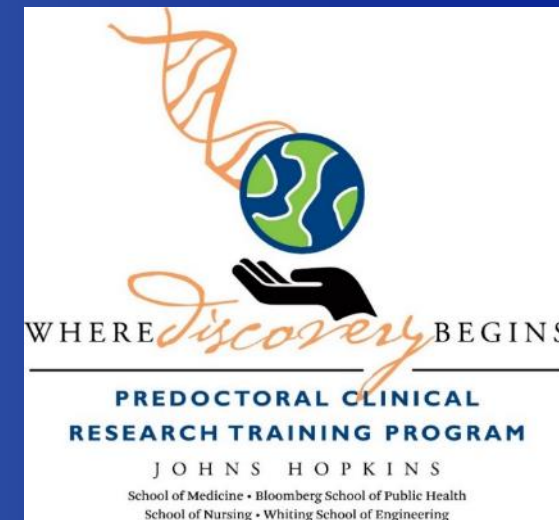




# JOHNS HOPKINS

INSTITUTE *for* CLINICAL &  
TRANSLATIONAL RESEARCH



Stephen Sozio, MD, MHS, MEHP

Director, Scholarly Concentrations

Associate Director, Predoctoral Clinical Research Training Program

# Predoctoral Clinical Research Training Program (PCRTP)

- **Funding**: Component of NIH Clinical & Translational Science Awards (T32)  
Institutional for Clinical and Translational Research (ICTR) support
- **Goal**: to expose pre-doctoral trainees to clinical and translational research during their professional training and to cultivate and train the next generation of creative scholars in clinical investigation
  - Includes Johns Hopkins Schools of Medicine, Nursing, Public Health and Engineering
  - University of Maryland, Baltimore
  - Morgan State University

# JHU Predoctoral Clinical Research Training Program

## JHU Leadership



Meredith Atkinson, MD, MHS



Martha Abshire Saylor, PhD, RN



Stephen Sozio, MD, MHS, MEHP

## UMB LEADERSHIP

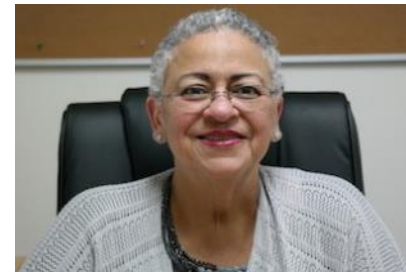


Luana Colloca, MD, PhD, MS



Graziela Z. Kalil, PharmD

## MSU Leadership



Sharon Barrett, DrPH, MS

# Which Degree to Pursue?

## Public Health



- **MPH**
  - Traditional degree in public health
  - Most students are in Epi/Biostats concentration
  - Requires 80 credits, leaving less time for research
- **MHS in Clinical Epidemiology**
  - Truly research-oriented degree
  - Requires 64 credits
  - More focused, allowing more time for research

## Engineering/Other



- **MSE**
  - Master of Science in Bioengineering Innovation and Design (CBID)
- **MSE outside of CBID**
- **MBA**
- **Other**

Any Masters degree should focus on clinical and translational research



# What does the PCRTP program provide?



- Tuition for classes on research methods
- Seminars on research career development and writing
- Mentoring from Johns Hopkins faculty
- Community of peer scholars and faculty advisors
- Opportunities to present and receive feedback on your work

# Expectations of PCRTP Scholars

- Propose and implement a research project:
  - Clinical
  - Health services
  - Public health research project
- Attend and present at seminars and enjoy collaboration of like-minded scholars in the program
- Submit an abstract and present at the National Translational Science conference

# What Funding May Be Covered By This Program?

- **Support (Financial)** \*Dollar amounts are based on NIH award amounts, approximate and subject to grant funding, up to
  - Stipend: \$26K for 12 months
  - Partial Tuition Support: \$16K per year
  - Health Insurance Stipend: \$4.4K per year
  - Research funds: \$2K per year
  - Childcare support: \$2.5K per year
  - **This is in addition to any separate degree program scholarships**
- **Program Eligibility**
  - All medical students are eligible
  - (For NIH awards portion: United States citizens, permanent resident, or non-citizen national status)

