

RESEARCH MONTH April 2024

Monday, April 1

12:00 PM – 5:00 PM **Research Month Opening Ceremony and Luncheon**

Location: Interdisciplinary Research Building, Multipurpose Room

Wednesday, April 3

12:00 PM - 5:00PMNinth Annual Interprofessional Education Workshop: Arts,
Humanities, Health Justice: An Interprofessional Collaboration to
Healing

This workshop will provide an understanding of the importance of interprofessional collaboration, enhance your interprofessional communication skills, increase your understanding of medical humanities and the intersection between health providers, art, and health outcomes, and discuss the value of rat as a healing form in patient care.

Presenters:

Dr. Dana A. Willians, Professor, English, College of Arts & Sciences, Dean, The Graduate School & Co-Executive Director of the Georgetown-Howard Center for Medical Humanities and Health Justice (MHHJ)

Dr. Lakshmi Krishnan, Assistant Professor of Medicine, Director, Georgetown Medical Humanities Initiative & Co-Executive Director of the Georgetown-Howard Center for Medical Humanities and Health Justice (MHHJ)

Dr. Sharon M. King, Visual and Performance Artist, Cultural Anthropologist and Arts Educator, Founder, A MINOR ENTERPRISE

Ms. Phylicia Rashad, Inaugural Chairholder of the Toni Morrison Endowed Chair in Arts & Humanities, Dean, The Chadwick A. Boseman College of Fine Arts

Location: Armour J. Blackburn Center, Auditorium



Tuesday, April 9

12:00 PM - 2:00 PM The Graduate School Publishing Workshop

This workshop will provide strategies, best practices and an overview of the journal publishing process.

Presenters:

Dr. Terri Adams, Professor, Sociology & Criminology, College of Arts & Sciences Dr. Osinachi Ajoku, Assistant Professor, Atmospheric Sciences, College of Arts & Sciences Dr. Omari Swinton, Professor, Economics, College of Arts & Sciences Dr. Tia Tyree, Professor, Communication Studies, The Cathy Hughes School of Communication Dr. Dana Williams, Professor, English, College of Arts & Sciences, Dean, The Graduate School

Location: Interdisciplinary Research Building, Multipurpose Room

Wednesday, April 10

12:30 PM - 5:00 PM The Center for Applied Data Science & Analytics Symposium (CADSA) Symposium

The CADSA Symposium will feature CADSA Fellows and Faculty Scholar presentations on Data Science and Machine Learning, and Artificial Intelligence (AI) in Healthcare/Health Sciences.

Presenters:

Dr. Anthony K. Wutoh, Provost & Chief Academic Officer Dr. William Southerland, Professor, CADSA and RCMI Director, College of Medicine Dr. Nathan Alexander, Assistant Professor, Curriculum & Instruction, School of Education Dr. Edmund Ameyaw, Assistant Professor, Pharmaceutical Sciences, College of Pharmacy Dr. Anietie Andy, Assistant Professor, Computer Science, College of Engineering & Architecture Dr. Edward Cornwell, Professor, Surgery, College of Medicine Dr. Krishna Kumar, Professor, Pharmaceutical Sciences, College of Pharmacy Dr. Abiodun Otolorin, Assistant Professor, Community Health & Family Practice, College of Medicine Dr. Kenton Rambsy Associate Professor, English, College of Arts & Sciences Dr. Talitha Washington, Director, Atlanta University Center (AUC) Data Science Initiative, Clark Atlanta University Dr. Junrui Xu, Assistant Professor, Biology, College of Arts & Sciences Dr. Yan-Liang Yu, Assistant Professor, Sociology & Criminology, College of Arts & Sciences



9:00 AM - 3:00 PM Cancer Health Equity Symposium

The Howard University Cancer Center will host the Cancer Health Equity Scientific Symposium on Thursday, April 11. Clayton Yates, Ph.D., M.S., Professor of Pathology, Oncology, and Urology at Johns Hopkins Medicine will deliver the Keynote Address. The talk is titled *Reassessing Tumor Biology through the Lens of African Ancestry and Equity*. The symposium will highlight Howard University's research innovations in addressing cancer disparities.

