Tuesday, March 7, 2017

Announcements | Recent Notable Publications | Funding Opportunities | Events & Educational Opportunities | Highlighted Researcher

Announcements

**Reminder: Research Resources 101: HERCULES Exposome Research Center**
Thursday, 3/16 at noon. School of Medicine, room 170A. Miriam Vos and Carmen Marsit will define the concept of the exposome and its integral role in etiologic and clinical research, describe the resources available through the HERCULES Exposome Research Center to promote and enhance environmental health research, and identify clinical and population resources available for researchers throughout the university. Register

Department of Medicine and Woodruff Health Sciences host this annual all day seminar featuring oral and poster presentations of health services research from across the institution, as well as a keynote address by Martin Adel Makary, MD, MPH, from Johns Hopkins School of Medicine. Abstract submission is open through Friday, 3/31. RSVP | Read more...

**Reminder: FAME 2017 Grant Program**
The Department of Medicine (DOM) is accepting applications for the eighth round of the FAME (Fostering the Academic Mission in the Emory DOM) grant program, which is designed to provide support for clinical faculty to dedicate up to 20% of their professional time to scholarly activity, including research, education, quality improvement (QI) projects, and mentoring. Letters of intent are due 3/13. Application guidelines | Read more...

**Division of Animal Resources (DAR) to launch new communication tool**
In an effort to improve communications between DAR and the animal research community, DAR will create listserv mailing lists for each lab that is actively using animals. These new mailing lists will allow PIs or their proxy to add/remove staff members who are to receive DAR email communications such as mortality reports, scheduled facility maintenance updates, and general administrative notifications. This initiative aims to provide customers with the ability to target DAR communications to key team members. Questions? | Read more (PDF)...

**IACUC seeking investigator input on the current IACUC Elements form**
The IACUC has formed a subcommittee to specifically address concerns about the current Elements form (e.g., form questions, instructions, and architecture) and develop ways for improving it. Underlying issues with Elements performance and function are being addressed by other mechanisms. Please provide feedback regarding the form and specifically those areas you found most improved (if
any) and those that you found to be difficult (if any). Specific comments and suggestions for form improvement will be most helpful. Comments?

**Featured Resource of the Month: New Clinical Trial Policies**
If your trial is at least partially funded by the NIH, there are new policies for registering and reporting data starting in 2017. The CTSA at UAB created this short video to explain the policy. [Watch now](#)

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**Funding and Award Opportunities**

**Weekly NIH funding opportunities and notices**

**Federal funding opportunities for public health faculty**

**CFAR-Series Spring Grant Cycle**
**Deadlines:** April 3 (LOI)
Center for AIDS Research (CFAR) Development Core CFAR-series grants help to move junior faculty toward independent investigator status in HIV research at NIH by funding mentored research projects that will strengthen the competitiveness of their subsequent NIH applications. Also see the related CFAR Grant Prep Workshop in Events. CFAR-series funding mechanisms:
- CFAR-03
- CFAR-C
- CFAR-K

**US AMRMC: Malaria - Immunology**
**Deadline:** Monday, 5/1
Research involves (1) analysis of cellular and humoral immune responses to malaria vaccine candidates, and (2) elucidation of cellular mechanisms involved in mediating anti-malaria protective immunity in human and murine model systems induced by immunization with radiation-attenuated and genetically-attenuated Plasmodia sporozoites. Vaccines involving recombinant Plasmodium falciparum CSP, LSA-1, AMA-1, and MSP-1 are being developed in pre-clinical and clinical Phase I and Phase II trials. A major effort is devoted to studies of liver-stage immunity using a panel of newly discovered liver-stage antigens. [Read more...](#)

**NIH/NIDA: Advancing Exceptional Research on HIV/AIDS and Substance Abuse (R01)**
**Deadline:** Saturday, 7/22 (LOI)
This funding opportunity announcement supports highly innovative R01 applications on HIV/AIDS and drug abuse and complements the Avant-Garde Award Program for HIV/AIDS and Drug Use Research and the Avenir Award Program for Research on Substance Abuse and HIV/AIDS. The Avant-Garde Award supports individuals who conduct high-risk, high-reward research and does not require a detailed research plan. The Avenir Award is similar to the Avant-Garde Award but focuses on support for early stage investigators. Applications submitted under this FOA are required to have a detailed research plan and preliminary data. [Read more...](#)

**NIH/NIMH: Innovations in HIV Testing, Adherence, and Retention to Optimize HIV Care Continuum Outcomes (R01 and R21)**
**Deadline:** [Standard AIDS dates apply](#)
The health and preventive benefits of treatment for HIV/AIDS, regardless of CD4 count, are now unequivocal. In the United States and globally, ambitious goals have been targeted for HIV testing, adherence, and retention in care to optimize HIV clinical outcomes and preventive benefit. Additional tools are needed to inform the gaps and strategies that are unique to particular populations, cities, regions, and countries. [R01](#) and [R21](#) available.

