



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE

Office of Student Research

University of Maryland School of Medicine

UM Scholars Information Session @UMCP

Nov 6th, 2024





PLEASE SIGN IN!





Overview of OSR Summer Programming And Programs



UM SCHOLARS

Gregory B. Carey, Ph.D.,

Associate Professor of Microbiology and Immunology

Assistant Dean for Student Research Education

Executive Director of Student Research and Community Outreach

Director, PRISM. UM Scholars and STAR-PREP Programs



The Office of Student Research (OSR) At University of Maryland School of Medicine



Kathryn S. Robinett, M.D.
Associate Professor of Medicine
Interim Associate Dean for Student Research and Education
Associate Program Director for the Pulmonary and Critical
Care Medicine Fellowship



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Associate Professor of Microbiology and Immunology
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Executive Director of Student Research and Community
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Director, PRISM. UM Scholars and STAR-PREP Programs



Donald R. Matteson, Ph.D.,
Associate Professor of Physiology
Assistant Dean for Student Research Education and
Dual Degree Programs



Fatimah Dixon, MPH
Program Coordinator



Fiana Romero, MS
Program Manager



Fast Facts on UM SOM Scholars

- Started in 2012 with 2 students to SOM.
16/yr SOM currently
- Top 10-14% accepted after competitive review
- ~165 alumni at end of 2024
- >85% lifetime ascension rate to medical and graduate STEM (~70% medicine)
- Alums include Marshall and Fulbright scholars
- Studies at UM SOM, UMB, UMCP and top schools in US and abroad
- Contribute to articles and conference presentations
- **18 pursuing MDs at UMB, 3 Pursuing PhDs this FY**





What is the UM Scholars Program?

- Collaborative Scholarship Program supported by: MPower Maryland, UMCP and UMB (UM SOM)
- **Eligible Students:** STEM Track UMCP Undergraduates
- UMCP to UM SOM Scholars: graduate, health profession students
- Scholars → Intense summer research experience on UM SOM campus mentored by UM SOM (and UMB) faculty (and UMCP faculty at UMCP)
- **Program Goals:** Inspire and Excite Students:
 - Exposure to medicine and biomedical research and careers
 - Encourage matriculation in health professions and biomedical research programs





Snapshot of OSR Programming

- **Welcome and Orientation (May 27 & 28, start of program)**
- **Weekly Seminars Throughout Summer**
OSR: Tuesday and Thursday mornings
- **Mid-Summer Retreat (June 25, mid-program):**
 - Mid-point break
 - Next steps in research and training
 - Presentation by accomplished student-researcher
 - Student research vignettes and student panel for discussion
 - **Multiple discussion tables led by research-grounded leaders and/or specialists**
- **Student Research Forum (July 24 and 25, end of program)**
 - All-programs
 - Keynote Speaker
 - Attendees: students, faculty, UMB Leadership...
- **9 weeks of research full-time (May 27 - July 25)**





Summer Research Programs Goal and Expectation Overview

- ***Goal of Summer Research Programs***

- *To expose, inspire and ignite students' passion for topics and paths in biomedical research and healthcare within a collaborative and supportive environment.*

- ***Role of the Students***

- encouraged to actively participate **in all of the events and activities**
- expected to be fully engaged in their respective programs, eager and ready to learn
- ***mentor, teach, support, inspire and set a good example for other students whenever possible***



Summer Research Participant Programs

UMSOM OSR Programs

1. PRISM
2. UM Scholars Program

Partnerships & Programs

3. RadOnc
 - Radiation Oncology
4. NSIP
 - Greenebaum/Nathan Schnaper Intern Program
5. Diversity In Cancer Research (ACS Scholars)
6. Bridges to the Doctorate Program (Masters Program Towson/UMB)
7. And..., UM SOM national fellowship winners and independents
8. **New** – MPower/MD Dept of Health/UMCP/UMB-UMSOM
9. STAR-PREP (post –bacc Scholars at UM SOM (guests)
10. MiNDs – Neuroscience partnership with Temple U., UMCP, UMBC, UM SOM
11. American Cancer Society Summer Fellows, Urological Summer Fellow and more...
12. CURE Scholars, 13. RAMP Scholars, 14. Summer Neuro Scholars (Dr. Keller), 15. DRex (SOD Program)





Basic Requirements

- 9 weeks summer commitment to program project
- Attendance at:
 - Orientation (May 27 and 28)
 - Seminar attendance
 - Mid-summer retreat (June 25)
 - Research Forum (July 24 and 25)
- Final report
- 20% Stipend withholding if requirements not met

OSR 2024 Summer Seminar Series Speakers



[Bing Ma, PhD](#)



[Paul Yi, MD](#)



[Reney Henderson, MD](#)



[Greg Elmer, PhD](#)



[Carol Kozar, MD-PhD](#)



[Katrina Mark, MD, FACOG](#)



[Jason Rose, MD/MBA](#)