Presenters:

Dr. Clayton Yates, Professor of Pathology, Oncology, and Urology, Johns Hopkins Medicine

Location: Barbara Jordan Conference Center, 1330 G St. NW, Washington, DC 20005

Thursday, April 11

3:00 PM - 8:00 PM *Computing for Social Good –* Dr. Juan E Gilbert

This signature event will include a research seminar, Innovative Voting Technologies, and Virtual Traffic Stop Demos; a panel discussion and UF CISE Graduate Program Innovation Booth.

Presenters:

Dr. Juan Gilbert, The Banks Family Preeminence Endowed Professor, University of Florida, National Medal of Technology, and Information Laureate



10:00 AM – 5:00 PM American Society for Microbiology (ASM), D.C. Branch Spring Meeting, *The Amazing Microbial World*

Join DC area microbial scientists (professionals and students) for an exciting meeting of science and networking. This year's Spring meeting is a one-day symposium highlighting innovative research as well as providing opportunities for networking and outreach.

Presenters:

Dr. Joanne Engel, Chief, Division of Infectious Disease, Department of Medicine, Director, Microbial Pathogenesis and Host Defense Program; Professor, Department of Medicine, University of California San Francisco

Dr. Karl Thompson, Associate Professor, Microbiology, College of Medicine and President-Elect, DC Branch of ASM

Dr. Courtney Robinson, Associate Professor and Interim Chair, Department of Biology, COAS

Location: Interdisciplinary Research Building, Multipurpose Room

Monday, April 15

12:00 PM – 3:00 PM Springer Nature Research Day

This symposium is an insightful presentation on global scientific research opportunities for faculty and students with Springer Nature Journal Editors and Leadership.

Presenters:

Ms. Eseohe Arhebamen-Yamasaki, Head of External Communications US Ms. Olaitan Orie, Senior Strategic Partnerships Manager Ms. Mimi Hendriks, Executive Licensing Manager



Tuesday, April 16

8:00 AM - 5:00 PM

University Industry Partnerships (UIDP) HBCU ENGAGE Conference

HBCU Engage is a unique forum that brings together representatives from all sectors to enhance partnerships and forge new collaborations. This annual event goes beyond talent recruitment and retention goals to engage representatives from HBCUs, industry, national labs and government agencies, and other universities. Practical sessions and candid discussions offer an unmatched opportunity for attendees to advance a range of goals, from multi-party collaboration for federal research programs to strengthening and enhancing research capacity.

Location: The Grand Baltimore, 225 N Charles Street, Baltimore, MD

Wednesday, April 17

8:00 AM - 5:00 PM University Industry Partnerships (UIDP) HBCU ENGAGE Conference

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Location: The Grand Baltimore, 225 N Charles Street, Baltimore, MD



8:00 AM - 5::00 PM Leadership Alliance 2024 Spring Conference

The Leadership Alliance, is a partnership of 23 institutions, focused on developing underrepresented students into outstanding leaders and role models in academia, business, and the public sector. The consortium includes Brown University, Caltech, Claflin University, Columbia University, Cornell University, Dartmouth College. Howard University, Morehouse College, Morgan State University, Spelman College, Tougaloo College, University of Puerto-Rico-Rio Piedras, University of Virginia, and Yale University.

Presenters:

Dr. Dexter Lee, Associate Professor, Physiology & Biophysics, College of Medicine

Location: Interdisciplinary Research Building, Multipurpose Room

Friday April 19

11:00 AM – 1:00 PM The Howard Effect- Making Sense of 2024 Elections

This seminar will feature a thought-provoking discussion on the 2024 presidential election, workplace politics and black politics.

