

SESSION
**Building on a Solid Foundation: Success Stories –
Cancer Education and Training**

**TUFCCC/HC Regional Comprehensive Cancer Health Disparity Partnership
Research Education Core**

Carolyn Y. Fang, PhD

Fox Chase Cancer Center-Temple Health

Partnership Institutions



Temple University-Fox Chase Temple Health

- Located in Philadelphia
- >51% of students from diverse communities
- 70% receive need-based aid

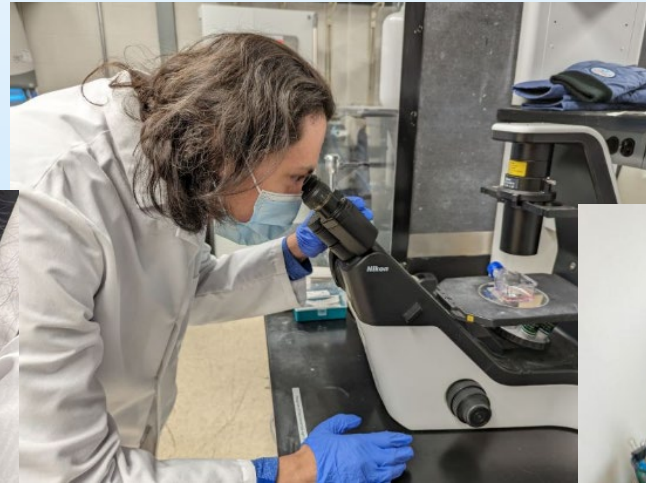
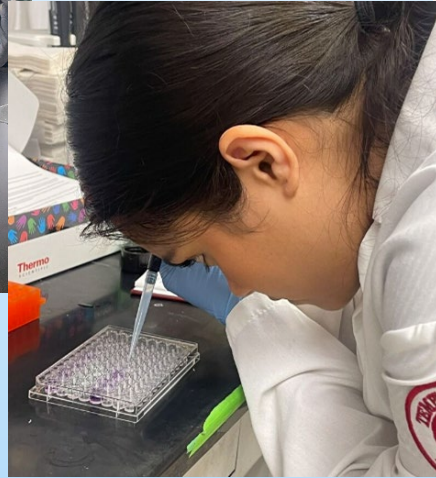
Hunter College

- Located in NYC
- US DOE designated Minority-Serving Institution
- 72% of students from diverse communities
- 74% receive need-based aid



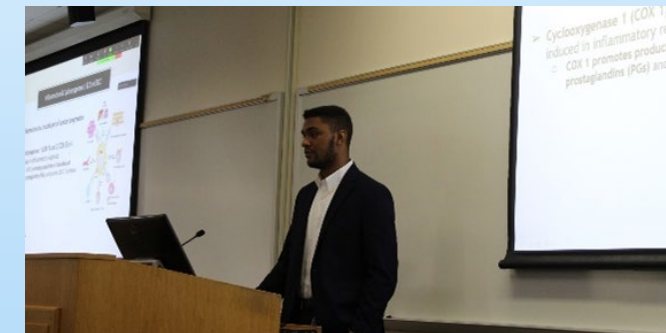
Summer Cancer Research Institute (SCRI)

- 8-week intensive mentored research training program for undergrads
- Held in Philadelphia (labs at TUFCCC)
- Curriculum: Didactic lectures, “How-to” workshops, a lab techniques mini course



Strategies and Best Practices

- Dynamic hands-on research experience
- Exposure to different career opportunities
 - Genetic counselors
 - Registered dietitians
 - Social work
 - Clinical staff
- Skill-building workshops
- Research symposium



