Predoctoral Clinical Research Training Programs (TL1)

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- **<u>TL1</u>:** Component of NIH Clinical & Translational Science Awards

- **<u>Goal</u>**: to expose pre-doctoral trainees to clinical 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

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JHU Pre-doctoral Clinical Research Training Program

JHU Leadership

Mary Catherine Beach, MD, MPH

Stephen Sozio, MD, MHS, MEHP

Martha Abshire, PhD

Somnath Saha, MD, MPH

University of Maryland Clinical Research Training Programs
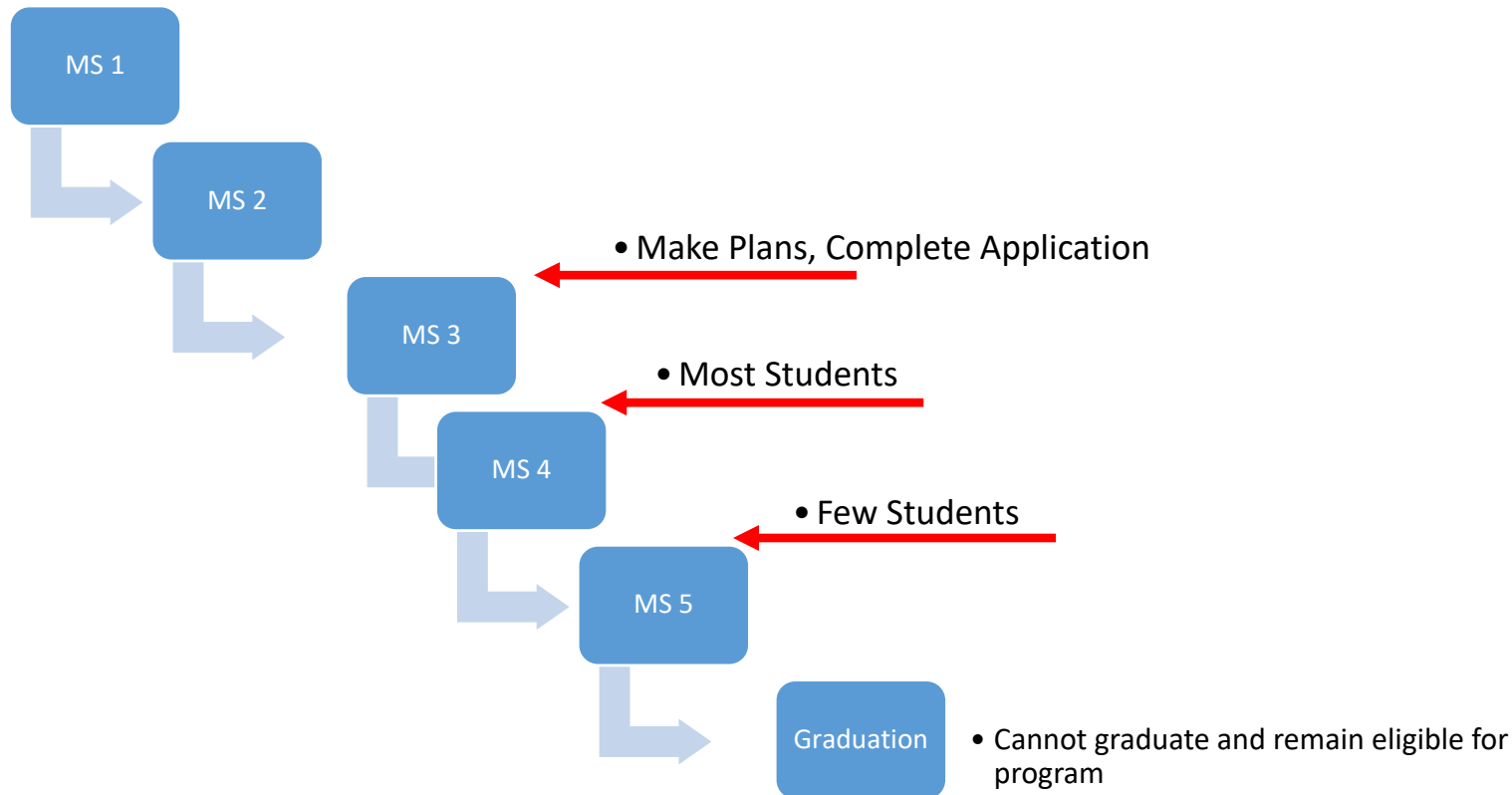
UMB LEADERSHIP

