

Points of Interest

in Biomedical Sciences

Newsletter Date: November/December 2012

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Quotables:

“Winter is the time for comfort, for good food and warmth, for the touch of a friendly hand and for a talk beside the fire: it is the time for home.”

— Edith Sitwell

AWARDS

Colin Young, postdoctoral associate in the Davisson Lab, was awarded a 2-year American Heart Association (Founder's Affiliate) Postdoctoral Fellowship starting January 1, 2013 for his proposal “Dissecting the role of brain NFkB in obesity-induced hypertension”. Colin's was one of only 17 grants funded out of 150 applications. Congratulations, Colin!



Please join us in congratulating Brian Butler for receiving two awards at the AAVLD conference that he attended the weekend of October 20th. Brian received the “Best Presentation in Pathology” award and the travel award with the project: “Canine colorectal tumors and progression to malignancy”. Congratulations Brian! The awards were not only showing your hard work but also put Cornell University's Section of Anatomic Pathology once again on the map!



PUBLICATIONS

- Anguish, L. and S. Coonrod (2013). "Preparation of Mammalian oocytes for transmission electron microscopy." *Methods in molecular biology* **957**: 213-230. <http://www.ncbi.nlm.nih.gov/pubmed/23138955>
- Flachs, P., O. Mihola, P. Simecek, S. Gregorova, J. C. Schimenti, Y. Matsui, F. Baudat, B. de Massy, J. Pialek, J. Forejt and Z. Trachtulec (2012). "Interallelic and intergenic incompatibilities of the prdm9 (hst1) gene in mouse hybrid sterility." *PLoS genetics* **8**(11): e1003044. <http://www.ncbi.nlm.nih.gov/pubmed/23133405>
- Guan, Y., D. Gorenshteyn, M. Burmeister, A. K. Wong, J. C. Schimenti, M. A. Handel, C. J. Bult, M. A. Hibbs and O. G. Troyanskaya (2012). "Tissue-specific functional networks for prioritizing phenotype and disease genes." *PLoS computational biology* **8**(9): e1002694. <http://www.ncbi.nlm.nih.gov/pubmed/23028291>
- Janvilisri, T., J. Scaria, C. H. Teng, S. P. McDonough, R. D. Gleed, S. L. Fubini, S. Zhang, B. Akey and Y. F. Chang (2012). "Temporal Differential Proteomes of Clostridium difficile in the Pig Ileal-Ligated Loop Model." *PLoS One* **7**(9): e45608. <http://www.ncbi.nlm.nih.gov/pubmed/23029131>
- Jesty, S. A., M. A. Steffey, F. K. Lee, M. Breitbach, M. Hesse, S. Reining, J. C. Lee, R. M. Doran, A. Y. Nikitin, B. K. Fleischmann and M. I. Kotlikoff (2012). "c-kit+ precursors support postinfarction myogenesis in the neonatal, but not adult, heart." *Proceedings of the National Academy of Sciences of the United States of America* **109**(33): 13380-13385. <http://www.ncbi.nlm.nih.gov/pubmed/22847442>
- McElwee, J. L., S. Mohanan, O. L. Griffith, H. C. Breuer, L. J. Anguish, B. D. Cherrington, A. M. Palmer, L. R. Howe, V. Subramanian, C. P. Causey, P. R. Thompson, J. W. Gray and S. A. Coonrod (2012). "Identification of PADI2 as a potential breast cancer biomarker and therapeutic target." *BMC Cancer* **12**(1): 500. <http://www.ncbi.nlm.nih.gov/pubmed/23110523>
- Mir, F., E. Fontaine, O. Albaric, M. Greer, F. Vannier, D. H. Schlafer and A. Fontbonne (2012). "Findings in uterine biopsies obtained by laparotomy from bitches with unexplained infertility or pregnancy loss: An observational study." *Theriogenology*. <http://www.ncbi.nlm.nih.gov/pubmed/23178080>
- Moore, B. A., J. M. Kamilar, S. P. Collin, O. R. Bininda-Emonds, N. J. Dominy, M. I. Hall, C. P. Heesy, S. Johnsen, T. J. Lisney, E. R. Loew, G. Moritz, S. S. Nava, E. Warrant, K. E. Yopak and E. Fernandez-Juricic (2012). "A novel method for comparative analysis of retinal specialization traits from topographic maps." *Journal of vision* **12**(12). <http://www.ncbi.nlm.nih.gov/pubmed/23169995>
- Piermarini, P. M., M. F. Rouhier, M. Schepel, C. Kosse and K. W. Beyenbach (2012). "Cloning and functional characterization of inward-rectifying potassium (Kir) channels from Malpighian tubules of the mosquito Aedes aegypti." *Insect biochemistry and molecular biology*. <http://www.ncbi.nlm.nih.gov/pubmed/230853580>
- Su, Y. Q., F. Sun, M. A. Handel, J. C. Schimenti and J. J. Eppig (2012). "Meiosis arrest female 1 (MARF1) has nuage-like function in mammalian oocytes." *Proceedings of the National Academy of Sciences of the United States of America* **109**(46): 18653-18660. <http://www.ncbi.nlm.nih.gov/pubmed/23090997>

PUBLICATIONS (CONT.)

