Research News for the College of Veterinary Medicine - September 2010

News Index

- OSUCVM welcomes Dr. Schelhorn
- Dr. Rosol elected to AVMA Council on Research
- Drs. DeWille and Leone awarded Pelotonia Idea Grant
- Save the Date Biomedical Shared Resources Workshop Sept. 20th-28th
- CVM Council for Research Update
  - Welcome new members!
- Vet Student Summer Program Update
  - Field trip to Cincinnati Zoo Center for Research of Endangered Wildlife (CREW)
  - Program Finale 9/14
- Selected Recent Publications
- Upcoming Seminars and Workshops
- Grant Support Office Update
  - New OSU Office of Research Website
  - Funding Opportunities Resources
  - Upcoming Funding Opportunities
    - What You Need to Know

Dr. Jean Schelhorn joins CVM

Dr. Jean Schelhorn, formerly Associate Vice President of Technology Licensing and Commercialization in the Office of Research, has joined the College as our Director of Commercialization to promote the capture, maturation, and commercialization of intellectual property for College investigators. She will serve as a "point-of-contact" within the Office of Research and Graduate Studies to accelerate licensing and commercialization efforts. Dr. Schelhorn will work closely with Dr. Larry Mathes, newly appointed Special Liaison for Industrial Commercialization, and Dr. Michael Lairmore, Associate Dean for Research and Graduate Studies to prioritize potential opportunities, provide commercialization strategies, and encourage a culture of entrepreneurship within the College. In FY10 Ohio State University revenues from licensing were $1.907M; this is the third best revenue year in Ohio State's history. The top 4 revenue producing colleges in rank order were: Veterinary Medicine; Engineering; Pharmacy; and Food, Agricultural and Environmental Science. Welcome Dr. Schelhorn!
Dr. Rosol Elected to National Research Council

Dr. Tom Rosol has been elected to the national AVMA Council on Research; members serve six-year terms. The Council promotes scientific investigation in all areas of veterinary medicine by maintaining liaison relationships with biomedical research organizations; recommending strategic alliances within and outside of veterinary medicine to support research that advances animal and human health; communicating with the veterinary profession, the biomedical research community, public agencies, and the general public to promote the role, significance, and relevance of veterinary biomedical research in improving animal and human health; establishing veterinary research priorities; providing recommendations on research policies and priorities; reviewing research grant proposals; selecting research award winners; and promoting the dissemination of research information. Dr. Rosol also serves on the NIH National Center for Research Resources Council and the federal USDA Advisory Board.

Pelotonia Idea Grant Awarded to Study Cancer

Drs. James DeWille and Gustavo Leone were one of the first ten IDEA Pelotonia Grant awardees. Their team will receive a two-year, $100,000 Pelotonia Idea Grant to fund their "high-risk, high-reward" cancer research project. The grants are funded with a portion of the $4.5 million raised last year during the inaugural Pelotonia grassroots cycling tour to benefit cancer research at OSUCCC-James. This year's first ever Pelotonia Idea Grants will allow investigators to engage in a variety of cancer research projects. One way in which heredity can play a part in the development of some cancers is when an individual inherits a normal gene from one parent and a defective gene from the other. How the presence of the defective gene increases the risk of developing cancer is not well understood. Drs. DeWille and Leone will use a unique transgenic mouse model and state-of-the-art methods to investigate this problem. The results of this work will answer important questions in mechanisms of heritable cancers and promote the development of new approaches to detection and treatment. "Genomic Analysis of Primary Tumor Lesions as an Approach to Early Chemoprevention"

Biomedical Shared Resources Workshop

Mark your calendar for a workshop series that will include shared resources and core facilities presentations on techniques, services and capabilities available to support all Ohio State University and Nationwide Children's Hospital biomedical researchers. From writing grant applications and developing research proposals to analyzing, processing and interpreting data, the experts from our shared resources will be there. The workshop is co-sponsored by the Center for Clinical and Translational Science, the Ohio State University Comprehensive Cancer Center-James Cancer Hospital and Solove Research Institute, the College of Medicine and the Office of
Council for Research Activities - Update

Council for Research is going through a transition of new membership from faculty. Rolling off the Council are Drs. Chuck Brooks, Tracey Papenfuss and Päivi Rajala-Schultz; renewing for another term are Drs. Matthew Allen and Wondwossen Gebreyes; starting new terms are Drs. Tom Rosol, Tom Wittum and Li Wu; and coming back for their second year are Drs. Jim DeWille, Bill Kisseberth, Chris Adin and Gireesh Rajashekara. We thank those members who are leaving and welcome to those who are new and returning! Council is also in the process of updating their charter and procedures, and hopes to have that completed this fall.

