Welcome to Research Roundup—the Johns Hopkins Bayview Scientific Advisory Board's (BSAB) new bi-monthly research newsletter. Through this newsletter, we’ll be shedding light on exciting research news happening on the Johns Hopkins Bayview campus, and providing updates on events and funding opportunities for Medical Center faculty.

School of Medicine Ranked #2 in Nation on U.S. News List of Best Research-Oriented Medical Schools

U.S. News & World Report has ranked the Johns Hopkins School of Medicine #2 in the nation on its 2019–20 list of the best research-oriented medical schools. The School of Medicine has consistently earned one of the top spots in this assessment, and this year’s ranking is another well-deserved achievement.

This year, four of our specialties were ranked #1, more than any other medical school, and two were ranked #2. Six specialties improved their ranking.

#1 Internal Medicine
#1 Anesthesiology (up from #3)
#1 Radiology (tied; up from #2)
#1 Surgery (up from #2)
#2 OB/GYN (up from #3)
#2 Psychiatry (up from #5)
#4 Pediatrics (up from #5)

If you are interested in finding out more, please send your inquiries to BayviewViceDean@jhmi.edu.

Research Highlight:
Johns Hopkins Bayview Bridges Research Efforts with NIDA!

In early February, Johns Hopkins Bayview research leadership and members of the Johns Hopkins Bayview Scientific Advisory Board met with NIDA leadership to discuss various collaboration opportunities. We are excited to announce that our two organizations have plans to join forces in the near future. One key piece of information that came from the meeting was that NIDA has several Core Facilities available for use by Johns Hopkins Bayview researchers:

- Electron Microscopy Core
- Ex vivo Electrophysiology Core
- Genetic Engineering and Viral Vector Core
- Histology Core
- Structural Biology Core

If you are interested in finding out more, please send your inquiries to BayviewViceDean@jhmi.edu.
New “Out of the Lab” Lecture Series Launches April 24

Interested in the laboratory happenings around the Johns Hopkins Bayview campus? You will not want to miss this new lecture series where basic scientists are invited to speak about their research. The “Out of the Lab” Lecture Series serves as an opportunity to enhance basic science collaboration on campus.

The first of the series will take place in the Asthma & Allergy Center Norman Library on Wednesday, April 24, from 10 to 11 a.m.

We are excited to announce that our first featured speaker will be Bloomberg Distinguished Professor of Diabetes and division director of endocrinology, diabetes and metabolism, Dr. Rexford Ahima. Please join us to learn more from our exceptional researchers on campus!

DOM WSE 2019 Research Retreat

Despite the winter weather, the 2019 Department of Medicine/Whiting School of Engineering Research Retreat on March had a nice turnout and was a great way to showcase research at JHU. Many thanks to Dr. Leroy Hood, M.D., Ph.D., our keynote speaker, for presenting his talk: “How Technology, Big Data and Systems Approaches are Transforming 21st Century Healthcare.”

We would also like to thank the “Think Big Panel,” who presented ideas and examples of how big data, documented and compiled in one specific place, can aid physicians and researchers in seeing patterns that we otherwise would have missed. One example given by panelist Michael Miller, Ph.D., was an MRI Cloud. The cloud serves as a database of images and diagnoses that can be used in the creation of reports by auto-populating interpretations. The collaboration of Big Data will benefit medicine by leading to improved treatment outcomes for patients.

Call for Merit Preceptors and Research Mentors

The MERIT Health Leadership Academy is a program based on the Johns Hopkins Bayview campus that offers high school students opportunities for academic advancement and hands-on experience in the various clinical and research settings of health care. MERIT scholars are provided with career exposure by shadowing up to 20 different health care providers in real-world situations. MERIT is changing the face of health care one scholar at a time while increasing diversity among the next generation of health professionals in Baltimore.
**Clinical Preceptors**

MERIT Baltimore is seeking clinical preceptors of all specialties and health care professions to provide exposure to interested, talented Baltimore city high school scholars. MERIT handles all HIPAA compliance, scheduling and logistics. Clinical preceptors are needed for three-hour blocks Mondays through Thursdays from July 1 to August 2.

If you have any questions, contact blossom.tewelde@meritbaltimore.org.

**Research Mentors**

MERIT Baltimore is seeking research scientists to mentor interested, talented Baltimore city high school scholars in the lab. MERIT handles all lab skills training, scheduling logistics and mentor orientation. Students are given the opportunity to present their work at the conclusion of their summer. The commitment is every morning (9 a.m. to 12 p.m.) for five weeks (June 24 to July 26, except July 4).

If you have any questions, email blossom.tewelde@meritbaltimore.org.
Save the Date:
Johns Hopkins Bayview Research Symposium

December 6, 2019

The 14th Annual Johns Hopkins Bayview Research Symposium will be held on Friday, December 6, from 8 a.m. to 1 p.m. in the Richard A. Grossi Atrium and Auditorium of the Asthma & Allergy Center. Hosted by the Office of the Vice Dean and the Johns Hopkins Bayview Scientific Advisory Board, this year’s symposium focuses on artificial intelligence.

Keynote Speaker: Atul Butte, M.D., Ph.D., the Priscilla Chan and Mark Zuckerberg Distinguished Professor and inaugural director of the Bakar Computational Health Sciences Institute at the University of California

Stay tuned for more information!
Calling All Abstracts!
5th Annual Johns Hopkins Sleep & Circadian Research Day

We are excited to announce that for a fifth year we will be holding the annual Johns Hopkins Sleep and Circadian Research Day. This event provides a venue for new investigators and trainees to present their research, highlights sleep and circadian research being conducted at Johns Hopkins and neighboring institutions, and facilitates interdisciplinary interactions and collaborations.