[Esa Davis, MD, MPH, FAAPH](#)



[Jason Falvey, DPT, PhD](#)



[Rozalina McCoy, MD MS](#)

THEMES/Expertise: Dr. Bing Ma, Microbiota and Gastrointestinal Health in Pre-Term Newborns; Dr. Paul Yi, Artificial Intelligence in Radiology and Medicine; Dr. Reney Henderson, Anesthesiology and Blood Management in Transplant; Dr. Greg Elmer, Environmental and Genetic Factors Contributing to Addiction; Dr. Rosemary Kozar, Vascular Trauma and Surgery; Dr. Katrina Mark, Maternal and Fetal Health; Dr. Jason Rose, Entrepreneurship In Medicine; Lung Health and Care; Dr. Esa Davis, Primary Care and Community Medicine; Dr. Jason Falvey, Rehabilitative Medicine, Equity in Healthcare; Dr. Rozalina McCoy, Precision Medicine



UM SOM Summer 2024 Program Participants

[OSR Programs Main Web Page](#)

Program	Number of Students
<i>PRISM</i>	38
<i>PRISM / Rad Onc</i>	1
<i>Rad Onc</i>	2
<i>UM Scholars at SOM</i>	16
UM Scholars SON	10
UM Scholars SOP	2
NSIP	23
ACS-DICR	9
Bridges to Doctorate	4
Mpower-MDH	7
STAR-PREP	6
Total	118

UR focused



Summer Program Highlights



Summer Seminars, 2024



**Dr. Joseph Wright
Keynote 2023**



***“Health Equity: At the Nexus of
Science and Social Justice”***

Joseph Wright, MD, MPH

- Vice President and Chief Health Equity Officer
- University of Maryland Medical System
- Professor of Pediatrics and Health Policy & Management
- University of Maryland Schools of Medicine and Public Health
- 120 Publications in Pediatric Health, Policy and 30 Visiting Professorships
- Winner, Distinguished Terrapin Award
- Nationally and Presidentially Recognized (Obama Administration) Leader at Children’s Hospital, Washington DC

Socials!

12 Gallons of Ice cream and sherbet!!

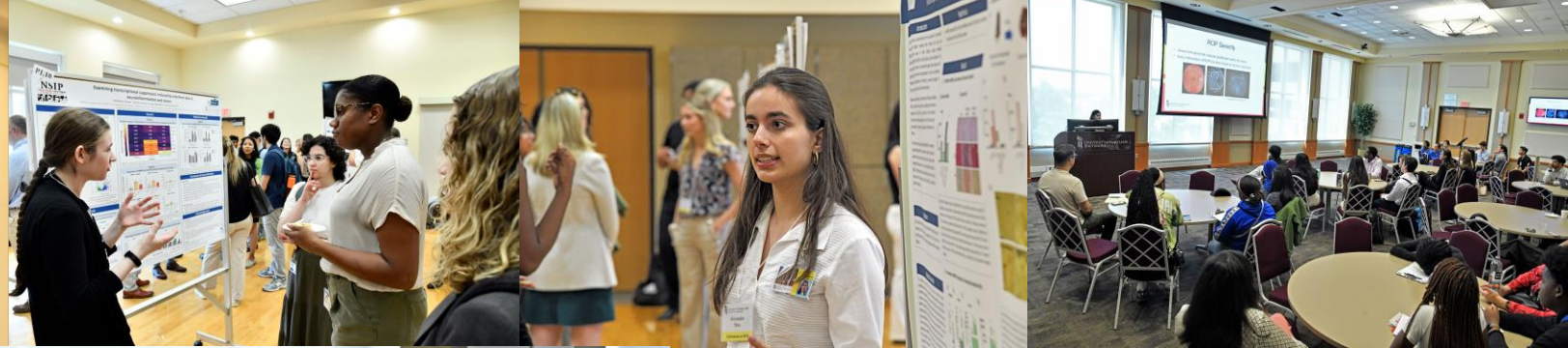


Welcome!!!

2024 OSR Summer Research Forum

Next Up:

- Drs. Hassel and Webb
- Ms. Romero



Summer 2024



2024 UM Scholars Cohort





ALUMNI PANELISTS

Hannah Braimoh

- Junior
- Major: Psychology

Emily Chan

- Junior
- Majors: Biochemistry & Public Health Science

Divine Enyi

- Junior
- Majors: Neuroscience & Chemistry

Katie Lowe

- Junior
- Major: Biological Sciences - Physiology & Neurobiology

Austin Luu

- Junior
- Major: Microbiology (Biological Sciences Specialization)

Raina Saraiya

- Junior
- Major: Neuroscience

Alex Wolfson

- Junior
- Major: Chemistry



*Looking
forward to
your
applications!!*



https://www.medschool.umaryland.edu/osr/um_scholars/



Scan for Session Handouts



<https://drive.google.com/file/d/1LGj1PZasFNZuUDc52oOrJULfO8m44q6F/view?usp=sharing>