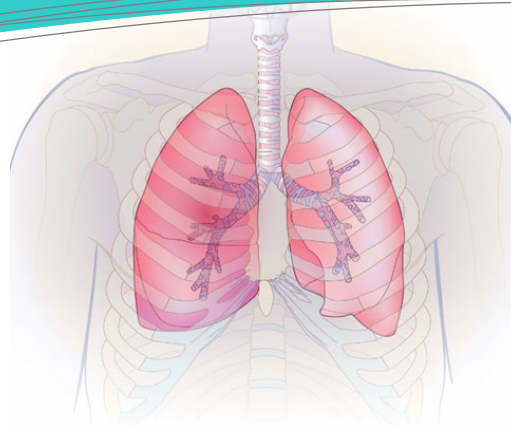


2023

ISSUE

ANNUAL
NEWSLETTER FOR
POTENTIAL
MENTORS

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



Current Residents

AKUA NUAKO, MD




Akua joined the R38 program in July 2023 following her PGY2 year in the Department of Medicine. Under the mentorship of Drs. Christopher Thompson (BWH), she will focus on outcomes research of advanced therapeutic endoscopy procedures and endoscopic bariatric therapies.

SHAHZEB HASSAN,
MD



Shahzeb, a medicine resident, joined the R38 program in July 2023 following his PGY1 year. Under the mentorship of Dr. Douglas Levy, he is focusing on comparing the effectiveness of which combination of evidence-driven tobacco cessation treatments is most effective in achieving cessation among smokers undergoing lung cancer screening.

Check out our [website](#)

 Follow us on Twitter:



this issue

Overview of Program

Trainee Successes

Announcements

Revitalizing the Physician-Scientist Pipeline.

We proudly report that our two residents in year three of our National Heart, Blood, and Lung Institute-funded program were extremely successful. Their research focused on the heterogeneity in sepsis and the immunologic, genomic, and epidemiologic links between race, obesity, and multiple myeloma. The MGH Next-Gen StARR has selected two highly motivated internal medicine residents to support during the current 2023-2024 research year, which started in July.

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. Internal medical residents apply for the R38 program in December and are selected by January. Participants receive salary support (in agreement with the MGB PGY payscale) and \$11,500 for coursework, professional development opportunities, travel, and other costs (e.g., computers, software, books).

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

Alumni Residents

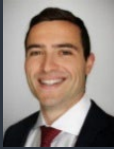
ELIZABETH GAY, MD (2022-2023)

Beth is currently in her final year as internal medicine resident at MGH.



JULIAN HAIMOVICH, MD (2020-2021)

Julian is currently in his second year of his cardiology fellow at MGH.



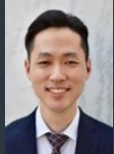
ADAM JOHNSON, MD (2021-2022)

Adam is currently in his second year of his cardiology fellow at MGH.



DAVID LEE, MD MPH, MSc (2022-2023)

David recently received an ASH HONORS award and is currently in his final year as internal medicine resident at MGH.



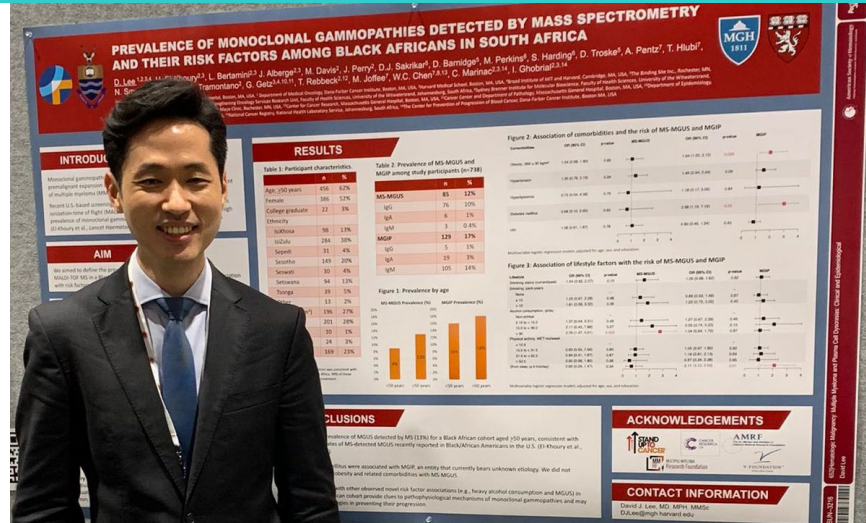
MICHAEL KELLY, MD (2021-2022)

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



KATHERINE TAKVORIAN, MD, MPH (2020-2021)

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



Dr. David Lee (2022-2023) presenting at the 64th American Society of Hematology annual meeting in New Orleans, LA.

TRAINEE SUCCESSES

Although the COVID-19 pandemic complicated initiation of this program, our resident-investigators have accomplished many of their goals while in the program. Successes include:

- 15 primary articles (7 first author)
- 2 review articles (1 first author)
- 10 manuscripts under review (8 first author)
- 17 oral presentations
- 6 poster presentations
- Selected conferences attended in 2022-2023:
 - American Thoracic Society Meeting
 - 64th American Society of Hematology Annual Meeting
 - InterLymph Annual Meeting
- Senior POCUS Group Leader (E. Gay)
- ASH Hematology Opportunities for the Next Generation of Research Scientists (HONORS)

HIGHLIGHTS FROM 2022-2023

Feedback from exit interviews:

- Resident scholars all voiced their satisfaction with the program.
- They enjoyed learning the inner workings of academic medicine, mentorship, and networking opportunities.
- Feedback from last year will contribute to new monthly curriculum topics (e.g., biostatistics) and more early-career speakers.

Drs. Marcia Goldberg and Jay Rajagopal provided a great seminar on being an MD only in academic medicine.

Drs. Josh Metlay and Joren Madsen provided their thoughts on advocating and negotiating for your career.

We sent out monthly emails highlighting scholar accomplishments, upcoming seminars of interest, and

ANNOUNCEMENTS

Our Twitter account merged with other Resident Scholar Program and has a new handle! Follow us [@MGHResScholar](https://twitter.com/MGHResScholar)

Selected Publications

Cowan A, ..., Lee DJ, ..., Ghobrial IM. Personalised progression prediction in patients with monoclonal gammopathy of undetermined significance or smouldering multiple myeloma (PANGEA): a retrospective, multicohort study. *Lancet Haematol.* 2023; 10(3):e203-e212. PMID: [36858677](https://pubmed.ncbi.nlm.nih.gov/36858677/).

Kelly MS, ..., Lai PS. Preferred language mediates association between race, ethnicity, and delayed presentation in critically ill patients with COVID-19. *Crit Care Explor.* 2023 Jun 14;5(6):e0927. PMID: [37332365](https://pubmed.ncbi.nlm.nih.gov/37332365/).

Takvorian KS, ..., Ho JE. The association of protein biomarkers with incident heart failure with preserved and reduced ejection fraction. *Circ Heart Fail.* 2023 Jan;16(1):e009446. PMID: [36475777](https://pubmed.ncbi.nlm.nih.gov/36475777/).