# Why get a degree and do the PC RTP now?

## Get Experience

- Get perspective on public health, engineering and research
- Build your skills in research
- Get time with a mentor and a project

## “Figure Things Out”

- Understand yourself and your direction better
- Establish your brand in public health/engineering and research prior to residency

## Plan for Your Future

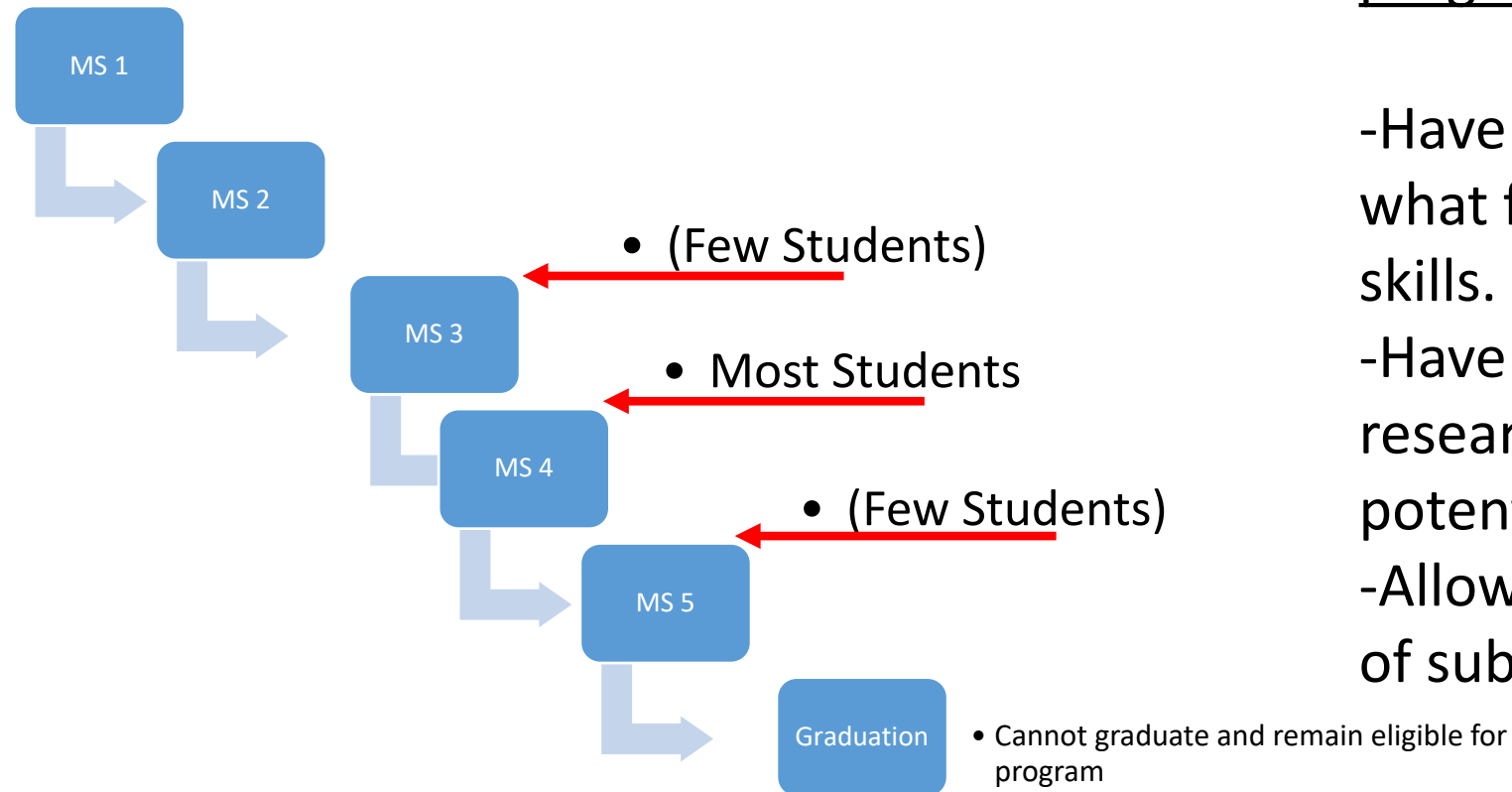
- Later degree during residency or fellowship is not guaranteed
- Training will influence any residency projects





# When is the Ideal Time for Medical Students to Take This Year?

## • FIVE YEAR MEDICAL STUDENT PLAN



Why do most students do the program between M3 and M4?