Veterinary Summer Student Research Program - Update

The Summer Research Program took a field trip down to the Cincinnati Zoo to get a behind-the-scenes tour of their Center for Research of Endangered Wildlife (CREW). Dr. Bill Swanson, Director of Animal Research, gave an overview of the current research going on in their program and listed possible ideas for future projects in partnership with our Summer Research Program and other fellowship opportunities. After lunch, we were given a tour of the animal and plant facility and then we were able to go out on our own around the zoo before heading back to Ohio State. Next up for the program is our Finale scheduled for Tuesday, September 14, 2010 from 12:00-3:00 pm. We will begin with a seminar hour in the Wexner Auditorium and then have poster presentations by the students in the Hummel Grand Lounge.

Selected Recent Publications

- Risk factors associated with cataracts and lens luxations in captive pinnipeds in the United States and the Bahamas. Colitz CM, Saville WJ, Renner MS, McBain JF, Reidarson TH, Schmitt TL, Nolan...
Seminars and Workshops

**Discovery, Innovation and Commercialization Workshop Series.** The Center for Clinical and Translational Science (CCTS) in collaboration with the Fisher College of Business and the OSU College of Medicine are pleased to announce an upcoming workshop series of 5 sessions on Discovery, Innovation and Commercialization. This series will provide CCTS pilot study awardees, K scholars and other interested clinical and translational investigators with enhanced capabilities and support in the area of translating scientific discoveries into commercially applicable and innovative products and services that lead to improved patient outcomes. **Workshops are scheduled on specific topics on Fridays, 1:00 - 4:00 pm, October 8, and October 29, 2010. Register to participate in the workshop series**

"**Tools of the Trade**" on September 13, 2010. **Registration** is now open for The Center for Clinical and Translational Science's (CCTS) Tools of the Trade on September 13, 2010. The event will take place in the Ohio Union Cartoon Room from 8:00 a.m. - 4:00 p.m. This day long event will provide new investigators with the tools and resources needed to get their research up and running. Topics will include: participant recruitment; working with mentors; organizing and collecting data; publishing; and a mock IRB review. The event is free and open to investigators across campus. Lunch will be provided. For more information, contact Stephanie Vecchiarelli at stephanie.vecchiarelli@osumc.edu.

The NIH Department of **Bioethics videocast seminar series** will be hosted by the OSU Center for Clinical & Translational Science. The videocast seminar series will take place on Wednesdays, from September 22-November 3, from 8:30-11:30 am, in Suite 205/Room 258 Prior Health Sciences Library. A certification of participation will be issued by the NIH to those who attend all of the sessions, and complete the evaluation sheets and pre-/ post tests. If you are interested in participating, contact Carson.reider@osumc.edu or 293-9274. View the syllabus and/or for further information.

The **17th Annual Midwest Microbial Pathogenesis Conference (MMPC)** will be held September 10-12th, 2010 in St. Louis, MO (hosted by Washington University). More information.

**Zoonoses: Understanding the Animal Agriculture and Human Health Connection** will be held Sept. 23-24, 2010 at the Grand Hyatt Hotel, Washington, D.C. international experts from multiple disciplines who will examine the interrelationships of zoonoses, animal agriculture and human health. The full conference program, as well as on-line registration is available at the **Farm Foundation Web site**.
Grant Support Office - Updates

New! OSU Office of Research Web Site: Visit the redesigned Ohio State University Office of Research web site. Click on the "For Researchers" tab to find information on animal care and use, human research protections, sponsored programs, funding opportunities, business and industry collaborations, compliance, research policies, and training. In addition, you can access up-to-date information on research expenditures, current initiatives, Office of Research centers and institutes, faculty awards and honors, undergraduate and graduate research opportunities, and much more. Visit the "Spotlight on Research" for up-to-date news for the Ohio State research community.

Funding Opportunities Resources

**COS Funding Opportunities Database** - An up-to-date, keyword searchable database of announcements for grants, fellowships, and awards from around the world. Searches may be saved to create weekly e-mail alerts based on specific search criteria such as research areas of interest, academic disciplines, and/or sponsors. Online education is available.

**COS Expertise Profile** - Individuals are encouraged to create and maintain an expertise profile to facilitate professional networking within the university, national, and international communities.

**Limited Submission Funding Opportunities Report** - The Office of the Vice President for Research maintains this report that lists current opportunities where the sponsor has placed a limitation on the number of applications allowed to be submitted by the university. Each limited submission funding opportunity provides researchers with an online submission/upload process for pre-proposal materials. Each applicant's associate dean for research reviews the application materials and then recommends the Ohio State nominee. This report also lists the nominee selected by the committee.

**COS Scholar Universe** - This new, keyword searchable, editorially controlled database of more than 2 million published scholars is now available for use by all members of the Ohio State research community. Scholar Profiles include key biographical information, research interests, selected publications, and contact information. Searches may be used to identify, assess, and contact relevant scholars who are actively working in their field based on their research, publishing, and professional credentials. Information from COS Expertise Profiles is regularly sent to COS Scholar Universe.