Presenters:

Dr. Marcus Board Jr. Associate Professor, Political Science, College of Arts & Sciences Dr. Ayana Best, Assistant Professor, Political Science, College of Arts & Sciences Dr. Ravi Perry, Professor, Political Science, College of Arts & Sciences Dr. Elsie Scott, Professor, Political Science, College of Arts & Sciences, Director, Ronald W. Walters Leadership & Public Policy Center

Location: Interdisciplinary Research Building, Multipurpose Room

3:00 PM - 5:00 PM Airforce Work Project (AFWERX) Seminar

Mr. Daniel Caroll leads the management and execution for the \$1.3 Billion US Air Force and Space Force Small Business Innovation Research and Small Business Technology Transfer (SBIR/STTR) programs. Previously, Daniel was the Chief Engineer at USAF Kessel Run, the Technical Director at the US Special Operations Command Program Executive Office Fixed Wing aircraft, and the Autonomous Vehicles Lead Engineer for Space and Naval Warfare Systems Center. Daniel earned an MSx in Management from the Stanford Graduate School of Business through the USAF Civilian Development program and a BS/MSE in Electrical and Computer Engineering from Johns Hopkins University.

Presenters:

Mr. Daniel Carroll, AFWERX AF Ventures Director / Stanford Sloan MSx Fellow



Monday, April 22

10:00 AM-12:00 PM

Battelle Research Seminar

Battelle Scientists and Technology Fellows will present a seminar on research topics in Climate Science, Quantum, and Artificial Intelligence.

Presenters:

Ms. Storm Woods, Vice President of Diversity, Equity & Inclusion, Battelle

Location: Interdisciplinary Research Building, Multipurpose Room

1:00 PM – 5:00 PM **Dow Chemical - Howard University Climate Summit,** *Adaptation, Mitigation and Equity*

This summit will focus on building collaboration between Howard University and Dow Chemical focused on climate resilience research, infrastructure, curriculum development and programming.

Presenters

Dr. Terri Adams, Professor, Sociology & Criminology, College of Arts & Sciences & Deputy Director, NCAS-M

Dr. Osinachi Ajoku, Assistant Professor, Earth Environment & Equity. College of Arts & Sciences

Dr. Sen Chiao, Professor, Atmospheric Sciences, College of Arts & Sciences & NCAS-M Director

Dr. Steven Cummings, Assistant Professor, Chemistry, College of Arts & Sciences Dr. Rubin Patterson, Professor, Sociology & Criminology & Dean, College of Arts & Sciences

Dr. Joseph Wilkins, Assistant Professor, Earth Environment & Equity, College of Arts & Sciences

Dr. Patrick Ymele-Leki, Associate Professor, Chemical Engineering, College of Engineering & Architecture

Dr. Amy Beasley, Associate Sustainability Director, Water & Nature, Dow

Mr. Jarod D. Davis, Gov. Affairs Director, Social Equity & Environmental Justice, Dow

Mr. Tim Finley, Global Technology Leader, Environmental Operations, Dow

Dr. Patrick Hanley, R & D Director, Growth & Innovation & External Technology, Dow

Ms. Carrie Houtman, Sustainability Director, Climate & Circularity, Dow

Dr. Amanda Palumbo, Associate R& D Director, External Technology, Dow



Tuesday, April 23

12:00 PM – 5:00 PM Argonne National Laboratory (ANL) Seminar

Argonne National Laboratory will host a seminar to discuss an overview of its current multidisciplinary science and engineering research portfolio that seeks to address the biggest questions facing humanity. In addition, three of Argonne's current strategic initiative areas will be discussed: Artificial Intelligence (AI)/Computing, Microelectronics, and Quantum Information Science. Faculty and students will learn how to get involved in research partnerships and opportunities such as user facility programs, faculty exchange programs, undergraduate and graduate internships, and grant collaboration opportunities.

Presenters:

Dr. Meridith Bruozas, Institutional Partnership Director, ANL Dr. Sean Jones, Deputy Director for Science & Technology, ANL Dr. Phil Smith, Strategic Programs Manager, ANL Dr. Valerie Taylor, Argonne Distinguished Fellow & Division Director, ANL

Location: Interdisciplinary Research Building, Multipurpose Room

Wednesday, April 24

1:00 PM - 6:00 PM

Robotics, Artificial Intelligence (AI) & Community Outreach presented by the Institute for Human-Centered AI at Howard and Interactive Computing Group.

