

# Medical Student One-Year Research Fellowship

2024 INFORMATIONAL BROCHURE



The Office of Student Research

Yale School Of Medicine

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## Faculty Attendees

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### **Sarwat Chaudhry, MD**

### **Erica Herzog, MD, PhD**

*Associate Deans, Office of Student Research, Yale School of Medicine*

Email: [Sarwat.Chaudhry@yale.edu](mailto:Sarwat.Chaudhry@yale.edu) [Erica.Herzog@yale.edu](mailto:Erica.Herzog@yale.edu)

The Office of Student Research was established to assist students with the planning, implementation, and completion of research leading to a thesis. This office provides three types of stipend support for student investigators: 1) first-year MD student summer research stipends, 2) short-term Research stipends for MD students, and 3) Yale Sponsored One-Year Medical Student Research Fellowships. The Yale School of Medicine encourages students to consider dedicating a fifth year of medical school to research training. Drs. Chaudhry and Herzog are available, by appointment, to advise and assist students in these applications.

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### **Ryan Borg, MPH**

*Program Manager, IMPACT, Yale School of Public Health*

Email: [Ryan.Borg@yale.edu](mailto:Ryan.Borg@yale.edu)

Ryan Borg is the representative at Yale School of Public Health for the [Global Health Equity Scholars Program < Yale Institute for Global Health](#) and is available to speak with students interested in this opportunity.

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### **Lloyd Cantley, MD**

*C.N.H. Long Professor of Medicine (Nephrology), Professor of Cellular and Molecular Biology, and Co-director of Education, Yale Center for Clinical Investigation*

Email: [Lloyd.Cantley@yale.edu](mailto:Lloyd.Cantley@yale.edu)

Dr. Cantley is the Scientific Contact for the Yale Center for Clinical Investigation (YCCI) Multidisciplinary Predoctoral Training Program. This program is a one-year fellowship opportunity for predoctoral students in Medicine, Nursing, Public Health and Engineering who are engaged in translational research and committed to team science that crosses disciplinary boundaries.

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### **N’Kenge Haines**

*Director of Financial Aid, Yale School of Medicine*

Email: [Nkenge.Haines@yale.edu](mailto:Nkenge.Haines@yale.edu)

N’Kenge Haines is the Director of Financial Aid at Yale School of Medicine. She is available to speak to students interested in a fully funded fifth year about any implications to their financial aid package.

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### **Robert Harper-Mangels, MD**

*Associate Dean for Admissions and Financial Support, Yale Graduate School of Arts and Sciences*

Email: [Robert.Harper-mangels@yale.edu](mailto:Robert.Harper-mangels@yale.edu)

Dean Harper-Mangels serves as the Fulbright Program Adviser for the Graduate School and the Professional schools at Yale. The primary focus of these grants is the promotion of personal development and

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intellectual, professional and artistic growth achieved through international exchange and cross-cultural interactions conducted in an environment of openness, academic integrity and intellectual freedom.

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**Albert Ko, MD**

*Raj and Indra Nooyi Professor of Public Health and Professor of Epidemiology (Microbial Diseases) and of Medicine (Infectious Diseases)*

Email: [Albert.Ko@yale.edu](mailto:Albert.Ko@yale.edu)

Dr. Ko is the Principal Investigator for the Fogarty Global Health Equity Scholars Program. This training program is specifically designed to train a new cadre of researchers and leaders to address major but yet under-studied public health problems engendered by conditions prevalent in urban and rural informal human settlements of low- and middle-income countries (LMIC).

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**Reshma Ramachandran, MD, MPP, MHS**

*Associate Professor of Medicine (General Medicine)*

Email: [Reshma.Ramachandran@yale.edu](mailto:Reshma.Ramachandran@yale.edu)

Dr. Ramachandran is the director of the One-Year Fellowship for the Office of Student Research. She is a primary care physician trained in family medicine and health services researcher. Her research focuses on developing evidence-driven strategies to ensure equitable access to meaningfully effective and safe health innovations in the United States and abroad.

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## **Essential Information Before Applying**

**Students interested in one-year medical student research fellowships are encouraged to apply for more than one funding opportunity.** Our office will discuss multiple funding choices with students so that they will have an excellent chance of receiving a one-year medical student research fellowship. Our goal is to have every deserving Yale medical student receive funding. Students who receive a Yale sponsored one-year fellowship are allowed to participate in electives/sub-internships for up to four weeks at any point within the academic year.

Some external funding opportunities provide career development opportunities in the form of research meetings and additional research instruction. Additional information on all fellowships is available through the [Office of Student Research website](#).

Please note: Applications for external funding may require a letter of recommendation from the student's Head of Advisory College. Applications for external funding are prepared and reviewed by the Office of Sponsored Projects (OSP) pre-award team that supports the student's mentor's department. A minimum of 7 business days is required for the OSP to conduct an adequate review. Students are encouraged to work with their mentor and the pre-award team to finalize the application well before the submission deadline. Applications for internal funding through the OSR are managed by the OSR and do not require preparation or review by the OSP.