**e-Protocol Training Resources (IACUC and IBC)** User guides, with screen shots and step-by-step e-Protocol instructions, are now available for study teams and department endorsers. The guides and a schedule of training classes are posted at: Research Online.

Upcoming Funding Opportunities

New Grant Program! The OSU Center for Clinical and Translational Science (CCTS) and the College of Veterinary Medicine are accepting applications for Pilot Project Funding. The
The purpose of this funding is to encourage investigators to address integrated solutions to complex clinical and translational problems through the use of animal sciences. It is expected that through generation of preliminary data this funding will facilitate acquiring extramural support for research on disease processes relevant to human health. Due date is October 1, 2010 by noon. [More information and complete instructions](#).

**Pelotonia Postdoctoral Cancer Research Opportunity.** Application deadline Wednesday (9/1). Up to 12 postdoctoral researchers regardless of nationality will receive a competitive stipend for two year cancer research fellowships that are for cancer related projects in any field of study. The next opportunity to apply for a Pelotonia Postdoctoral Fellowship will be in December, 2010. Contact: [Jeffrey.Mason@osumc.edu](mailto:Jeffrey.Mason@osumc.edu). [Read more](#).

**Grayson-Jockey Club** invites Research Grant proposals in equine health. **Due October 1, 2010.**

**National Science Foundation:** Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences. **Due Oct 1, 2010.**

**The Bill & Melinda Gates Foundation** is now accepting grant proposals for Round 6 of Grand Challenges Explorations, an initiative to encourage innovative and unconventional global health solutions. Grant proposals accepted online until **November 2, 2010.** Initial grants will be up to $100,000, and promising projects will have the opportunity to receive additional funding of up to $1 million. [More information](#).

**Winn Feline Foundation** invite Research Grant Proposals in feline health. **Due Dec. 13, 2010** [More information](#).

**NIH Funding opportunities**

- **Immune Defense Mechanisms at the Mucosa Cooperative Study Group (U01)**
  LOI due 9/22/10. Application due 10/22/2010

- **NIH Pathway to Independence Award (Parent K99/R00)**
  Due 10/12/2020 AIDS-Related Due 9/7/2010

- **SHIFT Award: Small Businesses Helping Investigators to Fuel the Translation of Scientific Discoveries [SBIR: R43/R44]** Due 12/05/2010

- **NIAID Advanced Technology SBIR (NIAID-AT-SBIR [R43/R44])** Due 12/05/2010

**USDA Opportunities**

- **Agriculture and Food Research Initiative:** NIFA Fellowships Grant Program **Due 10/5/10**
Clinical and Translational Science Opportunities

CCTS RFA: Pilot for Early Stage Investigators - Deadline October 1, 2010. The Ohio State University Center for Clinical and Translational Science (CCTS) is now accepting applications for Pilot Project Funding. The purpose of this funding mechanism is to encourage early stage investigators to address integrated solutions to complex clinical and translational problems. All early stage OSU and NCH faculty researchers interested in clinical or translational science are welcome to apply. For additional information and application guidelines, please visit our website.

CCTS RFA: Career Development Program (KL2) - Deadline October 15, 2010. The OSU Center for Clinical and Translational Science (CCTS) is seeking applicants for the NIH Clinical and Translational Science Award (CTSA) KL2 Career Development Program. The overall goal of the KL2 program is "to help ensure that a diverse pool of highly trained scientists are available in adequate numbers and in appropriate research areas to address the Nation's biomedical, behavioral, and clinical research needs." Letter of Intent instructions also can be found on the OSU CCTS website.

What You Need to Know - F&A Costs on Sponsored Projects

Facilities and Administrative (F&A, aka indirect costs or overhead) costs are those costs passed onto the Sponsor to help support the research enterprise at OSU including depreciation of building and equipment, costs of operation and maintenance of the physical plant, libraries, and general administration at the central, institute and departmental levels (such as clerical support, IT support, etc.) as well as sponsored programs). Importantly, these costs cannot be directly associated with an individual project but are part of the general costs of conducting research. OSU has a federally negotiated rate of 52.5% for on-campus research and 26% for clinical trials and off-campus research. These monies are collected by the central Administration and allocated to individual units is based on statistics such as expenditure dollars, square footage of space occupied, population (i.e. number of faculty, students and staff), and salaries and wages. University policy is that investigators include the appropriate F&A in all proposal budgets. Kate Hayes-Ozello has prepared a white paper for more information that is available on the CVM Office of Research and Graduate Studies website.

For more information please contact Dr. Kate Hayes-Ozello, College of Veterinary Medicine Grants Support Office at Kathleen.Hayes-Ozello@cvm.osu.edu or Ms. Michele Morscher at Michele.Morscher@cvm.osu.edu