This symposium will feature research presentations from faculty and student researchers on innovative research in affective computing, human-centered computing, computer science education and robotics.

Presenters:

Dr. Jeremy Blackstone, Assistant Professor, Computer Science, College of Engineering & Architecture Dr. Todd Shurn, Associate Professor, Computer Science, College of Engineering & Architecture Dr. Gloria Washington, Associate Professor, Computer Science, College of Engineering & Architecture Dr. Saurav Aryal, Senior Research Scientist, Computer Science, College of Engineering & Architecture Dr. Jaye Nias, Senior Research Scientist, Computer Science, College of Engineering & Architecture



Dr. Lucretia Williams, Senior Research Scientist, Computer Science, College of Engineering & Architecture Ms. Nia Anderson, Undergraduate Student, Computer Science, College of Engineering & Architecture Mr. Christopher Watson, Undergraduate Student, Computer Science, College of Engineering & Architecture

Location: Interdisciplinary Research Building, Multipurpose Room

Thursday, April 25

8:00 AM - 5:00 PM	The Research Symposium
7:30 AM	Registration & Continental Breakfast
9:00 AM 12:00 PM	Oral & Poster Presentations Lunch
1:05 PM	Oral & Poster Presentations
5:00 PM	Closing
	Location: Interdisciplinary Research Building

Thursday, April 25

10 AM - 11:00 AM College of Arts & Sciences, Honors Program Faculty Fellows Seminar

This event will feature fellows from The College of Arts & Sciences Faculty Fellows program. The Honors Faculty Fellows shape the minds of America's future generation and teach students who are ready and able to change the world. The Honors Faculty Fellows are active researchers who mentor students in the Honors Program.

Presenters:

Dr. LaTanya Brown-Robertson, Professor, Economics, College of Arts & Science & Honors Program Director Ms. Andrea Calloway, Assistant Director, Honors Program, College of Arts & Sciences Dr. Amy Yeboah- Quarkume, Associate Professor, Afro-American Studies, College of Arts & Sciences Dr. Mesi Bakari-Walton, Assistant professor, World Languages and Cultures. College of Arts & Sciences



12:00PM - 1:00 PM

Dow Scholars Undergraduate Research (SURE) Seminar

This symposium will feature research technical talks and networking opportunities with Dow Scientists. The Dow SURE Scholars will also present their research presentations from 9am -12pm at the Research Symposium

Presenters:

Sophia Brooks, Chemistry, College of Arts & Sciences Makenna Davis, Biology, College of Arts & Sciences Alexis Duncan, Chemistry, College of Arts & Sciences Jordan Gray, Chemistry, College of Arts & Sciences Ankur Gyawali, Computer Science, College of Engineering & Architecture Kate Hall, Chemical Engineering, College of Engineering & Architecture Janet Johnson, Chemical Engineering, College of Engineering & Architecture Amber Jones, Chemistry, College of Arts & Sciences Treylin Lewis, Chemical Engineering, College of Engineering & Architecture Kaya Moody, Chemistry, College of Arts & Sciences Edward Onochie, Chemistry, College of Arts & Sciences Raiyan Rashad, Chemistry, College of Arts & Sciences Archarya Sameer, Computer Science, College of Engineering & Architecture Nisha Shrestha, Chemistry, College of Arts & Sciences Haley Warren, Chemistry, College of Arts & Sciences Marissa Wheeler, Chemical Engineering, College of Engineering & Architecture Jesenia Wofford, Chemistry, College of Arts & Sciences

Location: Interdisciplinary Research Building, Multipurpose Room

Thursday, April 25

2:00 PM –4:00 PM Brookhaven National Laboratory (BNL) Seminar

Brookhaven National Lab will host a seminar on research partnership opportunities for faculty and students. Attendees will learn about the lab's user facilities, faculty exchange programs, student internships and grant collaboration opportunities. The laboratory leads and supports diverse research teams including other National Laboratories, academia, and industry, by designing, building, and operating major scientific user facilities in support of its DOE mission. These facilities reflect BNL/ DOE stewardship of national research infrastructure critical for researchers—such as response to national emergencies (e.g., COVID-19 research). Energy and data science, nuclear science and particle physics, accelerator S&T, quantitative plant science, and quantum information science are Brookhaven's current initiatives.

