Announcements

Early & mid-career faculty encouraged to contact NIH to express interest in the next generation research initiative NIH has launched the Next Generation Researchers Initiative to address longstanding challenges faced by researchers trying to embark upon and sustain independent research careers, and to take steps to promote the growth, stability and diversity of the biomedical research workforce. The initiative allocated approximately $210 million in FY2017 and an additional $210 million each year for four years to support additional meritorious early stage and mid-career investigators. Read more

Translational science 2018 awards & honors nominations due Friday 2/9. Nominate a clinical investigator or educator who deserves to be honored for his or her valuable contributions to translational science at the Translational Science 2018 Conference in April in Washington, DC. Read more

Webinar: Research with older adults- recruitment and retention efforts: Thursday 3/22 at noon EDT. This webinar will discuss methods used to engage older adults in research. Whether research is conducted targeting groups with overt physical and mental challenges, or targeting relatively more independent adults with few physical or mental complications, the challenge of connecting with the community itself is of high importance. Strategies for success based on lessons learned from multiple research experiences with older adults will be discussed. Register

Highlighted Resource

The Department of Medicine PATHS (Professional Advancement Tracks for Health Sciences) were created as a guide for faculty as they navigate through their careers. Divided by career year and mission area, these paths act as guidelines for accomplishments towards
promotion. Check out the Research Scientist and Clinical Investigator PATHS to success! Read more

**Funding & Award Opportunities**

- Weekly NIH funding opportunities and notices
- Federal funding opportunities for public health faculty
- Searchable database of internal medicine funding opportunities

**Implementing the most successful interventions to improve HIV/AIDS outcomes in U.S. communities (R01 and R21).** The goal of the FOA is to translate and adapt the most successful global, evidence-based HIV related service provision strategies to marginalized populations in the U.S. with a substantial risk of HIV infection and AIDS. Standard dates apply | Read more

**NIH: The health of Sexual & Gender Minority (SGM) populations (R01, R21, R03 clinical trial optional).** This FOA focuses on sexual and gender minority (SGM) populations, including lesbian, gay, bisexual, transgender, and intersex populations. Basic, social, behavioral, clinical, and services research relevant to the missions of the sponsoring Institutes and Centers may be proposed. Standard dates apply | Read more

**Reminder!** Emory BIRCWH Program Requests for Applications. Deadline: Thursday 2/1. The Emory Building Interdisciplinary Research Careers in Women's Health (BIRCWH), is a highly
selective career development program for junior faculty interested in women’s health research and/or sex/gender science. The ultimate goal of the BIRCWH program is to train junior faculty, through a mentored research and career development experience, to become independent investigators who use novel, interdisciplinary approaches to advance the science of women’s health and sex/gender research. **Read more**

**Research starter grants health outcomes. Deadline: Thursday 2/1.** This grant is designed to assist individuals beginning independent research careers in health outcomes at the faculty level. Health Outcomes research spans a broad spectrum of issues related to health-care delivery, from studies evaluating effectiveness of a pharmaceutical intervention, to the impact of reimbursement policies on outcomes of care. It also ranges from the development and use of tools to perform patient-based assessments to analyses of ways in which results of outcomes research are disseminated to providers or consumers to encourage behavior change. **Read more**

**Target identification in lupus (TIL) program & novel research grant program. Deadline: Friday 2/9.** Target Identification in Lupus (TIL) grant awards support highly meritorious research focused on the identification and scientific and/or clinical advancement of therapeutic targets that will lead to new therapies for lupus. Novel Research Grants (NRG) provide early stage support for highly innovative approaches to major challenges in lupus research. Special emphasis is placed on lupus studies exploring fundamental mechanisms, novel targets and pathways, novel technologies, and interdisciplinary approaches. **Read more**

**Strengthening detection of emerging infectious diseases in India. Deadline: Tuesday 3/20.** Sponsored by the Department of Health and Human Services, the purpose of this Notice of Funding Opportunity (NOFO) is to build upon and strengthen the detection, response and prevention work initiated under the Global Health Security Agenda (GHSA) in India. **Read more**