- Have better understanding of what field you will apply these skills.
- Have more establishments in research and relationships with potential mentors.
- Allow pause before the rigors of sub-I, applications, etc.



**Shruti Anant**  
JHSOM MD/SPH MPH



**Preetham Bachina**  
JHSOM MD/BME MSE



**Krista Chen**  
JHSOM MD/SPH MPH



**Rebecca (Singer) Cohen**  
JHSOM DNP/PhD

**2024-25**

**JHU  
PCRTTP  
TRAINEES**



**Tran Dang**  
JHSOM MD/SPH MPH



**Aurora Grutman**  
JHSOM MD/SPH MPH



**Marcus Henderson**  
JHSOM PhD



**Emma Jagasia**  
JHSOM DNP/PhD



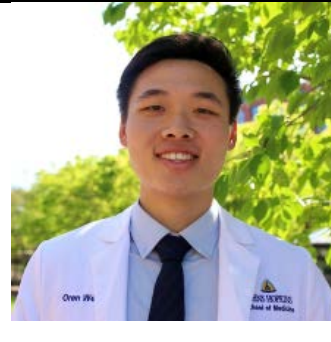
**Arjun Menta**  
JHSOM MD/CBID MSE



**Siam Muquit**  
JHSOM MD/SPH MPH



**Saket Myneni**  
JHSOM & SPH MD/MPH



**Oren Wei**  
JHSOM MD/CBID MSE

# 2024-25

## Post-doctoral Trainees



Douglas Tran, MD

Integrated Cardiothoracic Surgery  
Resident, Department of Surgery  
University of Maryland School of  
Medicine

email: douglas.tran@som.umaryland.edu

**Project Title:** "Allogenic Re-cellularized  
Orthotopic Transplantation".

Year 2



Suh Hee Cook, MS, PhD

Post-doctoral Fellow  
Fischell Department of Bioengineering,  
University of Maryland College Park

email: suhheecook@som.umaryland.edu

**Project Title:** "Leveraging biomaterials for  
immunoengineering".

Year 1

## Pre-doctoral Trainees



Mary Hackbarth, MS

MD/PhD Student  
Department of Otorhinolaryngology,  
Medical Scientist Training Program, and  
Graduate Program in Biochemistry and  
Molecular Biology  
University of Maryland School of  
Medicine

email:  
mary.hackbarth@som.umaryland.edu

**Project Title:** "Elucidating the role of  
PCDH15 in the retinal pigment  
epithelium".



Alexander Laurenson

MD/PhD Student  
Center for Vaccine Development and  
Global Health, Medical Scientist Training  
Program, and Graduate Program in  
Molecular Microbiology and Immunology  
University of Maryland School of Medicine

email: alaurenson@som.umaryland.edu

**Project Title:** "In Silico Prediction of  
Plasmodium falciparum Epitopes as  
Vaccine Candidates".



Katherine Pizano

PhD Student  
Neuroscience and Cognitive Science  
Doctoral Program  
University of Maryland College Park

e-mail: kpizano@umd.edu

**Project Title:** "Investigating the role of  
PACAP in retinorecipient circuits".



Darby Steinman

PhD Student  
Engineering/Fischell Department of  
Bioengineering, University of Maryland  
College Park

