



Points of Interest

in Biomedical Sciences

Newsletter Date August 2009

Grants

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Dr. Niels Otani has been awarded a five-year NIH R01 grant entitled, "Dynamical Heterogeneity of Refractoriness and the Induction of Reentry." Co-investigators are: Dr. Robert Gilmour Jr. (Biomed. Sci.), Dr. Flavio Fenton (Biomed. Sci.), Dr. Anna Gelzer (Clinical Sci.), Dr. David Christini (Cornell Weill, Physiology and Biophysics), Dr. Bruce Lerman (Cornell Weill, Cardiology), Dr. Kenneth Stein (Cornell Weill, Cardiology), and Dr. Eberhard Bodenschatz (Max Planck Inst., Gottingen, Germany). We will use experiments, computer models, and tools from the mathematical field of nonlinear dynamics to identify short series of premature beats that predispose the heart to atrial or ventricular fibrillation. The work will improve our basic understanding of these pathologies and help in the development of more effective and safer implantable cardioversion devices.



Quotables:

A traveler am I and a navigator, and every day I discover a new region within my soul.

-- Kahlil Gibran

Be an explorer. The universe is filled with wonder and magical things.

-- Flavia

Find what brings you joy and go there.

-- Jan Phillips

Congratulations!

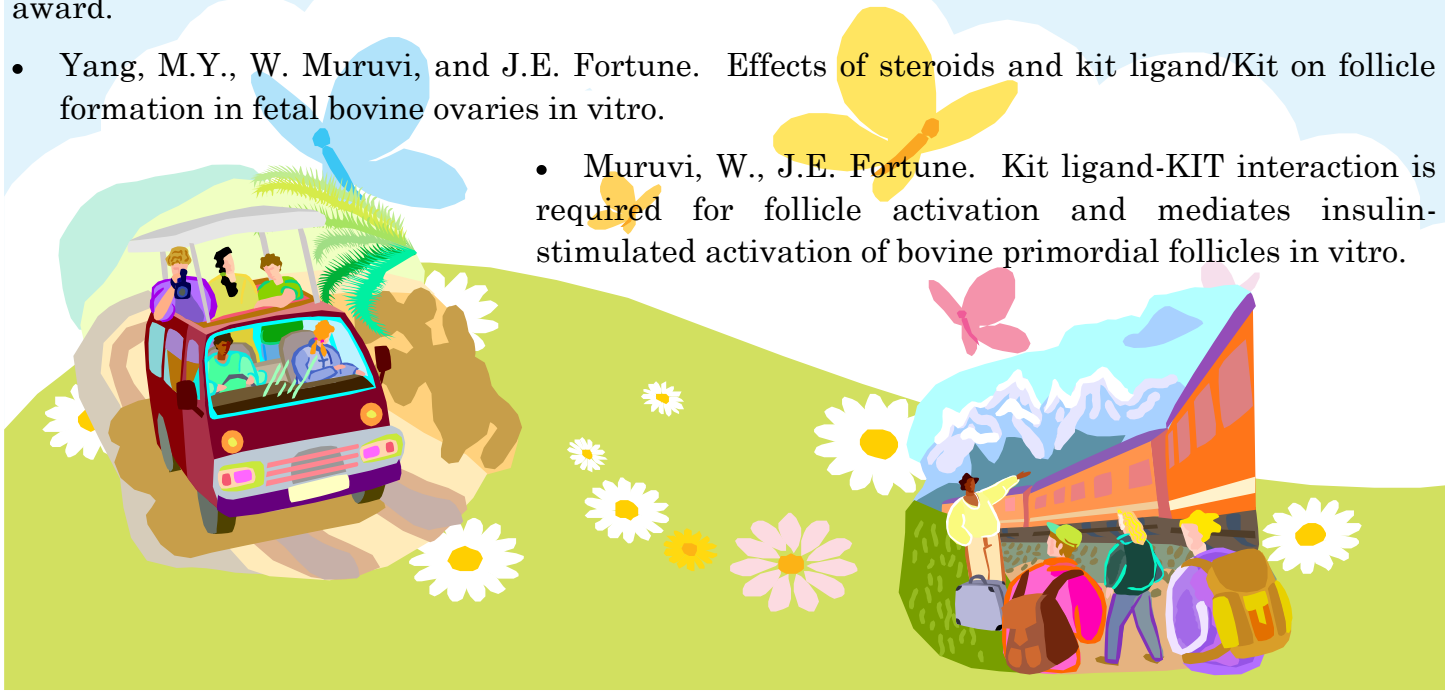


Congratulations to David Infanger on passing his doctoral thesis defense on Tuesday, June 23, 2009 at the University of Iowa.