Presenter:

Dr. John Hill, Deputy Director of Science & Technology, BNL



5:15 PM – 5:45 PM This Academic Life Podcast

Presenters:

Dr. Kim Lewis, Professor, Physics & Astronomy & Associate Dean for Research, College of Arts & Sciences Dr. Sonya T. Smith, Professor, Mechanical Engineering & Interim Director of Research Institute of Tactical Autonomy (RITA) UARC Dr. Pania Newell, Assistant Professor, Mechanical Engineering, University of Utah Dr. Lucy Zhang, Professor, Mechanical, Aerospace & Nuclear Engineering, Rensselaer Polytechnic Institute

Location: Interdisciplinary Research Building, Multipurpose Room

Friday, April 26

8:00 AM - 5:00 PM	The Research Symposium
7:30 AM 9:00 AM 12:00 PM 1:15 PM 5:00 PM	Registration & Continental Breakfast Oral & Poster Presentations Lunch Oral & Poster Presentations Closing
	Location : Interdisciplinary Research Building



10:00 AM – 11:00 AM Understanding my role in cancer research: Training Opportunities at The National Cancer Institute (NCI), National Institutes of Health (NIH)

The National Cancer Institute (NCI) is the largest cancer research organization in the world and has numerous opportunities for researchers to come and train at NCI. From internships to fellowships, fellows can conduct research, receive mentorship, and professional development while expanding their footprint in the world of cancer research. As part of the federal government, NCI focuses on the cancer care continuum to advance scientific knowledge and help people live longer, healthier lives. This session will focus on those opportunities for you to contribute to the cancer care continuum.

Presenters:

Dr. Dominique Griffin, AAAS Science & Technology Policy Fellow, NCI, NIH Ms. Crystal Lane, Public Health Advisor, Epidemiology and Genomics Research Program's (EGRP), NIH Ms. Deanna Riley, Post baccalaureate Research Fellow, NCI, NIH

Location: Interdisciplinary Research Building, Multipurpose Room

11:00 AM – 12:00 PM Oakridge National Laboratory (ORNL) Seminar

Oak Ridge National Laboratory (ORNL) is the largest multiprogram science and energy laboratory in the DOE system. Its mission is to deliver scientific discoveries and technical breakthroughs that accelerate the development and deployment of solutions in clean energy and national security, creating economic opportunity for the Nation. Established in 1943 as part of the Manhattan Project, ORNL pioneered plutonium production and separation, then focused on nuclear energy and later expanded to other energy sources and their impacts. Today, the laboratory manages one of the Nation's most comprehensive materials programs; two of the world's most powerful neutron science facilities, the Spallation Neutron Source and the High Flux Isotope Reactor; unique resources for fusion and fission energy and science; production facilities for life-saving isotopes; leadership-class computers including Summit, the Nation's fastest; and a diverse set of programs linked by an urgent focus on clean energy, Earth system sustainability, and national security.

Presenters:

Dr. Moody E. Altamimi, Director, Office of Research Excellence



12:00 PM –1:00 PM Argonne National Laboratory (ANL) Seminar

Argonne National Laboratory will host an overview seminar to discuss its six U.S. Department of Energy (DOE) national user facilities. These user facilities allow researchers from universities, national laboratories, industry, and federal agencies to use cutting-edge scientific tools to conduct experiments otherwise not possible. Faculty and students will learn how to submit user proposals and engage in training programs, as well as get involved in the Argonne and broader national lab user facility ecosystem.

