Research News - October 2010

News:
- Dr. Garabed awarded first NSF grant in the CVM
- Dean King chairs IOM Planning Committee on Tick-borne diseases
- OSU Office of Research “Celebrate Research” Month
- New Shared Resource: Laser Microdissection Core
- On Research blog
- CVM Council for Research Update: New members and election of officers
- Vet Student Summer Program Update: 2010 Program Finale
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Dr. Garabed Awarded National Science Foundation Grant to Model Foot and Mouth Disease

Dr. Rebecca Garabed, Assistant Professor in Veterinary Preventive Medicine and colleagues Drs. Mark Moritz (Anthropology), Song Liang (Public Health), Ningchuan Xiao (Geography) were recently awarded a $1.4M grant from the National Science Foundation entitled “Livestock Movements and Disease Epidemiology in the Chad Basin: Modeling Risks for Animals and Humans”. The project centers on Foot and Mouth Disease (FMD) in cattle and how movement of livestock affects disease epidemiology. The project will use FMD in the Chad Basin for model development, but the resulting models could be used to understand and predict the transmission patterns of infectious diseases in other contexts, for example, diseases in pastoral systems elsewhere in the world; avian flu and the interaction among migratory and non-migratory birds; and spread of HIV along trucker routes in Africa. The goal of Dr. Garabed’s Disease Ecology and Computer Modeling Laboratory (DECML) is to use both field research and computer simulations along with rigorous statistical analysis and validation to improve understanding of the
mechanisms driving the transmission and persistence of diseases in populations of animals and humans. Preliminary data for this grant and support to hire Dr. Garabed was made possible by funds from the Public Health Preparedness in Infectious Disease Program. Congratulations Dr. Garabed and team!

Dean King Chairs Institute of Medicine Committee

Dean Lonnie King is chairing the planning committee for the Institute of Medicine Committee on Lyme Disease and other Tick-borne Diseases: State of the Science workshop, scheduled for Monday (10/11)-Tuesday (10/12) in Washington, D.C. The event will examine critical needs and gaps in understanding the prevention, amelioration, and resolution of Lyme and other tick-borne diseases. Dr. King became a member of the Institute of Medicine of the National Academies in 2004. For more information:
http://www.iom.edu/Activities/Disease/TickBorne.aspx

NOVEMBER IS CELEBRATE RESEARCH MONTH!

Celebrate Research month is an annual recognition and celebration of research at OSU. During November, The OSU Office of Research will sponsor a series of events to highlight the research at OSU as well as the high level support services available to researchers. Please see http://ortec.osu.edu/celebrationofresearch/ for more information and a calendar of events.

RESEARCH EXPO: This year's Celebration of Research Expo will take place in the Ohio Union from 8:30 a.m. to 4 p.m. Wednesday November 3, 2010 Dr. Caroline Whitacre, Vice President for Research at OSU will deliver her inaugural "State of Research" address at 8:30 AM in the Ohio Union.

New Research Awards: OSU Office of Research Call for Innovator of the Year and Early Career Innovator of the year Nominations due October 15, 2010: Each award is intended to recognize an Ohio State researcher who is working actively to promote commercialization of university intellectual property, through invention disclosures filed, patents applied for and/or received, technologies licensed, or spinoff companies formed. A maximum of TWO nominations from each college for each category (a total of four nominations per college) will be accepted. The nominees may be faculty members as well as staff. Winners will be announced following Dr. Whitacre’s “State of Research” address at the Research Expo: http://research.osu.edu/2010/09/call-for-nominations-innovator-of-the-year-award/

New Shared Resource: Laser Microdissection Core: Primary tissues are heterogeneous, being an admixture of various cell types. This heterogeneity can affect the
outcome and interpretation of molecular studies. Laser microdissection enables the investigator to isolate samples of pure cell populations, single cells, or even subcellular fragments for further genetic or proteomic profiling. The LCM core was opened recently (Jan 2010) to serve the growing needs of translational research at OSU. For more information: https://lcm.osu.edu/index.cfm.

On Research – Blog about OSU Research: A new study is showing that sound bites are replacing real reporting of research news in prestige media like the New York Times. That’s good news for people who are either too busy or unwilling to understand research. Not good, however, for the public understanding of science. Read more at: http://researchnews.osu.edu/blog

COUNCIL FOR RESEARCH ACTIVITIES - UPDATE

The CVM Council for Research met on September 15, 2010. We welcomed new members: Drs. Rosol, Wittum, and Wu, and returning members: Drs. Adin, Allen, DeWille, Gebreyes, Kisseberth, and Rajashekara. Dr. Matthew Allen was elected Chair and Dr. Tom Rosol as Vice-Chair for the 2010-2011 year. The Council continues to work on updating the charter and procedures. The American Association of Veterinary Medical Colleges (AAVMC) has developed a new award for Excellence in Research. The Council recommended that Dr. Rosol be put forth for this national award.