## Overview of Available & Upcoming One-Year Medical Student Research Fellowships

Approximately 15-25 students per year receive competitive one-year medical student research fellowships funded by various sources through separate applications arranged by the Office of Student Research. The stipends vary from \$27,144 to \$42,000 per year. Sources of funding include:

### 1. **American Heart Association (AHA) Predoctoral Fellowship**

The AHA Predoctoral Fellowship aims to enhance research and clinical training for promising students aiming for careers in cardiovascular health. This fellowship is open to pre-doctoral and clinical health professional degree students who intend to pursue careers as scientists, physician-scientists, or related fields aimed at improving global cardiovascular, cerebrovascular, and brain health.

- **Stipend:** \$27,144 plus \$4,550 per year for health insurance
- **Location:** Yale or other participating institutions
- **Number of Awards:** Unlimited
- **Application Deadline:** September 4, 2024
- **Internal YSM Deadline:** August 21, 2024

For more information, please visit the [AHA website](#).

### 2. **American Society of Hematology (ASH) Medical Student Physician-Scientist Award**

The American Society of Hematology (ASH) Medical Student Physician-Scientist Award provides an opportunity for medical students to gain experience in hematology research under the mentorship of an ASH member. This award is designed for first, second, and third-year medical students who are interested in exploring a career in hematology and conducting research in this field.

- **Stipend:** \$32,000
- **Location:** Yale
- **Number of Awards:** Unlimited
- **Application Deadline:** TBD- Applications open in September 2024
- **Internal YSM Deadline:** TBD

For more information, please visit the [ASH website](#).

### 3. **Benjamin Fox Orthopaedic Research Scholar Award**

The Benjamin Fox Orthopaedic Research Scholar Award promotes clinical research by giving U.S. medical students the opportunity to investigate pertinent topics in clinical orthopaedic research at the Children's Hospital of Philadelphia (CHOP). This fellowship is ideal for those interested in a career in orthopaedic surgery and provides extensive research experience under the guidance of experienced mentors.

- **Stipend:** \$30,000
- **Location:** Children's Hospital of Philadelphia (CHOP)
- **Number of Awards:** Unlimited
- **Application Deadline:** November 15, 2024

For more information, please visit the [CHOP website](#).

#### 4. **Global Health Equity Scholars Program**

The Global Health Equity Scholars (GHES) program offers a 12-month mentored global health research training fellowship at select institutions in low- and middle-income countries (LMICs). The program aims to develop the next generation of global health researchers through hands-on research and collaboration across disciplines.

- **Stipend:** \$28,224
- **Location of Research:** International (selected LMICs)
- **Number of Awards:** Unlimited
- **Application Deadline:** October 1, 2024

For more information, please visit the [GHES website](#).

#### 5. **Columbia University Medical Center – David P. Roye Jr. Clinician Research Fellowship**

The David P. Roye Jr., MD Clinical Research Fellowship at Columbia Orthopedics and New York-Presbyterian Morgan Stanley Children's Hospital offers a one-year fellowship in pediatric orthopedics. This program combines both clinical and research experiences, with a mission to improve pediatric musculoskeletal health through evidence-based clinical research. The fellowship is ideal for medical students interested in pursuing a career in orthopedic surgery and provides opportunities for hands-on collaboration with junior and senior faculty, including orthopedic surgeons.

- **Stipend:** Information not provided
- **Location of Research:** New York-Presbyterian Morgan Stanley Children's Hospital
- **Number of Awards:** Information not provided
- **Application Deadline:** TBD

For more information, please visit the [Columbia Orthopaedics website](#).

#### 6. **JH Milestone Fund**

The JH Milestone Fund supports early-stage investigators and innovative research focusing on bleeding, thrombosis, or thrombolysis. Yale students, residents, and fellows working with a Yale mentor are encouraged to apply. The research can cover a broad range of topics within the field, including genetics, biochemistry, cell biology, and clinical applications.

- **Stipend:** \$10,000 (with potential supplement up to \$28,224)
- **Location of Research:** Yale
- **Number of Awards:** 1
- **Application Deadline:** March 1, 2024 (Letter of Intent), May 1, 2024 (Full Application)

For more information, please visit the [Yale Cancer Center website](#), or contact [Richard Carr](#).

#### 7. **John Hopkins Medicine Orthopaedic Surgery – John P. Kostuik Spine Research Fellowship**

The John P. Kostuik M.D. Spine Research Fellowship at Johns Hopkins Medicine is designed for motivated third- or fourth-year medical students interested in gaining research experience in orthopaedic surgery, specifically focusing on spine surgery. This immersive program offers students the opportunity to work closely with leading experts in the field of spine surgery and contribute to cutting-edge research projects.