**Evidence-informed approaches to improving health outcomes for people living with HIV (PLWH). Deadline: Monday 3/26** This program, offered by the Department of Health and Human Services, is focused on supporting a single organization that will systematically identify, catalog, disseminate, and support the replication of evidence-informed approaches and interventions to engage PLWH who are not receiving HIV health care (i.e., individuals who are not currently in care or have never been in care) or are at risk of not continuing to receive HIV health care. **Read more**

**Exploratory clinical trial grants in arthritis and musculoskeletal and skin diseases (R21 clinical trial required). Deadline: Tuesday 3/27.** This funding opportunity, offered by the Department of Health and Human Services, is designed to facilitate clinical trials that can be completed within a limited timeframe and budget. A broad range of types of exploratory studies may be submitted to this FOA. The trials must address research questions related to
the mission and goals of the NIAMS and may evaluate interventions with drugs, biologics, devices, or surgical, dietary, behavioral or rehabilitation therapies. Read more

Expanding the human genome editing repertoire (U01 clinical trial not allowed). LOI: Friday 3/2, Deadline: Tuesday 4/3. This funding opportunity, offered by the Department of Health and Human Services, aims to develop innovative genome editing systems with improved specificity, efficiency, or functionality over currently available systems. Expanding the repertoire of genome editing tools would accelerate the development of novel genome editing therapeutics to treat a broad array of rare and common diseases. Read more

Topics in biological, physiological, and behavioral adaptations to spaceflight: biological, physiological, and behavioral functions of mice during partial (0 1) G-exposures provided by centrifugation on the international space station. Deadline: Wednesday 4/4. NASA is requesting proposals that will quantify the effects of varying G-levels on biological (physiological, cellular, and molecular) and behavioral responses in mice centrifuged using the JAXA Mouse Habitat Unit onboard the International Space Station’s Kibo module. Sponsored by the National Aeronautics and Space Administration (NASA). Read more

Congratulatory Corner

Dr. Vincent Marconi (Professor of Medicine, Division of Infectious Diseases) has accepted an invitation to serve as chairperson of the National Institute of Health’s International and Cooperative Projects- 1 Study Section, Center for Scientific Review.

Division Research Seminars

Thursday 2/1 at 8:00 a.m.  Infectious Disease Seminar: “Adult immunization: update from the CDC” (Cindy Grace Crum Rollins Building, Rita Anne Rollins Room, 8th Floor, SPH
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<tr>
<th>Event Date</th>
<th>Time</th>
<th>Event Name</th>
<th>Speaker/Details</th>
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<tbody>
<tr>
<td>Thursday</td>
<td>2/1 at 8:00 a.m.</td>
<td>Pulmonary Research Conference: “Natural product inhibitors of staphylococcal virulence and pathogenesis: relevance to the CF lung”</td>
<td>Cassandra Quave</td>
<td>Whitehead Biomedical Research Building, Conference Room 200</td>
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<td>Friday</td>
<td>2/2 at noon</td>
<td>Cardiovascular Clinical Research Conference: “Cutaneous microvascular &amp; sensory nerve function in non-hispanic blacks and whites”</td>
<td>Brett Wong, Georgia State University</td>
<td>Emory University Hospital, Hurst Conference Room, Room E450</td>
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<td>Monday</td>
<td>2/5 at 9:00 a.m.</td>
<td>Cardiovascular Biology Seminar: “BMP signaling and blood vessels”</td>
<td>Victoria Bautch</td>
<td>Emory University Hospital, Hurst Conference Room, Room E450</td>
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<tr>
<td>Monday</td>
<td>2/5 at 5:00 p.m.</td>
<td>Endocrine Conference: “PCOS from an REI’s perspective + REI trivia”</td>
<td>Sumathi Srivatsa and Jennifer Kawwass</td>
<td>Woodruff Memorial Research Building, Room 317</td>
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<td>Tuesday</td>
<td>2/6 at 5:00 p.m.</td>
<td>Renal Grand Rounds: “Functions of autophagy in metabolism, cell injury and inflammation - lessons from the liver”</td>
<td>Mark Czaja</td>
<td>School of Medicine, Room 170A</td>
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**Recent Notable Publications**
Jessica Alvarez (Endocrine), Vin Tangpricha (Endocrine)