**NIH/NICHD: Biomarkers: Bridging Pediatric and Adult Therapeutics (R21)**
**Deadline:** [Standard dates apply](#)
This FOA encourages grant applications that propose adapting adult biomarkers to children. This would include the application and validation of biomarkers developed in adults to pediatric diagnosis, prognosis, and estimation of disease progression, toxicity, and response to therapy. Projects supported by this FOA will include those biomarkers that correlate with a clinical observation, have been extensively studied in adults, and for which there is solid evidence of pediatric
applications. Discovery of new biomarkers for use in new drug development or in preclinical studies is also part of this FOA. Read more...

Searchable database of internal medicine funding opportunities

**Congratulatory Corner**

Jessica Alvarez, PhD, RD (Endocrinology) received the 2017 Distinguished Service by a Researcher Award from the Georgia Academy of Nutrition and Dietetics. This award recognizes a dietetics professional for his/her research accomplishments related to food and nutrition.

**Upcoming Division Research Seminars**

Click anywhere on the table below to add to your calendar. You may need to download images.

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<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Seminar</th>
<th>Location</th>
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<tbody>
<tr>
<td>Tues 3/7</td>
<td>5 p.m.</td>
<td>Renal Grand Rounds: “Childhood hypertension – why does it matter?”</td>
<td>(Marc B. Lande - University of Rochester Medical Center) School of Medicine Building, Room 170</td>
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<td>Thurs 3/9</td>
<td>7:30 a.m.</td>
<td>Geriatrics and Gerontology Research Seminar: “Meditation intervention for caregivers” (Jennifer Mascaro)</td>
<td>Wesley Woods Health Center, 5th floor conference room</td>
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<td>8 a.m.</td>
<td>Infectious Diseases Seminar: “Medical ethnobotany and the discovery of antibiotic potentiators” (Cassandra L. Quave - Department of Dermatology)</td>
<td>Claudia Nance Rollins Building, KLAMON Room, 8th floor</td>
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<td></td>
<td>8 a.m.</td>
<td>Pulmonary Research Conference: “Metabolomics for biomarker discovery in critical illness: is there utility in ARDS?” (Annette Esper)</td>
<td>Whitehead Conference, Room 200</td>
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<tr>
<td>Mon 3/13</td>
<td>9 a.m.</td>
<td>Cardiovascular Biology Seminar: Presented by Jennifer Kwong (Department of Pediatrics)</td>
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View all Dept. of Med. research events

**Recent Notable Publications**

Habib Samady (Cardiology)
Sushma Cribbs (Pulmonary)
Cribbs SK, Beck JM. "Microbiome in the pathogenesis of cystic fibrosis and lung transplant-related disease." Transl Res. 2017 Jan;179:84-96. Read more...

Emad Qayed (Digestive Diseases)
Abdeljawad K, Wehbeh A, Qayed E. "Low prevalence of clinically significant endoscopic findings in outpatients with dyspepsia." Gastroenterol Res Pract. 2017;2017:3543681. Read more...

Evan Anderson (Infectious Diseases)

Robert Hoover (Renal Medicine)
Liu Y, Rafferty TM, Rhee SW, et al. "CD8(+) T cells stimulate Na-CI co-transporter NCC in distal convoluted tubules leading to salt-sensitive hypertension." Nat Commun. 2017 Jan 9;8:14037. Read more...