Luana Colloca, MD, PhD, MS   Graziela Z. Kalil, PharmD

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

- ## FIVE YEAR MEDICAL STUDENT PLAN

MS 1

MS 2

→ • Make Plans, Complete Application

MS 3

→ • Most Students

MS 4

→ • Few Students

MS 5

Graduation   • Cannot graduate and remain eligible for program

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What Funding is Covered By This Program?

- **<u>Support (Financial)</u>** *Dollar amounts are approximate

  – Stipend: $25,836 for 12 months

  – Partial Tuition Support: $16,000 per year

  – Additional MPH/MHS office scholarship $8000

  – Health Insurance Stipend: $4,200 per year

  – Research funds: Up to $2000 per year

- **<u>Program Eligibility</u>**

  All Candidates

  a)   United States citizens, permanent resident, or non-citizen national status (proof of residency status required)

Which Degree to Pursue: MHS or MPH?

- **MHS in Clinical Epidemiology**

  - Truly research-oriented degree

  - Requires 64 credits

  - More focused allowing more time for research

- **MPH**

  - Traditional degree in public health

  - Requires 80 credits leaving less time for research

  - PCRTP requires students to concentrate in Biostatistical and Epidemiologic Methods for Clinical Research

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Which Degree to Pursue?
Master of Science in Bioengineering Training Program- CBID

MSE Degree Program
The David E. Swirnow Master of Science in Bioengineering Innovation and Design (CBID) rigorous real-world medical innovation and biodesign program aimed at training the next generation of global medical innovators

CBID MSE Faculty Advisor: Youseph Yazdi, PhD, MBA

Alumni Trainee :

David Gullotti

- *Helped to set up the process for future appointees*

Why do the TL1/a degree now?

EVEN BEFORE RESIDENCY/YOUR CAREER:

- Get time with a mentor and a project
- Get perspective on public health or engineering
- Build your skills in research
- Understand yourself and your direction better
- Marketability for residencies?
- Later degree during residency or fellowship is not guaranteed
- Training will influence any projects you do in the future

Comparison of PH Degree in Med School vs Later Training

A Younger Me

- Residency Penn 2002-2005
- No degree prior
- My QI project:
  - Looking at vaccination rates for my patients
- MHS during fellowship
  - Had to submit a grant to do this
- Active portfolio since; it just took longer

Scott Halpern, MD, PhD

- Residency Penn 2004-2006
- Epi PhD prior
- Scott's QI Project:
  - Developing an algorithm for starting BP meds in newly diagnosed patients
- Went on to be part of IOM, publish in NEJM

Application Process

TL1 Application
Deadline January 7th, 2022
Application Now Available via SLATE

- Complete online TL1 application:

  1. Personal statement (1-2 pages describing your career objectives, interest and/or experience in at least one of the clinical research areas)

  2. Two letters of recommendation

  3. CV/Resume

  4. Unofficial Transcripts

MPH and MHS
Application Deadline: Dec 1, 2021.

  1. MPH Biostatistical and Epidemiologic Methods for Public Health and Clinical Research

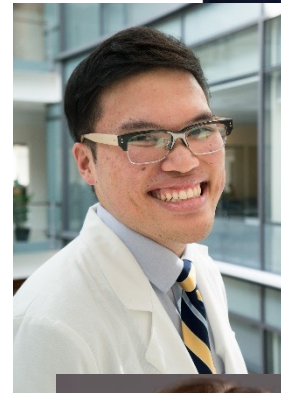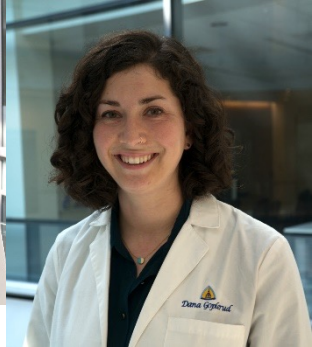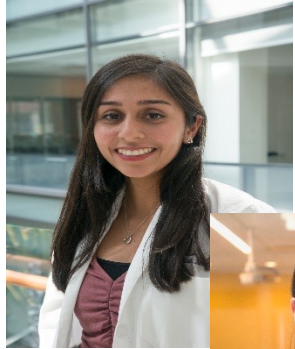 2. MHS in Clinical Epidemiology

MSE (CBID)
Application Deadline: December 31, 2021.