Presenters:

Dr. Ilke Arslan, Director, Center for Nanoscale Materials & Division Director, ANL Dr. Paige Kinsley, Leadership Computing Facility Education Outreach Lead, ANL

Location: Interdisciplinary Research Building, Multipurpose Room

1:00 PM –2:00 PM National Renewable Energy Lab (NREL) Seminar

National Renewable Energy Lab (NREL) will host a seminar on research partnership opportunities for faculty and students. Attendees will learn about the lab's user facilities, faculty exchange programs, student internships and grant collaboration opportunities. National Renewable Energy Laboratory (NREL) is DOE's primary National Laboratory for renewable. energy and energy efficiency R&D. The laboratory delivers impactful scientific discoveries, innovations, and insights that transform clean energy technologies, systems, and markets. Also, the laboratory's research focuses on engineering of energy efficiency, sustainable transportation, and renewable power technologies and provides the knowledge to integrate and optimize energy systems.

Presenters:

Dr. Kristin Wegner Guilfoyle, Joint Institute for Strategic Energy Analytics (JISEA), NREL



2:00 PM - 4:00PM STEM Research Training Opportunities at the Department of Energy (DOE)

Join us to learn about research funding and training opportunities sponsored by U.S. Department of Energy's Office of Science and how to engage with Office of Science Programs with a panel of representatives from the offices of; Basic Energy Sciences (BES), Biological and Environmental Research (BER), and Workforce Development for Teachers and Scientists (WDTS).

Presenters:

Dr. Ping Ge, Director, Office of Workforce Development for Teachers and Scientists Dr. Brandi Toliver, Program Manager, Office of Workforce Development for Teachers and Scientists Dr. Igor Slowing, Program Manager, Office of Workforce Development for Teachers and Scientists

Location: Interdisciplinary Research Building, Multipurpose Room

5:00 PM – 8:00 PM Howard University Undergraduate Journal Awards Ceremony

The Howard University Undergraduate Journal (*Ukweli*) will host their Annual Awards Ceremony **to** celebrate the release of the 2024 Edition of *Ukweli*: Howard University Undergraduate Research Journal, with the option of short presentations from the authors and announce their category winners.

Presenters:

Kirsten Branch, Biology, College of Arts & Sciences, Co-Editor-in-Chief Ava Conyer, Chemical Engineering, College of Engineering & Architecture, Co-Editor-in-Chief Quentin Taylor, Mechanical Engineering, College of Engineering & Architecture



Monday, April 29

10:00 AM - 5:00 PM IBM HBCU Quantum Center Symposium- Building Community and Advancing Quantum

The Symposium will include discussions on quantum information science through the lens of Black researchers, academics, and entrepreneurs, highlighting upcoming research and funding opportunities for scholars and faculty. Workshops include lectures and networking opportunities from diverse quantum industries. Scholars, Faculty and Postdoctoral researchers are invited to participate in the inaugural HBCU Quantum Research Day, promoting awareness and understanding of quantum science and technology at HBCUs.

Presenters:

Dr. Kayla Lee, IBM Quantum Center Co-Founder, Global Lead, Ecosystem Growth, IBM Dr. Thomas Searles, IBM Quantum Center Co-Founder, Associate Professor, University of Illinois, Chicago

Dr. Su Yan, Assistant Professor, Electrical Engineering & Computer Science, Director, IBM HBCU Quantum Center, Howard University

Location: Interdisciplinary Research Building, Multipurpose Room

Tuesday, April 30

10:00 AM - 5:00 PM **IBM HBCU Quantum Center Symposium - Building** Community and Advancing Quantum

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Dr. Kayla Lee, IBM Quantum Center Co-Founder, Global Lead, Ecosystem Growth, IBM Dr. Thomas Searles, IBM Quantum Center Co-Founder, Associate Professor, University of Illinois, Chicago Dr. Su Yan, Assistant Professor, Electrical Engineering & Computer Science, Director, IBM HBCU Quantum Center, Howard University

