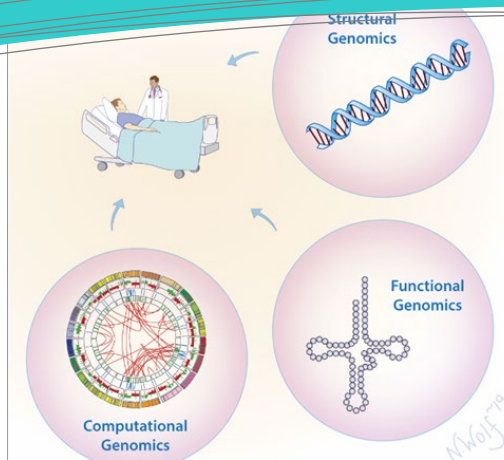


2024  
ISSUE

ANNUAL  
NEWSLETTER FOR  
POTENTIAL  
MENTORS

# R38 MGH Next-Gen Physician-Scientist Through Stimulating Access to Research in Residency Program (StARR)

Our program has completed the initial round of funding by the NHLBI.



this issue

Overview of Program

Trainee Successes

Announcements

## Revitalizing the Physician-Scientist Pipeline.

We proudly report that our two residents in year four of our National Heart, Blood, and Lung Institute-funded program were extremely successful. Their research focused on the prevalence and risk factors of avoidant/restrictive food intake disorder in adults with chronic constipation, and the cost-effectiveness of different tobacco cessation treatments in smokers undergoing lung cancer screening. The MGH Next-Gen StARR does not currently have any participating scholars.

### MEET OUR LEADERSHIP!

Program Director: Jay Vyas, MD, PhD

#### Internal Steering Committee

- Benjamin Medoff, MD
- Pradeep Natarajan, MD, MMSc
- Jay Rajagopal, MD
- David Scadden, MD
- Melissa Suter, PhD

#### External Advisory Board

- Juan Celedón, MD, DrPh
- Nadia Handel, MD, MPH
- Christine Seidman, MD
- Joseph Wu, MD, PhD

Program Manager: Becca Ward, PhD

### 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. Our first round of funding has completed. We do not have any residents in the program and do not anticipate having any in the upcoming academic year. Key programmatic elements included:

#### *Before Starting:*

- Creation of Individual Development Plan

#### *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

Check out our [website](#)

Follow us on Twitter:  
[@MGHResScholar](#)



## Alumni Residents

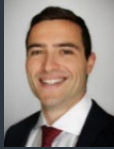
### ELIZABETH GAY, MD (2022-2023)

Beth is currently a  
Pulmonary / Critical Care  
Fellow at UCSF.



### JULIAN HAIMOVICH, MD (2020-2021)

Julian is currently a  
cardiology fellow at MGH.



### SHAHZEB HASSAN, MD (2023-2024)

Shahzeb is currently a dermatology  
resident in New York.

### ADAM JOHNSON, MD (2023-2024)

Adam is currently a  
cardiology fellow at MGH.



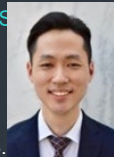
### MICHAEL KELLY, MD (2023-2024)

Mike is currently a first-  
year Harvard Pulmonary  
and Critical Care fellow.



### DAVID LEE, MD MPH, MS (2023)

David is currently an  
oncology fellow at DF/MGB.



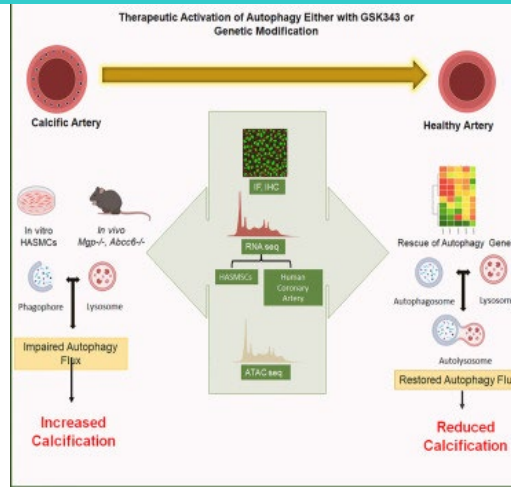
### AKUA NUAKO, MD (2023-2024)

Akua is currently in her  
final year of internal  
medicine residency



### KATHERINE TAKVORIAN (2020-2021)

Kate is currently an  
attending physician at  
MGH and Deputy Editor  
for NEJM Evidence.



Graphical abstract from Lino  
Cardenas et al 2023. PMID: [38033629](https://pubmed.ncbi.nlm.nih.gov/38033629/).

### TRAINEE SUCCESSES

Our resident scholars accomplished many of their goals while in the program. Successes over the four years of funding include:

- 20 primary articles (9 first author)
- 2 review articles (1 first author)
- 8 manuscripts under review (8 first author)
- 20 oral presentations
- 10 poster presentations
- Selected conferences attended in 2023-2024:
  - Critical Care Congress Meeting
  - 2024 Digestive Disease Week Conference
- Selection as a 2024-2025 Harvard Nutrition and Obesity Research Center Diversity Scholar (*A. Nuako*)

### HIGHLIGHTS FROM 2023-2024

Feedback from exit interviews:

- Resident scholars voiced their satisfaction with the program and the flexibility provided by the structure.
- They enjoyed the ability to network with experts in their field.
- The exploration of multiple projects enabled them to grow as scientists and provided clarity in their career goals.

Drs. Karin Andersson and Joren Madsen provided their thoughts on mentoring at various stages of an academic medicine career.

Drs. Danielle Cameron and Rod Rahimi provided a great seminar on advocating and negotiating for your career.

### ANNOUNCEMENTS

We are not accepting applications for the upcoming year. For interest in similar programs, check out the [NIA Diseases of Aging StARR Program](#).

### Selected Publications

Lee DJ, ..., Ghobrial IM, Marinac CR. Mass spectrometry-detected MGUS is associated with obesity and other novel modifiable risk factors in a high-risk population. *Blood Adv.* 2024 Apr 9;8(7):1737-1746. PMID: [38212245](https://pubmed.ncbi.nlm.nih.gov/38212245/).

Leisman DE, ..., Gay EA, ..., Safavi KC. Effect of Automated Real-Time Feedback on Early-Sepsis Care: A Pragmatic Clinical Trial. *Crit Care Med.* 2024 Feb 1;52(2):210-222. PMID: [38088767](https://pubmed.ncbi.nlm.nih.gov/38088767/).

Lino Cardenas CL, ..., Johnson AL, ..., Malhotra R. Treatment of calcific arterial disease via enhancement of autophagy using GSK343. *iScience.* 2023 Oct 29;26(11):108360. PMID: [38033629](https://pubmed.ncbi.nlm.nih.gov/38033629/).