration and held an accounting position at Cornell in the CALS/CHE Business Service Center prior to joining Biomedical Sciences. Marissa's diverse background in business, accounting, and customer service will be an asset to the department in providing support to faculty and staff with pre-award proposals, graduate student assignments (TA), teaching budgets and overseeing the Departmental Seminar Series.

Dr. Kristy Richards

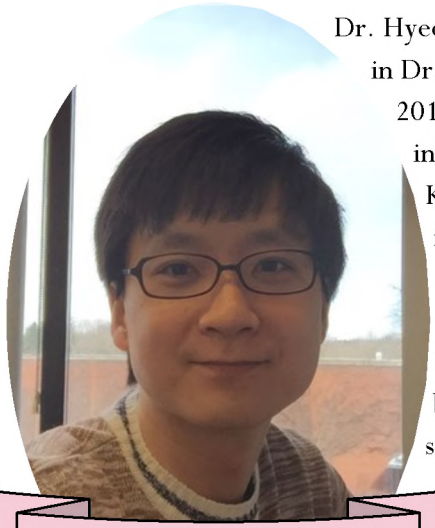
Dr. Kristy Richards is an Associate Professor in the Department of Biomedical Sciences in the College of Veterinary Medicine and in the Department of Medicine, Division of Hematology/Medical Oncology, Weill Cornell Medical College. She is a medical oncologist who specializes in treating lymphoma patients and her lab focuses on finding new and better ways to treat lymphoma. Dr. Richards earned her undergrad degree from Cornell University, followed by a PhD in genetics and an MD, both from Stanford University. She did her residency in internal medicine at Brigham and Women's Hospital, and completed a hematology/oncology fellowship at the MD Anderson Cancer Center.

Leanne Donahue

Ms. Leanne Donahue has joined Dr. Andrew White's lab as a technician. Leanne completed her undergraduate degree in biology from Ithaca College in 2013, and then began working at Cornell University as a tech in the Entomology Department researching the symbiotic relationship between Drosophila and their gut microbiota. When not at work, she enjoys spending her time cooking, cross stitching, or kayaking on the lake. "…or wishing it was summer so I could go kayaking".

Sadia Din

Ms. Sadia Din has come to Cornell University as an intern for Dr. Kristy Richards, who she previously assisted at the University of North Carolina at Chapel Hill. Current research projects include testing monoclonal antibodies in cancer cell lines to better understand the mechanism of drug action and immune response towards drugs, investigating possible association between transcriptional and translational levels of mutated genes in double hit lymphoma, and exploring similarities between human and canine B-cell lymphomas. Ms. Din is in the final stages of completing her dissertation on expression and regulation of N-cadherin/UCH-L1 adhesion complexes in EBV-positive B-cells. She has submitted several articles on related topics for publication.



Hyeongsun (Sunny) Moon

Dr. Hyeongsun (Sunny) Moon started as a postdoc in Dr. Andrew White's lab beginning February 2015. His research interest is in cancer initiation from adult stem cells. Sunny is a Korean veterinarian, and received his PhD in cancer biology in advanced prostate cancer in Brisbane, Australia. "I enjoy watching snow through my office window, but obviously Ithaca's weather is still a little bit tough for me. I like to relax outdoors, so I'm looking forward to some warmer weather. I am also looking forward to meeting many people in our department."

Rob Barber

I'm Rob, a lab tech in the newly arrived Kristy Richards Lab. I recently graduated from UNC-Chapel Hill with a bachelors in biology. I'm from the swampy beach town of Wilmington, NC. I enjoy finding adventures and reveling in fleeting moments of beauty. As an undergraduate I worked as a volunteer EMT-B and as a research assistant in Dr. Richards' Lab. To date, I have worked on two main projects in the lab; first, investigating the role of the E3-ubiquitin ligase cbl-b in MAB therapies and second, characterizing DLBCLs by somatic hypermutation states of the IGHV. I plan on enrolling in a PhD program in genetics/molecular biology in fall 2016.

PUBLICATIONS

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40. L. A. Lacko, M. Massimiani, J. L. Sones, R. Hurtado, S. Salvi, S. Ferrazzani, R. L. Davisson, L. Campagnolo and H. Stuhlmann (2014). "Novel Expression of Egfl7 in Placental Trophoblast and Endothelial Cells and Its Implication in Preeclampsia." Mechanisms of development **133**: 163-176

41. Y. Li, D. D. Wu, A. R. Boyko, G. D. Wang, S. F. Wu, D. M. Irwin and Y. P. Zhang (2014). "Population Variation Revealed High-Altitude Adaptation of Tibetan Mastiffs." Mol Biol Evol **31**(5): 1200-1205

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46. Y. Luo, S. A. Hartford, R. Zeng, T. L. Southard, N. Shima and J. C. Schimenti (2014). "Hypersensitivity of Primordial Germ Cells to Compromised Replication-Associated DNA Repair Involves Atm-P53-P21 Signaling." PLoS Genet **10**(7): e1004471

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50. S. P. McDonough, J. Gerdin, A. Wuenschmann, B. J. McEwen and J. W. Brooks (2015). "Illuminating Dark Cases: Veterinary Forensic Pathology Emerges." Vet Pathol **52**(1): 5-6

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52. J. L. McElwee, S. Mohanan, S. Horibata, K. L. Sams, L. J. Anguish, D. McLean, I. Cvitas, J. J. Wakshlag and S. A. Coonrod (2014). "Pad2 Overexpression in Transgenic Mice Promotes Spontaneous Skin Neoplasia." Cancer Res **74**(21): 6306-6317

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Dr. Nancy Lorr is pictured here with her first grandbaby, Lucy, born September 5, 2014.

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Dr. Kotlikoff and his team were awarded a five year R24 resource grant from NHLBI to develop fifty lines of transgenic mice designed for combinatorial crosses enabling the co-expression of sensors and effectors, or red and green Ca2+ sensors in interacting lineages.
Get more information about the **CHROMus** resource and follow the progress at:
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Aging research goes to the dogs

By Carly Hodes

Lindsay France/University Photography

Adam Boyko, assistant professor of biomedical sciences in the College of Veterinary Medicine, plays with a dog.

http://www.news.cornell.edu/stories/2014/04/aging-research-goes-dogs

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Photo of Drs. Marla Lujan and Susan Suarez following their talks by Jay Worley, a Postdoctoral Researcher at Boyce Thompson Institute

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CONGRATULATIONS DR. VALBUENA!

Dr. Ana Valbuena, postdoctoral associate in the Davisson Lab at Weill Cornell, received the Iñigo Alvarez de Toledo Renal Foundation Award (FRIAT) presented by the Queen of Spain on October 27, 2014 for the paper "Oxysterol-induced soluble endoglin release and its involvement in hypertension" published in the journal Circulation. This study on the pathogenic mechanisms of preeclampsia was led by Dr. Carmelo Bernabeu from Centro de Investigaciones Biologicas, Madrid, Spain, while Ana was a PhD student.

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