Lilin Lai, Nadine Rouphael, Yongxian Xu, Muktha Natrajan, Allison Beck, Mari Hart, Henry Wu, Jessica Fairley (Infectious Diseases)


Nanette Wenger (Cardiology)


Events

Coulter Commercialization Seminar Series: IP 201. Thursday 2/1 at 11:00 a.m. (Virtual Meeting): Patentability, Freedom to Operate, Prior Art, and Patent Strategies. Join Meeting

Emory Center for Faculty Development and Excellence (CFDE): involving undergraduates in your research (innovative pedagogies series). Thursday 2/8 from 10:30-12:00 p.m., Woodruff Library 217. The CFDE’s Innovative Pedagogies Series highlights and reflects on the challenges and rewards of teaching across traditional intellectual boundaries. Panelists will discuss training and supervising undergraduate students through SURE and the Oxford Research Scholars program to conduct research in the humanities, in the field, and in the laboratory. Featuring Erin Tarver (Assistant Professor of Philosophy) and Annette Neuman (Assistant Professor of Chemistry). Register here
Emory Core Day 2018- Thursday, 2/8 from 3:00-5:00 p.m., Cox Hall. Learn about shared resources and core facilities available to support your research from across the state. Collaborate with other cores in your state and provide your thoughts on what we can do to work together. Read more

Research Resources 101: “Amazon web services” Thursday 2/15 at noon, SOM 190P. Presented by Circe Tsui and Blair Boyd, LITS, Emory University. Register here

Register now: Georgia Clinical & Translational Science Alliance statewide conference. Thursday 2/22 - Friday 2/23, Chateau Elan, Braselton, Georgia. Attendees are invited to learn more about the Georgia CTSA services and ways the alliance accelerates clinical and translational science in Georgia and beyond. Georgia CTSA education, clinical research support, collaboration and coordination, community engagement, evaluation and quality, expert assistance, and pilot grant services will be presented, with a focused session on translation services and an evening networking reception. Clinical and translational science advances within the state of Georgia will be showcased through abstract and poster presentations on day two, a KL2 panel discussion, and dynamic keynote speakers. Read more

13th international symposium on biomechanics in vascular biology & cardiovascular disease: Thursday 4/12- Friday 4/13 at Emory University. Bringing together engineers, scientists, and clinicians to examine the role of biomechanics in cardiovascular biology and disease. Read more

Highlighted Researcher

An-Kwok Ian Wong
Division of Pulmonary, Allergy, Critical Care and Sleep Medicine

What is your professional background?
Originally, I am a biomedical and electrical/computer engineer from Duke. I pursued my PhD
in intelligent systems and medical informatics at the University of Pittsburgh and my MD from Case Western Reserve University. My westward journey took a sudden turn south to Emory for my residency in internal medicine. The ICUs have always captured my interest, so since then, I’ve started as a first year pulmonary/critical care fellow here at Emory.

In what division do you work, and who is your mentor?
I’m proud to be in the division of pulmonary/critical care medicine, and my mentoring panel, led by Dr. Timothy Buchman, also includes Drs. James Blum and Gari Clifford.

Briefly describe your research. Why is it important?
The combination of the immense body of medical knowledge (doubling every five years) with the torrent of clinical data flooding the hospital every second forces clinicians to drink from a fire hose to care for patients. My research in ICU informatics uses machine learning to leverage knowledge gleaned from the thousands of other patients to create algorithms that can predict clinical events, like sepsis, before they happen. With sufficient forewarning, we may be able to mitigate disease progression and, hopefully, prevent the need for an ICU. Previously, my dissertation work developed a new algorithm for discovering disease associations from whole exome sequencing. I hope to combine -omics with clinical decision support to further refine medical practice.

What do you like most about Emory?
Emory’s collaborative and supportive culture truly makes patient care, and collaborations a pleasure.

What is your favorite movie or TV show?
*Sherlock* is simply brilliant!

What do you like to do in your spare time?
When I get the chance, I love to go out ballroom dancing and to find collaborators for medical innovation.