- **Stipend:** Information not provided
- **Location of Research:** Johns Hopkins Medicine
- **Number of Awards:** Unlimited

- **Application Deadline:** March 31, 2025

For more information, please visit the [John Hopkins Medicine website](#).

#### 8. **The Luce Scholars Program**

Established in 1974, the Luce Scholars Program is a prestigious leadership development fellowship that offers emerging leaders immersive professional experiences in Asia. The program is designed to strengthen cross-border relationships by providing scholars with opportunities to deepen their understanding of Asia's diverse countries, cultures, and people. Through this yearlong immersion, scholars gain the knowledge and skills needed to address.

- **Stipend:** Information not provided
- **Location of Research:** Various locations across Asia
- **Number of Awards:** Information not provided
- **Application Deadline:** October 16, 2024

For more information, please visit the [Luce Scholars Program website](#).

#### 9. **Massachusetts General Hospital, Orthopaedic Surgery - Sports Medicine Fellowship**

This Clinical Research Fellowship in Orthopaedic Sports Medicine and Joint Reconstruction at Massachusetts General Hospital (MGH) provides a unique opportunity for third-year medical students (MS3) to engage in clinical research within the field. The fellowship is awarded to one rising fourth-year medical student who has demonstrated a keen interest in orthopaedics and is a competitive candidate for orthopaedic residency.

- **Stipend:** Salary plus full benefits
- **Location of Research:** Massachusetts General Hospital (MGH), Harvard
- **Number of Awards:** 1
- **Application Deadline:** TBD

For more information, please contact email [Wendy Ames](#).

#### 10. **The Morgan & Madison McClellan International Research Fellowship**

This fellowship supports third- and fourth-year medical students interested in orthopaedic surgery and global health. The 10-month fellowship provides hands-on research experience, including the design and implementation of projects with global partners, and is based at the Orthopaedic Trauma Institute (OTI) at Zuckerberg San Francisco General Hospital.

- **Stipend:** \$37,000
- **Location of Research:** UCSF & International
- **Number of Awards:** 2
- **Application Deadline:** February/March

For more information, please visit the [Morgan & Madison McClellan International Research Fellowship website](#).

#### 11. **NIH Medical Research Scholars Program**

The NIH Medical Research Scholars Program offers a comprehensive research experience in basic, clinical, translational, and population health research. It is designed to prepare medical students for

careers as clinician-scientists through hands-on research at the National Institutes of Health (NIH).

- **Stipend:** \$37,000
- **Location of Research:** NIH, Bethesda, MD
- **Number of Awards:** Unlimited
- **Application Deadline:** December 2, 2024

For more information, please visit the [NIH website](#).

#### **12. The Orthopaedic Value-Based Health Care Fellowship at UT-Austin**

The Orthopaedic Value-Based Health Care Fellowship at the University of Texas at Austin offers medical students a unique opportunity to engage in research that focuses on the intersection of orthopaedic surgery and value-based health care. This one-year fellowship is designed for students interested in exploring how value-based principles can be applied to orthopaedic care to improve patient outcomes and reduce healthcare costs. Fellows will work closely with faculty at UT Austin and engage in both clinical and research activities that contribute to the advancement of orthopaedic value-based healthcare practices.

- **Stipend:** Salaried with benefits
- **Location of Research:** UT Austin, Texas
- **Number of Awards:** Information not provided
- **Application Deadline:** TBD

For more information, please visit the [UT Austin Orthopaedic Fellowship website](#).

#### **13. Predoctoral Training Program in Otolaryngology at Washington University in St. Louis**

The T32 Predoctoral Training Program in Otolaryngology at Washington University in St. Louis provides medical students with a comprehensive research training experience in the field of otolaryngology. This NIH-funded program is designed to prepare students for careers as clinician-scientists by offering in-depth research opportunities in areas such as hearing, balance, voice, and other related disorders. Participants will work closely with leading researchers in the Department of Otolaryngology and have access to state-of-the-art facilities to conduct cutting-edge research.

- **Stipend:** Information not provided
- **Location of Research:** Washington University in St. Louis, Missouri
- **Number of Awards:** Information not provided
- **Application Deadline:** TBD

For more information, please visit the [Washington University Otolaryngology T32 Program website](#).

#### **14. The Physician-Scientist Support Foundation (PSSF) Medical Scholars Research Fellowship**

The PSSF Medical Scholars Research Fellowship supports one year of mentored biomedical research. This prestigious fellowship requires nomination by the medical school dean and provides rigorous research training aimed at preparing students for careers as physician-scientists.

- **Stipend:** \$42,000
- **Location of Research:** Yale or other institutions
- **Number of Awards:** N/A
- **Application Deadline:** TBD

For more information, please visit the [PSSF website](#).