Application questions Contact: CBID@jhu.edu

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TL1 Alumni 2020-21
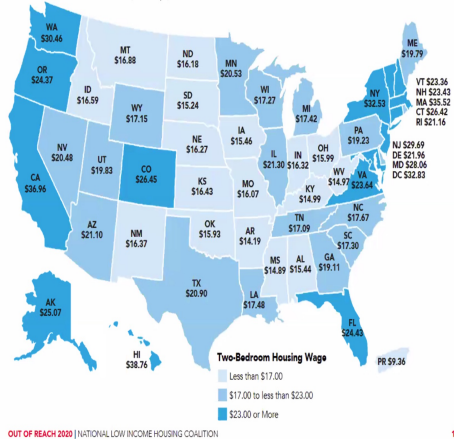
Alumni We Have Here Today!

2020-2021 Alumni SOM TL1 Trainees:

- Dana Goplerud, (MPH)

- Hursuong Vongsachang, (MPH)

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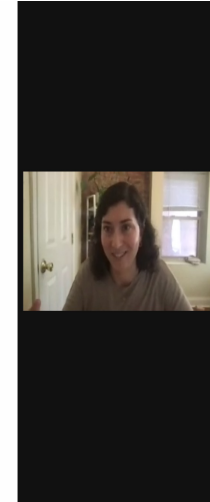INSTITUTE *for* CLINICAL &
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Research in Progress w/Dana

Housing costs are unaffordable for millions of families

Two-Bedroom Housing Wage
- Less than $17.00
- $17.00 to less than $23.00
- $23.00 or More

OUT OF REACH 2020 | NATIONAL LOW INCOME HOUSING COALITION   15
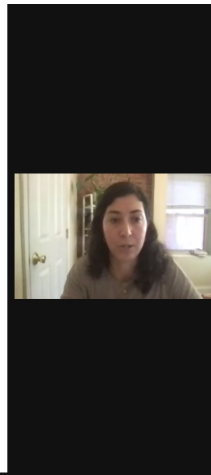
Low Income Housing Tax Credit (LIHTC)

- Administered by the IRS and distributed by states

- Developers apply for funding to build or renovate affordable housing properties

- Funding allocated based on a Qualified Allocation Plan
  - There has been a move to incorporate health into these plans

- Often built in neighborhoods with higher poverty or more residents of color

Housing Policy Debate 2018; McClure & Johnson, Housing Policy Debate 2014

Key takeaways

- LIHTC properties are built in neighborhoods with lower socioeconomic status, more residents of color, and more renters.
- On the national scale, LIHTC properties are built in neighborhoods with higher levels of industrial air pollution, though these differences do not persist after adjustment for neighborhood characteristics
- Tracts with more LIHTC units have higher pollution exposure, although this is explained by neighborhood characteristics

Dana received the "MPH Capstone Award for outstanding achievement!"

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Research in Progress w/Hursuong

Alumni Open for Questions

- Why did you apply to the TL1 program?

- What challenges did you have in applying?
    - (Consider applications to both SPH/SOE and TL1, letters, time, whether to do the program)

Alumni Open for Questions

- What did you enjoy about the TL1 program?
  - (Consider training, skills, school, funding, time for projects, collaboration, etc)

- What did you achieve through the TL1 program?

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Alumni Open for Questions

- How did the TL1 program help your future M4 or early career self?

- What else do you wish you had known about the program?

JHU Pre-doctoral Clinical Research Training Program
Any questions?

Evaluation and Selection
MPH/MHS/MSE Deadline: December
TL1 Application Deadlines: January 7, 2022

Application Review:
January - February 2022

Official Award Notification: March 2022

Official Start Date:
July 1, 2022

TL1 Program Manager

Stacey Marks, MS
sjmarks@jhu.edu

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