This year's event will be held Monday, June 24, in the Tilghman Auditorium and Turner Concourse (Miller Research Building, The Johns Hopkins Hospital). Please note the change in venue from previous years!

Our keynote speaker is Dr. Jack Edinger, who will speak about "CBTI and Hypnotics: Treatment Combinations, Treatment Sequencing, and Hypnotic Fading Strategies." To learn more about Dr. Edinger's research interests, please click here.

SUBMIT YOUR ABSTRACT BY APRIL 12

PRE-REGISTER HERE BY JUNE 10

Hopkins on the Hill 2019:
Application Deadline March 18

Hopkins on the Hill is a biennial showcase of the incredible range, value and impact of federally-funded research and programming. Early career researchers and practitioners from across the Johns Hopkins community are invited to apply to display and discuss their research. This year's event is tentatively scheduled for Wednesday, June 12, from 5 to 7:30 p.m.

Eligibility:
- Must be available from 1 to 9 p.m. on June 12 (this includes shuttle time to and from D.C.)
- Be an early-career faculty member or practitioner, generally at the assistant or associate professor level, or equivalent
- Have a project that is currently federally-funded
- Be excited to discuss the importance of federal research funding!

APPLY TO PRESENT YOUR RESEARCH
We would like to share with you the opportunity to attend NIDA’s opioid translational research symposium on Wednesday, May 22, at the NIDA-IRP on the Johns Hopkins Bayview campus. The agenda is above.

For more information, contact Adrienne Snyder at adrienne.snyder@nih.gov.
Precision Medicine Symposium, May 30

Convene with national thought leaders in individualized health to examine the opportunity of improving patient care by discovering patient subgroups with secure cloud-based data science. Become inspired by the precision medicine initiative at Johns Hopkins and learn about applications beyond the academic medical center setting. The Symposium will be held on Thursday, May 30, from 8 a.m. to 6:30 p.m. in Turner Auditorium at The Johns Hopkins Hospital.

Explore an exhibit hall with more than 20 core organizations that enable fundamental precision medicine functions, including omics, biostatistics and clinical research.

Monthly BSAB Meetings

Do you have an interest in fostering innovative and collaborative research programs at Johns Hopkins Bayview? If so, we cordially invite you to attend a meeting of the Johns Hopkins Bayview Scientific Advisory Board. Chaired by Dr. Nadia Hansel, associate dean for research, the BSAB meets the third Tuesday of each month in the MFL Center Tower, 4th Floor Conference Room.

Our next meeting of the year is on Tuesday, April 16, from 9:30 to 10:30 a.m. with Dr. Kenzie Preston, chief of the clinical pharmacology and therapeutics research branch of NIDA, as our featured speaker.
Online Research Calendar

Keep a pulse on research-related events happening on the Johns Hopkins Bayview campus through the online research calendar where you can browse FRESHLY UPDATED events. If you have a research event that you would like added to the calendar, please send an email to BayviewViceDean@jhmi.edu.

Research Opportunities

Johns Hopkins Catalyst Award

These grant awards of up to $75,000 support the promising research and creative endeavors of our early career faculty with the goal of launching them on a path to a sustainable and rewarding academic career. The program encompasses funding, mentoring opportunities, and the chance to join a cohort of peers at a similar stage in their career. The funds are allocated on a competitive basis in response to an annual university-wide request for applications.

Amount of award: Up to $75,000

DEADLINE: APRIL 1

Johns Hopkins Discovery Award

The Johns Hopkins Discovery Awards provide grant awards to cross-divisional teams, comprised of faculty and/or non-faculty members from at least two schools or affiliates of the university, who are poised to arrive at important discoveries or creative works. The expectation is that these awards will spark new, synergistic interactions between investigators across the institution and lead to work of the highest quality and impact. These awards are not intended to support already established projects or minimal extensions of ongoing research or professional programs.

Amount of award: Up to $100,000

DEADLINE: APRIL 1

Marion Spencer Fay Award

The award goes annually to a woman physician or scientist who has made an exceptionally significant contribution to health care as a practitioner, medical educator, administrator or research scientist. Awarded by the Drexel University College of Medicine Institute for Women’s Health and Leadership.

Amount of award: $10,000

DEADLINE: MARCH 27

Gustav O. Lienhard Award

Presented by the Institute of Medicine of the National Academies for outstanding achievement in improving health care. Award recipients are selected on the basis of two principal criteria:

1. achievement in the area of personal health services
2. achievement of national scope

Amount of award: $25,000

DEADLINE: MAY 17
Rhoda and Bernard Sarnat International Award in Mental Health

The Rhoda and Bernard Sarnat International Award in Mental Health is awarded annually to individuals, groups, or organizations for outstanding achievement in improving mental health services, research or public policy. The aim of the Sarnat Award is to recognize contributions to improve understanding or treatment for mental disorders (basic biomedical or clinical research); innovations in mental health services (counseling, clinical care, prevention, amelioration of symptoms, or promotion of mental health); or public policy change that fosters science or improves mental health services.

**Amount of award:** $20,000

**DEADLINE:** MAY 17

Bower Award and Prize for Achievement in Science

Presented in a predetermined field of interest chosen each year by the Franklin Institute. The theme of the 2020 Bower Award for Achievement in Science is Neural Networks for Machine Learning.

**Amount of award:** $250,000

**DEADLINE:** MAY 31

Prince Mahidol Award

One award for outstanding performance and/or research in the field of medicine for the benefit of mankind, and the other for outstanding contribution in the field of public health for the sake of the well-being of the peoples.

**Amount of award:** $100,000

**DEADLINE:** MAY 31

Contact Us

Do you know about an award recipient, funding opportunity or faculty member’s new publication not listed here? Email BayviewViceDean@jhmi.edu with the details, and we’ll include it in our next issue.