VETERINARY STUDENT SUMMER RESEARCH PROGRAM - UPDATE

The 2010 Summer Research Program came to an end on September 14, 2010 with the students presenting their projects in a poster presentation format. The end of summer wrap up event was highlighted by presentations by three of CVM graduate students. Drs. Eason Hildreth, Pamela Fry and DJ Haeussler provided an overview of their research and career paths. Next, the veterinary students presented their posters to teams of graduate student judges. The graduate students scored each presentation, listing strengths and weaknesses of the posters and oral presentation. The comments were then given back to the veterinary students and their mentors for future use. We ended the day with a
reception that enabled the students to mingle with one another. If you missed the poster session, you will be able to find an electronic book of abstracts at the following link: http://vet.osu.edu/research/2010-summer-veterinary-scholar-research-program.

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**RECENT GRANT AWARDS & PUBLICATIONS**

**GRANT AWARDS**
Dr. John Hubbell, Alpaca Research Foundation: “The pharmacokinetics of midazolam in adult alpacas”

Dr. Steve Krakowka, National Pork Board: “A modified-live prototype vaccine for PCV-2 in swine”

**PUBLICATIONS**


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**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

- **OSUCCC-James Grand Rounds** will take place each Friday morning (with exception of the 2nd Friday of every month, holidays, and weeks that interfere with national conferences) from 8 – 9 a.m. in room 518 of the James Cancer Hospital and Solove Research Institute. Breakfast and coffee will be provided for your convenience staring at 7:45 a.m. The next Grand Rounds of the 2010/2011 season will be on Friday, October 1, 2010.

- **Biosafety BSL3 Training Course** Didactic and Practical Biosafety Education for the Host-Pathogen Investigator will be held November 1-4, 2010 at the Howard Taylor Ricketts Laboratory. Registration information is now available on the GLRCE website (http://www.glrce.org/)

- 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 3-9274. Go to http://www.bioethics.nih.gov/hsrcc/ to view the syllabus and/or for further information.

- **Upcoming training offered through the Office of Sponsored Programs** http://osp.osu.edu/training/ (registration required)
  - PI Portal Practice Lab 10/4/2010

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**GRANT SUPPORT OFFICE – UPDATES**

**CCTS Membership:** The Ohio State University Center for Clinical and Translational Science (CCTS) was created to represent Ohio State in the National Institutes of Health Clinical and Translational Science Award (CTSA) national consortium to bring us closer towards achieving the national goal of enhancing the translation of basic science discovery to improve human health by enabling researchers to work in unprecedented ways towards the advancement of medical research. The CCTS invite all faculty and staff
engaged in clinical and translational science at Ohio State, OSU Medical Center, Nationwide Children’s Hospital, and our community partners to join together to support this goal as a registered member of the CCTS.

CCTS membership benefits include:

- **Communication**: Members are added to the CCTS distribution list to keep you informed about CTSA consortium-wide activities, training programs, funding opportunities, etc.
- **Collaboration**: Members receive multiple opportunities to interact through program project and interdisciplinary team development groups, social networking and web portals, scientific meetings, and exposure to national opportunities available through other CTSA member sites.
- **Education**: Members participate in clinical and translational educational training programs, sponsored conferences and educational programs, lectures featuring national and international speakers, mentoring and career development support, symposia and other interdisciplinary events.
- **Research Resources**: Members have preferential scheduling and reduced pricing for shared resources and services underwritten by the CTSA grant as listed on the CCTS website, [http://ccts.osu.edu/content/requesting-ccts-research-resources](http://ccts.osu.edu/content/requesting-ccts-research-resources), use of conference and central CCTS educational facilities, and support letters for extramural funding applications.
- **Eligibility for Funding**: Members meeting criteria for principal investigator status are eligible to apply for internal funding opportunities such as pilot awards.
- **Membership in the Society for Clinical and Translational Science**: Ohio State has an institutional membership that entitles you to complimentary electronic newsletters and journal subscription, reduced registration fee at the annual meeting, and many other benefits. [https://www.ctssociety.org/Members/tabid/55/Default.aspx](https://www.ctssociety.org/Members/tabid/55/Default.aspx)

The membership application process via our website link [http://ccts.osu.edu/membership](http://ccts.osu.edu/membership) is short and easy. Membership in the CCTS can be in addition to membership in other OSU Centers.