e-mail: darbyste@umd.edu

**Project Title:** "Bacterial extracellular  
vesicles as mediators of placental  
functions".

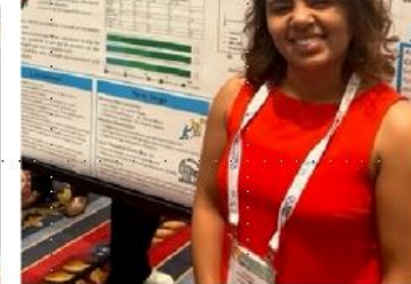
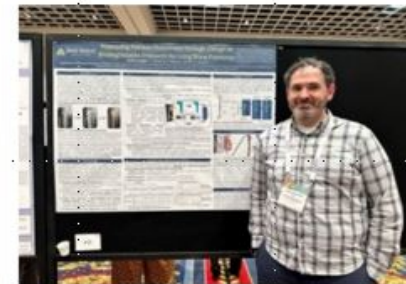
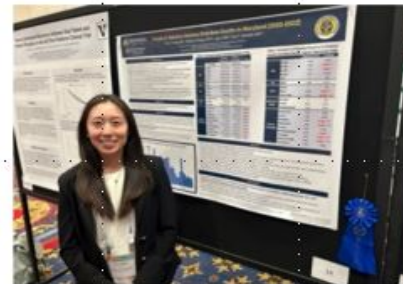
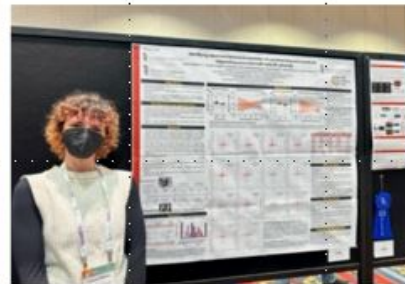
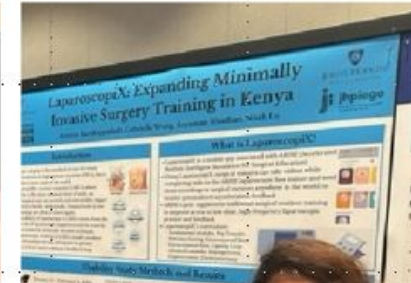
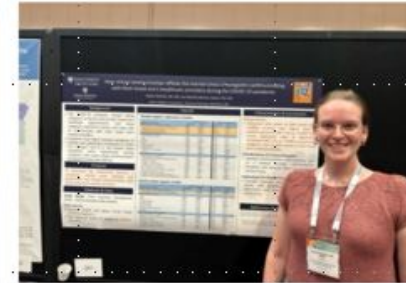
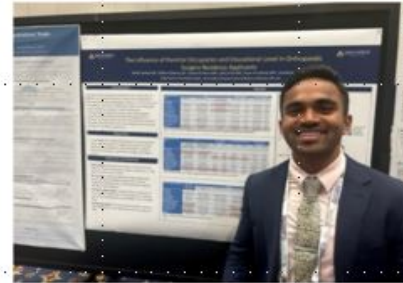
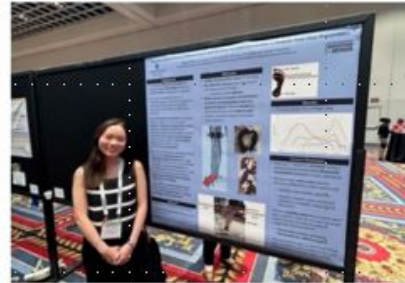
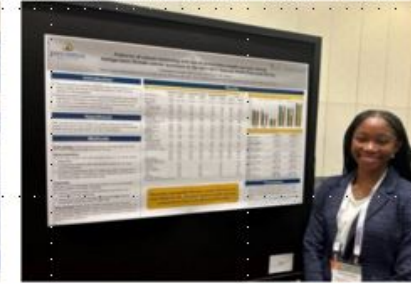
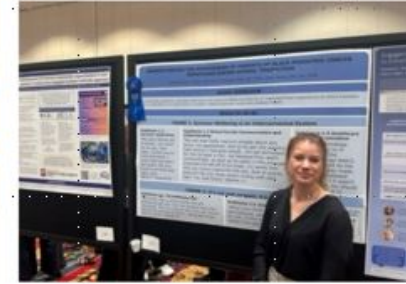
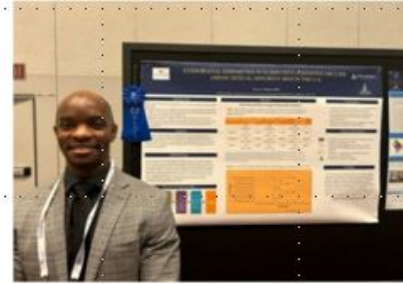
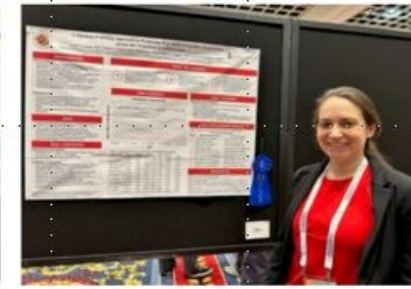
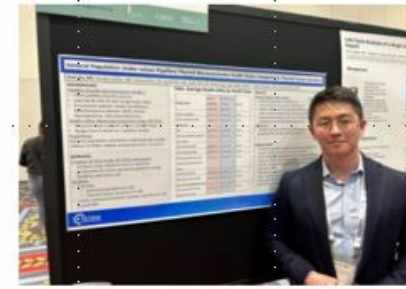
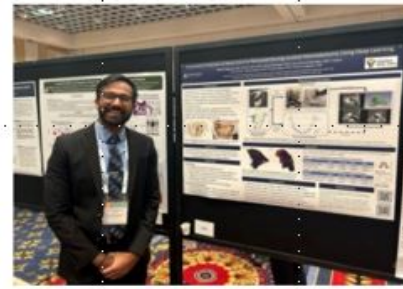
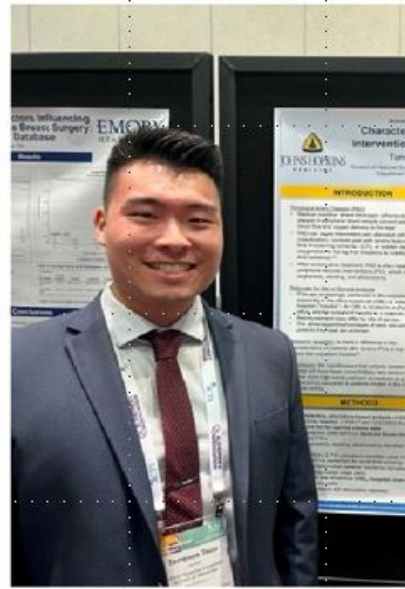
# UMB PCRTTP TRAINEES