Meetings

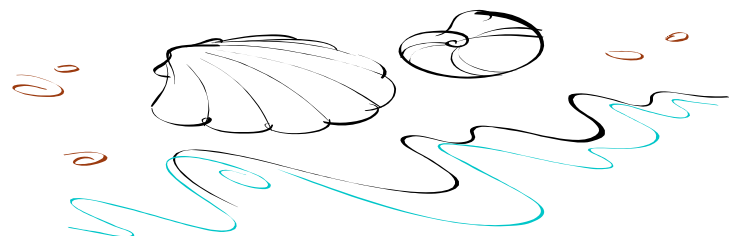
On July 18-22, the Fortune lab attended the annual meeting of the Society for the Study of Reproduction in Pittsburgh, PA. Oral presentations by lab members are listed below. In addition, at the meeting Dr. Wanzi Muruvi was the recipient of a USDA NRI Merit Award of \$500; awardees were selected after evaluation of the abstracts of trainees who are eligible for the award.

- Yang, M.Y., W. Muruvi, and J.E. Fortune. Effects of steroids and kit ligand/Kit on follicle formation in fetal bovine ovaries in vitro.
- Muruvi, W., J.E. Fortune. Kit ligand-KIT interaction is required for follicle activation and mediates insulin-stimulated activation of bovine primordial follicles in vitro.



Welcome!

Dr. Lucas Siquiera has joined the Fortune lab for a year as a visiting graduate student in the Field of Comparative Biomedical Sciences. Lucas has a veterinary degree from the University of Santa Maria in Santa Maria, Brazil, where he is currently a doctoral candidate. He is at Cornell on a fellowship from the Brazilian government to continue and expand his research on the role of angiotensin II in the cascade of changes induced in bovine preovulatory follicles by the LH/FSH, which triggers ovulation and meiotic maturation of the oocyte. Lucas is here with his wife, Dr. Patricia Wolkmer, who is also a veterinarian and has an MS in clinical pathology, and his son Luiz Felipe.



Farewell!



The Gunn lab would like to say thank you and good-bye to all the friends we didn't get a chance to see before we left. If you're ever passing through Great Falls, Montana, please stop and say hi!



Publications

- Daugherty, E., *Going through the phases. Response: Approve and monitor*. Lab Anim (NY), 2009. **38**(5): p. 144.
- Donnelly, E., M.G. Ascenzi, and C. Farnum, *Primary cilia are highly oriented with respect to collagen direction and long axis of extensor tendon*. J Orthop Res, 2009.
- Garner, C.D., Antonopoulos, D. A., Wagner, B., Duhamel, G. E., Keresztes, I., Ross, D. A., Young, V. B., and Altier, C., *Perturbation of the small intestinal microbial ecology by streptomycin alters pathology in a Salmonella enterica serovar Typhimurium murine model of infection*. Infect Immun, 2009.
- Grodio, J.L., E.L. Buckles, and K.A. Schat, *Production of house finch (Carpodacus mexicanus) IgA specific anti-sera and its application in immunohistochemistry and in ELISA for detection of Mycoplasma gallisepticum-specific IgA*. Vet Immunol Immunopathol, 2009.
- Munroe, R.J., Prabhu, V., Acland, G. M., Johnson, K. R., Harris, B. S., O'Brien, T. P., Welsh, I. C., Noden, D. M., and Schimenti, J. C., *Mouse H6 Homeobox 1 (Hmx1) mutations cause cranial abnormalities and reduced body mass*. BMC Dev Biol, 2009. **9**: p. 27.

**Questions or Suggestions
regarding this Newsletter?**

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The Points of Interest Newsletter is published monthly by the Department of Biomedical Sciences of the College of Veterinary Medicine at Cornell University

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. The next Administrative Networking Lunch will be August 13, 2009 from 12-1pm in Schurman Hall, room S1-007.



F.Y.I.

Effective July 1st, all Seminar Speaker's (even US Citizens) have to fill out a W-9 Form to submit with their Payment Request for the Speaker's Fee. This should be done when the speaker is here, or else payment may be held up. For a .pdf copy, please click on the link below:

[Form W-9](#)

