



UNIVERSITY *of* MARYLAND
SCHOOL OF MEDICINE
CENTER FOR ADVANCED RESEARCH
TRAINING & INNOVATION

CARTI Clinical/Translational Research Training Track

Jon Mark Hirshon, MD, MPH, PhD,
Shannon Takala Harrison, PhD



CARTI Clinical/Translational Research Training Track



Mission: To increase the pool of scientists engaged in evidence-based clinical, translational, and public health research



Expected outcome: To increase the number of early-stage investigators conducting mentored research and successfully applying for extramural grant funding



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE



**Yohance Allette,
MD, PhD**
Neurology



**Nikhil Pandey,
PhD**
Neurosurgery



**Elizabeth Powell,
MD**
Emergency Medicine
\$



**Nicole Putnam,
PhD**
Pathology
\$



**Zaker Rana,
MD**
Radiation
Oncology



**Alexis Salerno,
MD**
Emergency
Medicine



**Chengyan Chu,
DrMed**
Diagnostic
Radiology &
Nuclear Medicine
\$



**Brittany Drazich,
PhD, RN**
Organizational
Systems & Adult
Health, UMSO

\$



**J. David Gatz,
MD**
Emergency
Medicine



**Rebecca Schwartz,
MD**
Surgery, R Adams
Cowley Shock
Trauma Center



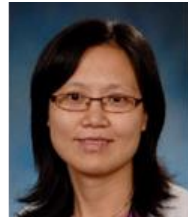
**Lauren Leigh Smith,
MD, MAS**
Epidemiology &
Public Health,
\$



**Dena Tran,
MD**
Pulmonary &
Critical Care
Medicine



**Edward Traver,
MD**
Medicine,
Institute of
Human Virology



**Jiachen Zhuo,
PhD**
Diagnostic
Radiology &
Nuclear Medicine

\$ = secured funding



Eligibility

- Be a senior fellow (MD, PhD, MD/PhD) or faculty member in an early to mid-stage of their research career at the University of Maryland, Baltimore with some prior research experience.
- Have research mentor(s) and existing clinical or public health research project or an area of research you are interested in pursuing



Eligibility (*cont.*)

- Have a letter of support from your Department Chair guaranteeing at least 20% protected time (8 hours/week) to conduct training and research over a 6-month period
- Have NOT served as a Principal Investigator on an NIH or federally funded research or career development award



Overview of CARTI Clinical/Translational and Public Health Research Training Track

Orientation



Didactic Instruction & Grant Writing Instruction



Experiential Learning



Capstone Grant Application & Mock Study Section



Didactic Instruction

- Length of time: 2 months
- Time commitment: 8 hours/week
- Format:
 - Virtual and synchronous (recorded)
 - Scholar presentations – in person



Didactic Instruction (*cont.*)

- Didactic research topics:
 - Project design & implementation
 - Data collection, analysis, and management
 - Ethical, legal, and regulatory issues
 - Grant writing and scientific communication



Experiential learning and capstone project (i.e., grant application)

- Length of time: 3-4 months
- Time commitment: 8 hours/week
- Activities
 - Work with mentors to write a grant application
 - R21 format (7 pages) or other specific mechanism
 - Writing accountability sessions
 - Mock study section
 - Participate as an applicant and reviewer
 - Scholars are expected to submit a grant within 6 months of completion of the program



Application Process

- **Friday, October 25, 2024, 5pm EDT**
- Required material:
 1. Cover page
 2. UMSOM curriculum vitae (CV)
 3. Personal statement (1-2 page(s))
 4. Preliminary summary of proposed research project to be completed during experiential learning component (1 page)
 5. Letter of support from research mentor
 6. Letter of support from the Departmental Chair



Application & FAQ

- More information & full application:
<https://www.medschool.umaryland.edu/carti/carti-training-tracks/clinical-and-translational-research-training-track/>
- Answers to Frequently Asked Questions (FAQ):
<https://www.medschool.umaryland.edu/carti/carti-training-tracks/carti-training-track-faqs/>



Contact Us

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- Yarlene Williams, Administrative Assistant, ywilliams@som.umaryland.edu