**American Society for Microbiology International Grant Program**

- **Fellowship Program: Host a Young Scientist** open to promising young investigators in Africa, Asia (including Eastern Europe and Russia) and Latin America and the Caribbean who are pursuing any of the microbiology disciplines. [http://www.asm.org/International/fellowship](http://www.asm.org/International/fellowship)
- **Professorship Program: Teach a Short Course Abroad** provide ASM members with funding to teach hands-on, highly interactive short courses on single topics in the microbiological sciences at institutions of higher learning in resource limited countries in Africa, Asia (including Eastern Europe and Russia) or Latin America and the Caribbean.
- **ASM-PAHO Infectious Diseases Epidemiology and Surveillance Professorship** provides funding specifically for ASM members in the US to teach short courses in the area of **antimicrobial resistance** at institutions of higher learning in Bolivia, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador,
Guatemala, Haiti, Honduras, Nicaragua, Panama, Paraguay, or Peru.  
http://www.asm.org/International/professorship

UPCOMING FUNDING OPPORTUNITIES

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

- **Alpaca Foundation** provides funding for alpaca-related research **pre-proposals** due November 1, 2010  
  www.alpcaresearchfoundation.org

- **Pew Scholars Program in the Biomedical Sciences** is designed to support young investigators of outstanding promise in the basic and clinical sciences relevant to the advancement of human health. **Limited Submission Opportunity**  
  http://rf.osu.edu/fundops/detail.cfm?strFOID=2405

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

- **National Science Foundation:** Ecology of Infectious Diseases program supports the development of predictive models and the discovery of principles governing the transmission dynamics of infectious disease agents.  

- **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.  
  http://www.grandchallenges.org/Pages/default.aspx

- **Winn Feline Foundation** invites Research Grant Proposals in feline health. **Due Dec. 13, 2010**  
  www.winnfelinehealth.org

NIH Opportunities

- Innovative **Emerging Molecular Analysis Technologies** (SBIR R43/R44) (RFA-CA-10-013) National Cancer Institute  
  Application Receipt Date(s): **November 8, 2010; February 8, 2011**  

- Limited Competition for the **Global Research Initiative Program**, Basic/Biomedical Sciences (R01) (PAR-10-278) Application Receipt/Submission Date(s): **January 10, 2011**  

- NIH Pathway to Independence Award (Parent K99/R00) [http://grants.nih.gov/grants/guide/pa-files/PA-10-063.html] due 10/12/2020


USDA Opportunities

- Agriculture and Food Research Initiative: NIFA Fellowships Grant Program Due 10/5/10 [http://www.csrees.usda.gov/fo/afrinifellowshipsgrantprogram.cfm]

- Agriculture and Food Research Initiative – Dual Purpose with Dual Benefit Due 11/3/10 [http://www.csrees.usda.gov/fo/researchinbiomedicineandagricultureafri.cfm]

Clinical and Translational Science Opportunities

- CCTS RFA: Pilot for Early Stage Investigators – Deadline October 1, 2010. For additional information and application guidelines, please visit our website at [www.ccts.osu.edu](http://www.ccts.osu.edu).

- CCTS RFA: Career Development Program (KL2) – Deadline October 15, 2010. Letter of Intent instructions also can be found on the OSU CCTS website at: [www.ccts.osu.edu](http://www.ccts.osu.edu)

NIH Policy Changes

NIH NOT-OD-10-115 ([http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-10-115.html](http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-10-115.html)) Effective for 09/25/2010, NO supplemental material, additions, revisions, corrections or amendments can be submitted/accepted after submission of the application, unless there are unforeseen administrative issues, i.e., the death of the PI or the PI has recently changed institutions. This new policy does not apply to RFAs with only one due date.
NIH NOT-OD-10-123 (http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-123.html) Beginning with the January 25, 2011 due date, NIH will eliminate the error correction window of 2 days after the due date that allowed you to make corrections to your submitted application. This elimination does not affect the two-business-day application viewing window.

WHAT YOU NEED TO KNOW – Patents & Copyrights
A patent excludes others from making, using and selling protected intellectual property (IP) for 20 years from the date an application for patent was filed in the US. Patentable items must be useful, novel, and non-obvious. Patents can apply to IP generated from research grants, contracts and cooperative agreements. Types of patents include utility patents (machines, processes, manufactures, compositions of matter, improvements thereon); design patents; and plant patents. Copyrights protect certain original works against copying (literary, musical, architectural, dramatic works; motion pictures; software); allows rewards for the author and covers the author’s life plus 70 years. For IP generated by federal grant that is subject to patent or copyright, grantee must provide government with a purpose-use license (patents) or a royalty-free license (copyrights); a portion of license revenue should be provided to the inventor and to the institution to support research & education. For more information, http://research.osu.edu/researchers/policies/patents-and-copyrights/

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