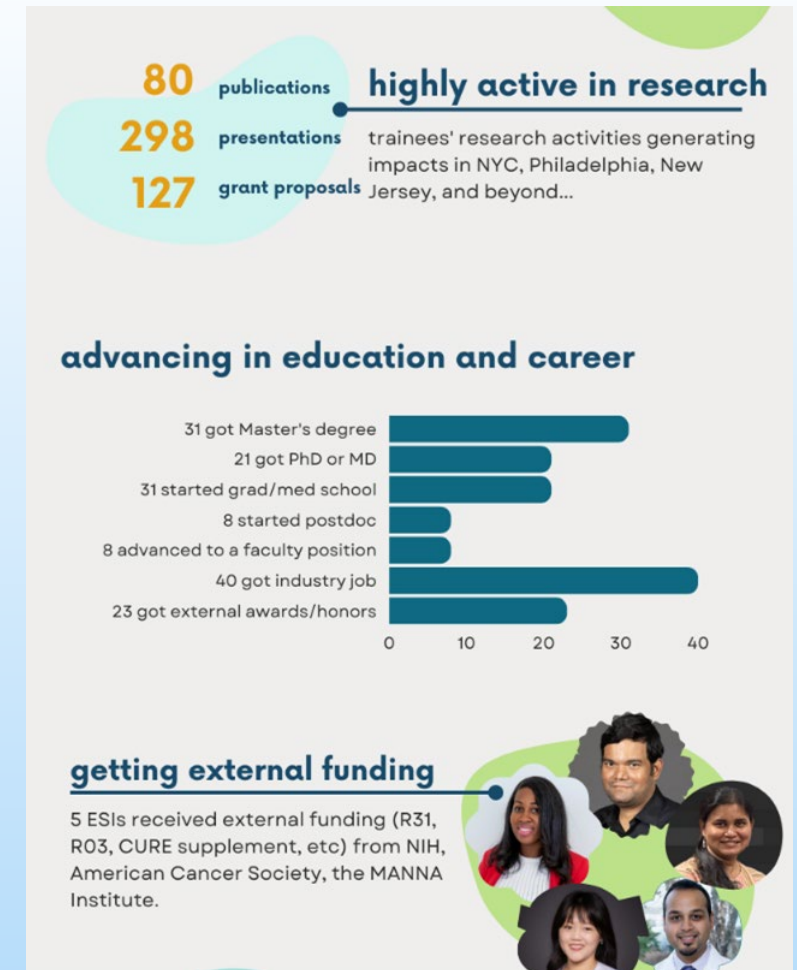
SCRI Accomplishments



- 6 SCRI grads enrolled in medical school
- 4 SCRI grads enrolled in graduate school
- 9 SCRI grads have co-authored peer-reviewed papers
- 2022 SCRI
 - 2 HC trainees returned to work with their TUFCCC mentor in 2023 (paid for by mentor's grant, not U54)
- 2023 SCRI
 - 5 grads will continue work with their TUFCCC mentor in Fall 2023
 - HC trainees matched with HC mentors & labs

Mentorship for Advanced Trainees

- Annual Pilot Grants - supported by institutional commitment from TUFCCC
- Monthly meetings & webinars
- Research output
 - 80 publications
 - 298 conference presentations
- Total: **207 trainees**
 - SCRI, Pilot awardees, ESIs involved in U54
 - >75% had educ/career advancement
 - 58 (28%) awarded post-grad degree
 - 99 (47%) enrolled in post-grad program, obtained faculty/postdoc position



Career Advancement: HC Trainee Examples

Jorge Canar, PhD(c)



- BA in Biological Sciences, HC
- PhD student, Biomedical Sciences at Temple Univ.
 - T32 training grant (MPI: X. Grana, REC)
- U54 Pilot Award
- Applying for F31
- Publications
 - Xiao, ...Canar, ... & Bargonetti. *Cancer Research*, 2020
 - Canar et al., *Cancers*, 2022
 - Canar et al., *Cytokines*, 2023

Sophia Varriano, PhD



- PhD in Molecular Bio, HC/CUNY
- SCRI grad
- Publication with SCRI mentor
- U54 Pilot Award
- NCI iCURE and Sallie Rosen Kaplan Postdoctoral Fellow



Career Advancement: TUFCCC Examples

Lin Zhu, PhD

- Postdoctoral fellow
- U54 Pilot Award
- NCI R03 CA259633
- Assistant Professor
 - Dept of Urban Health and Population Science
- NIH Leadership and Education Advancement Program for Diverse Scholars (LEAP), 2023



Jayashri Ghosh, PhD

- Postdoctoral fellow
- U54 Pilot Award
- NCI R21 CA264213
- Assistant Professor
 - Fels Cancer Institute for Personalized Medicine
- U54 Cycle 1: ESI on Project
- U54 Cycle 2 (*pending*): Project Co-Lead



Mentor Training

- Workshops

- Effective Mentoring – led by Dr. Kolawole Okuyemi (PI: National Research Mentoring Network)
- Mentoring Across Diversity
- Unconscious Bias & Gender Equity

- Other Resources

- AAAS Communication Training
- Alan Alda Center for Communicating Science

TUFCCC/HC Research Education Core
@REC.U54

Happening now!
Mentor Training Workshop featuring Kola Okuyemi, MD, MPH from
#UniversityofUtah

#U54SPEECH2021



TUFCCC/HC Research Education Core @REC.U54 · Apr 21
We are excited to announce the Mentor Training Workshop has been confirmed for the SPEECH Conference!

The Workshop, "Mentoring Across Diversity," will feature Drs. Linda Hasunuma and Emtinan Alqurashi from TU.

Register here: eventbrite.com/e/mentor-train...



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Sustainability & Enhancing Research Capacity

Undergraduate level

- Funded R25 CA260125 (2022-2027; MPI: J. Erblich)
- Increases the research training infrastructure and pipeline at Hunter College

Graduate level

- Funded T32 GM142606 (2021-2026; MPI: X. Grana, REC Co-Investigator)
- Supports interdisciplinary cancer research training for PhD students (HC trainee)

Postdoctoral level

- Submitted T32 CA278766 (2024-2029; PI: C. Fang)
- Provide support for postdoctoral training

Medical school

- **Temple-Hunter HEAL:** Linkage program for HC trainees interested in entering medical school at the TU Lewis Katz School of Medicine (LKSOM)

Acknowledgments

- **NCI CRCHD**
- **MPIs U54 CA221704/05**
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 - HC: Olorunseun Ogunwobi, MD, PhD; Joel Erblich, PhD
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 - Yuku Chen, MPH
 - Emily Kaminsky, MS
- **REC Collaborators:** Frida Kleiman, PhD – REC Co-Lead, HC
 - Xavier Grana, PhD
 - Amanda Purdy, PhD
 - Glenn Rall, PhD
 - Alyssa Leystra, PhD
 - Khursheed Navder, PhD
- **Mentors & Trainees!**



Thank you !

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