

2023  
ISSUE

ANNUAL  
NEWSLETTER FOR  
POTENTIAL  
MENTORS

# R38 MGH Diseases of Aging Pathway Via Stimulating Access to Research in Residency Program (StARR)

## Meet Our Leadership

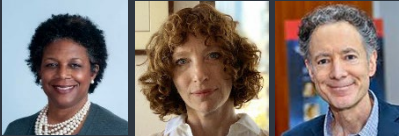
### PROGRAM DIRECTORS

- Brad Hyman, MD, PhD
- Christine Ritchie, MD, MSPH
- Jay Vyas, MD, PhD (*Contact PI*)



### INTERNAL STEERING COMMITTEE

- Sherri-Ann Burnett-Bowie, MD
- Andrea Foulkes, ScD
- Bruce Yankner, MD, PhD



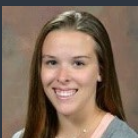
### EXTERNAL ADVISORY BOARD

- Ana Maria Cuervo, MD, PhD
- Stephen Kritchevsky, PhD
- Jean Kutner, MD, MSPH



### PROGRAM MANAGER

- Becca Ward, PhD



## this issue

Overview of Program

Meet Our Trainees

Announcements

## Revitalizing the Physician-Scientist Pipeline.

At the beginning of 2023, the National Institute of Aging (NIA) awarded us with an R38 to start our MGH Diseases of Aging Pathway (DAP) StARR Program. The MGH DAP StARR leadership has selected two highly motivated residents from the Departments of Medicine and Neurology to support during the current 2023-2024 research year, which started in July.

### MENTORS IN OUR PROGRAM

Participating research preceptors were recruited based on their scientific work, funding history, proven track-record of mentorship, scientific integrity, and span a variety of expertise relevant to the mission of the NIA.

Mentors span the Departments of Medicine, Neurology, Radiology, Psychiatry, Anesthesia, and the Hebrew Senior Life Institute of Aging

Junior mentors will be paired with senior mentors for each resident.

Residents are encouraged to form mentoring committees to facilitate the career development.

**Interested in being a mentor?** Reach out to our Program Manager to learn more!

### PROGRAM OVERVIEW

The primary goal of the program is to train residents to be physician-scientists who can advance medical science in a broad range of areas from basic science to clinical investigations. Internal medical and neurology residents apply for the R38 program in December and are selected by January. Participants receive salary support (in agreement with the MGB PGYayscale) and \$11,500 for coursework, professional development opportunities, travel, and other costs (e.g., computers, software, books).

#### *Before Starting:*

- Creation of Individual Development Plan (IDP)

#### *During Program:*

- 80% effort toward research (20% clinical)
- Monthly programmatic curriculum
- RCR training
- Weekly meetings with mentors
- Routine meetings with leadership
- Prepare publications
- Presentations at conferences

#### *After Program:*

- Prepare publications
- Presentations at conferences
- Annual Survey

## Example Curriculum

### MENTORING

We bring in early career and senior investigators to share the importance of mentoring at various career stages.

### TEAM SCIENCE

Collaborating as a team is a large part of science. Thus, we bring in physician-scientists to discuss the ins and outs of team science.

### SCIENCE COMMUNICATIONS

Our Program Manager is a trained scientific writer. She spends two sessions discussing how to write a scientific manuscript and grant writing.

### LEADERSHIP AS A PHYSICIAN-SCIENTIST

Our Program Directors discuss the role of leadership skills in academic medicine and how to build these skills throughout your career.

### CONDUCTING RESEARCH AS AN MD

We bring in investigators with only an MD to discuss how they negotiated for their research efforts and what it means to them.

### ADVOCATING & NEGOTIATING FOR YOUR CAREER

We bring in Departmental leaders to provide tips on how to advocate for a career in academic medicine.

### WORK-IN-PROGRESS

Resident-scholars are able to present their work throughout the research year informally to their peers in similar programs.

## Meet the DAP StARR Resident Scholars for the 2023-2024 Year



**KATHERINE (KATIE) JOLIN, MD**

Katie joins us from the Department of Medicine following her PGY1 year.

Project Title: The Use of Brain Imaging to Understand Large-Scale Brain Networks Implicated in Alzheimer's Disease

Mentor: Jorge Sepulcre, MD, PhD (*Radiology*)

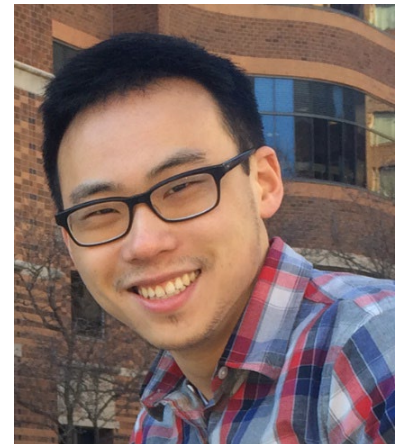
Education:

- BA from Williams College
- MD from Tulane University School of Medicine

Clinical and Research Interests:

- Clinical outcome research
- Machine learning and AI in radiology and associated outcomes
- Functional imaging

Plans for the Future: Radiology residency



**JASON C. YOU, MD, PhD**

Jason joins us from the Department of Neurology following his PGY4 year.

Project Title: Elucidating Network Dysfunction in Dementia with Lewy Bodies

Mentors: Alice Lam, MD, PhD (*Neurology*) and Stephen Gomperts, MD, PhD (*Neurology*)

Education:

- BA from University of Pennsylvania
- MD from Sidney Kimmel Medical College at Thomas Jefferson University
- PhD from Thomas Jefferson University

Clinical and Research Interests:

- Network-level mechanisms underlying cognitive impairment in neurodegenerative dementias
- Neurophysiology and advanced neuroimaging techniques

Plans for the Future: Epilepsy and cognitive neurology fellowships

### ANNOUNCEMENTS

For regular updates about our resident scholars and the program, follow us on Twitter

[@MGHResScholar](https://twitter.com/MGHResScholar)