- Sun, X. and P. E. Cohen (2013). "Studying recombination in mouse oocytes." Methods in molecular biology **957**: 1-18. <http://www.ncbi.nlm.nih.gov/pubmed/23138941>
- Tiburcy, F., K. W. Beyenbach and H. Wiecek (2012). "Protein kinase A dependent and independent activation of the V-ATPase in Malpighian tubules of *Aedes aegypti*." The Journal of experimental biology. <http://www.ncbi.nlm.nih.gov/pubmed/23197085>
- Wierman, M. E., M. Xu, A. Pierce, B. Bliesner, S. P. Bliss and M. S. Roberson (2012). "Extracellular signal-regulated kinase 1 and 2 are not required for GnRH neuron development and normal female reproductive axis function in mice." Neuroendocrinology **95**(4): 289-296. <http://www.ncbi.nlm.nih.gov/pubmed/22156655>
- Wong, A. K., A. L. Ruhe, K. R. Robertson, E. R. Loew, D. C. Williams and M. W. Neff (2012). "A de novo mutation in KIT causes white spotting in a subpopulation of German Shepherd dogs." Animal genetics. <http://www.ncbi.nlm.nih.gov/pubmed/23134432>
- Young, C. N., X. Cao, M. R. Guraju, J. P. Pierce, D. A. Morgan, G. Wang, C. Iadecola, A. L. Mark and R. L. Davisson (2012). "ER stress in the brain subfornical organ mediates angiotensin-dependent hypertension." The Journal of clinical investigation **122**(11): 3960-3964. <http://www.ncbi.nlm.nih.gov/pubmed/23064361>
- Zhang, X., M. Bolt, M. J. Guertin, W. Chen, S. Zhang, B. D. Cherrington, D. J. Slade, C. J. Dreyton, V. Subramanian, K. L. Bicker, P. R. Thompson, M. A. Mancini, J. T. Lis and S. A. Coonrod (2012). "Peptidylarginine deiminase 2-catalyzed histone H3 arginine 26 citrullination facilitates estrogen receptor alpha target gene activation." Proceedings of the National Academy of Sciences of the United States of America **109**(33): 13331-13336. <http://www.ncbi.nlm.nih.gov/pubmed/22853951>



Congratulations!

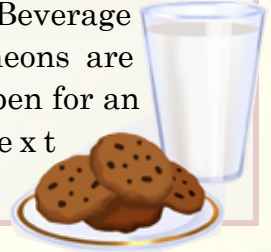
Congratulations to Dr. Adam Boyko, his wife Kelly, and their family on their newest member.

Callen Reed Boyko was born on Friday November 2nd at 3:21. He was 4 lbs. 5 oz. and 17 inches.



Three colorful gift boxes are shown. The top box is purple with a green bow. The bottom left box is pink with a yellow bow. The bottom right box is blue with a pink bow. All boxes have a pattern of small white dots.

Administrative Staff in The College of Veterinary Medicine are invited to Administrative Networking Lunches (you bring your lunch - Beverage and Cookies provided). These luncheons are held once a month. Keep your eyes open for an announcement of our next Administrative Networking Lunch.



A large, colorful gift basket filled with various items. The basket is lined with yellow tissue paper and contains a variety of gifts. At the top, there is a green box labeled "ULTIMATE FUZZY KIT" with a red fuzzy character on it. Next to it is a black box for a "JUSTIN BIEBER BACKSTAGE PASS" featuring a photo of Justin Bieber. Below these are two children's books: "The LORAX" by Dr. Seuss and "Flat Cat" by Rot Scotton. To the right is a blue box for a "Tie-Dye Kit" that can dye up to 8 shirts. In the center, there is a purple t-shirt with a floral design and a large purple owl plush toy. To the left of the t-shirt is a pink box for "CRAFTLACE Mega Pack". In the foreground, there are two pairs of socks: one with a penguin pattern and another with a colorful geometric pattern. To the right of the socks is a purple hat with a large bow. At the bottom right, there is a blue and green sock with a cartoon character on it. The background is a soft, out-of-focus pink and white floral pattern.