# ALUMNI

## PC RTP Photos

*Be sure to  
document  
your year  
in photos*



## 2023-24 TRAINEES

## ACTS CONFERENCE

# JHU Predoctoral Clinical Research Training Program

## Any questions?

### Evaluation and Selection

PCRTP Application:

- Open Dec 2, 2024; **Close: January 10, 2025**
- Separate from the Masters application  
(deadline as early as Dec 1)*
- CV, Personal statement, 2 LOR, transcripts*

Application Review:

January - February 2025

Official Award Notification: March 2025

Official Start Date:

July 1, 2025

### **PCRTP Program Administrator**

Noelia Cantu Norman

[ncantu1@jhmi.edu](mailto:ncantu1@jhmi.edu)

### **Website:**

[https://ictr.johnshopkins.edu/  
education-  
training/students/predoctoral-  
training/](https://ictr.johnshopkins.edu/education-training/students/predoctoral-training/)



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# Should I do PC RTP Program or Dean's Research Year?

## **PC RTP Program**

- Mentor (identified or not)
- Get a degree and skills associated with the degree
- Collaborative group of scholars
- Application in winter
- For many, NIH stipend

## **Dean's Research Year**

- Mentor identified
- More time to work on project(s)
- Application in spring
- Graduate student stipend

# Trainee & Alumni Q & A

- Why did you apply to the extra year? Any issues in applying?
- What did you enjoy and achieve in the year? (*or hoping to achieve*)
- How did the year help you prepare for the next steps (applications/residency/career/research projects/etc)?
- What else do you wish you had known about the year?