*We select publications for this newsletter from those that cite the Department of Medicine. You may also submit a publication to be featured.*

**Events & Educational Opportunities**

**Upcoming events for postdocs**
- **Lab management course** In response to the NIH requirement for laboratory management training for K grants and career development grant applications and to support the future success of postdocs transitioning into independent research, the Office of Postdoctoral Education is offering a training course in "Laboratory Management.” The course has five two-hour sessions with two major topics covered in each session in one-hour segments. Topics include: setting up your own lab, budget, hiring people, data management, and managing the tenure process. Classes are scheduled from 2:45-4:45 p.m. on the following dates: 3/8, 3/21, 4/5, 4/27, 5/9. Course is limited to 35 registrants. Register
- **Grants 101** Thursday, 3/9 from 12-2 p.m. in Woodruff Memorial Building, room 6011. This introductory session, offered by OPE, will cover everything postdocs need to know about grants: how to find grants/funding to apply for, what kind of grants postdocs can apply for, getting started with grant writing, and setting up a timeline for submitting a grant application. Junior faculty are welcome. Register
- **“What is significant in the significance section?”** Thursday, 3/9 from 2:30-3:30 p.m. in Woodruff Memorial Building, room 6011. This workshop, offered by OPE, will describe the purpose, structure, and content of the significance section of the research strategy. How much information is too much? How do you decide what to include? The new criteria for inclusion of a scientific premise will also be discussed. Junior faculty are welcome. Register

**Pediatrics Research IT Information and Exchange: Session 1 “Data Driven Resources to Assess Project Feasibility”**
Friday, 3/10 at noon in Egleston, Classroom 5-7. The first of six sessions will highlight i2b2, Pop Disco, GaTech OMOP for Pop Disco/OHDSI, and more. A light lunch will be provided. RSVP | Read more...

**Reminder:** Ensuring diversity, inclusion, and meaningful participation in clinical trials: The model of the ABC cardiovascular study
Friday-Saturday, 3/10-11 at the Omni Atlanta Hotel at CNN Center Atlanta, GA. This training workshop will feature medical experts from the Clinical Trials and Community Physicians Network, Duke University Medical Center, and the Merck Corporation. The ABC Cardiovascular Study will serve as a resource for enrolling research participants, ensuring compliance and alignment of ethical requirements, and managing and sharing research data with appropriate study stakeholders. Read more...

**Reminder:** K-Club: How to create a successful mentoring relationship
Monday, 3/13 at noon in Egleston, classrooms 5-7. The K-Club provides an educational forum to assist
fellows and faculty. Presented by David M. Guidot, MD, Jeffrey R. Pine Endowed Professor of Medicine; director, Division of Pulmonary, Allergy, Critical Care and Sleep Medicine. A light lunch will be provided.

**Reminder:** CFAR-Series Grant Prep Workshop
Tuesday, 3/14 & 3/21 from 11 a.m. to 1 p.m. in the Rollins School of Public Health, room 1045. The CFAR Developmental Core is offering a two-part CFAR-series application preparation workshop that is applicable to people planning to apply for CFAR funding by either the May 1 or November 1, 2017 deadline. Register | Read more (PDF)...

**Save the Date! Emory Integrated Core Facilities: Core Week**
Monday-Friday, 4/24-28 Questions?
Submit an event to be featured here

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**Highlighted Researcher**

**Kiyoko Takemiya, MD, PhD (Cardiology)**

Dr. Takemiya joined Emory from Kurume University in Japan. She recently received an American Heart Association Scientist Development grant to support her research on the detection of bacterial infections associated with medical devices. Currently, the diagnosis of device infection is made based on symptoms or clinical signs, and when it is diagnosed, the infection has already expanded and damaged the surrounding tissue. Dr. Takemiya’s work aims to detect infection in the very early stages with no clinical signs or symptoms, which will help to improve the prognosis of patients and to reduce unnecessary surgeries.

To detect small amount of bacteria, Dr. Takemiya’s team focused on the differences in sugar metabolism between bacteria and mammalian cells. Maltodextrin, a kind of sugar, is used by bacteria as a major energy source through the “maltodextrin transporter,” but cannot be internalized by mammalian cells. The maltodextrin transporter is large enough to pass an imaging probe conjugated with maltodextrin or its analogue, leading to accumulation in bacteria, and allowing sensitive and specific detection of bacteria. Dr. Takemiya uses rat models to test these maltodextrin and maltodextrin analogue-based imaging probes for near infrared imaging and positron emission tomography (PET) imaging to detect the existence of bacteria. In her free time, Dr. Takemiya enjoys cooking, reading, playing with jigsaw puzzles, and crafting.

Nominate a Highlighted Researcher

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