#### **15. The Poggi Pediatric Orthopaedics Research Fellowship**

The Poggi Pediatric Orthopaedics Research Fellowship at Johns Hopkins Medicine is designed to provide students with extensive research opportunities in pediatric orthopaedic surgery, under the mentorship of leading experts in the field. Fellows will be involved in clinical research projects that aim to improve patient care and outcomes in pediatric orthopaedics. This highly competitive fellowship is ideal for students who are passionate about pediatric orthopaedic surgery and seek to contribute to advancements in the field.

- **Stipend:** \$30,000
- **Location of Research:** Johns Hopkins Medicine, Baltimore, Maryland
- **Number of Awards:** 1
- **Application Deadline:** TBD

For more information, please visit the [Poggi Pediatric Orthopaedics Research Fellowship website](#).

#### **16. Sarnoff Cardiovascular Research Fellowship**

The Sarnoff Fellowship provides medical students with an opportunity to engage in cardiovascular research at a research facility in the United States. This one-year fellowship is designed to foster a deep understanding of cardiovascular science and prepare students for careers in the field.

- **Stipend:** \$42,000
- **Location of Research:** Various institutions in the U.S.
- **Number of Awards:** Unlimited
- **Application Deadline:** January 8, 2025

For more information, please visit the [Sarnoff Foundation Website](#) or contact [Dana Boyd](#)

#### **17. Wilbur G. Downs International Fellowship**

The Downs Fellowship supports graduate and professional Yale students conducting health-related research in low- and middle-income countries. While not specifically for one-year medical student fellowships, it provides funding and support for research projects abroad.

- **Stipend:** \$4,000 (plus covered expenses related to airfare, visa, and health consult)
- **Location of Research:** International
- **Number of Awards:** TBD
- **Application Deadline:** March 1, 2025

For further information, please visit the [Wilbur G. Downs Fellowship webpage](#).

#### **18. Yale Endowed One-Year Student Research Fellowships**

The Yale Endowed One-Year Student Research Fellowships provide funding for Yale medical students to dedicate a full year to research, gaining valuable experience and contributing significantly to their field of study. These named and endowed fellowships are supported by the Office of Student Research, which has funds available to support a limited number of students through Yale Sponsored One-Year Fellowships.

- **Stipend:** \$28,224
- **Location of Research:** Yale
- **Number of Awards:** Varies



- **Application Deadline:** April 8, 2024

For additional information please contact the [Office of Student Research](#).

**19. YCCI Multi-Disciplinary Pre-Doctoral Training Program in Translational Research**

The YCCI Multidisciplinary Pre-Doctoral Training Program offers a one-year research fellowship for students engaged in translational research. This program supports students who are committed to team science and cross-disciplinary collaboration in translational research.

- **Stipend:** \$28,224
- **Location of Research:** Yale
- **Number of Awards:** Up to 3
- **Application Deadline:** TBD (usually early March)

For more information, please visit the [YCCI website](#).

Further information on international fellowship opportunities can be found on the [Yale Fellowships and Funding website](#).

## Recent Student Fellowship Awardees

### Class of 2025

#### Cameron Hunter

**Email:** [Cameron.Hunter@yale.edu](mailto:Cameron.Hunter@yale.edu)

**Yale Mentor:** [Dr. Rory Shallis](#)

**Research Project Title:** Intensively treated AML: practice patterns and outcomes.

**Fellowship:** Cameron was a Yale Sponsored One-Year Fellow in the 2023-2024 academic year.

#### Thomas Huang

**Email:** [T.Huang@yale.edu](mailto:T.Huang@yale.edu)

**Yale Mentor:** [Dr. Andrew Taylor](#)

**Research Project Title:** Identifying patients at risk of incarceration and eligible for jail diversion in the Emergency Department with natural language processing.

**Fellowship:** Thomas was a James G. Hirsch fellow in the 2023-2024 academic year.

#### Anita Jegarl

**Email:** [Anita.Jegarl@yale.edu](mailto:Anita.Jegarl@yale.edu)

**Yale Mentor:** [Dr. Jaime Hyman](#)

**Research Project Title:** Superficial Cervical Plexus Block and Quality of Recovery after Thyroidectomy: A Randomized Controlled Trial.

**Fellowship:** Anita was a Yale School of Medicine Student Research fellow in the 2023-2024 academic year.

#### Chaney Kalinich

**Email:** [Chaney.Kalinich@yale.edu](mailto:Chaney.Kalinich@yale.edu)

**Yale Mentor:** [Dr. Nathan Grubaugh](#)

**Research Project Title:** Developing Low-Cost, Whole-Genome, Targeted Sequencing of Mycobacterium tuberculosis

**Fellowship:** Chaney was a National Heart, Lung, and Blood Institute and Richard K. Gershon fellow in the 2023-2024 academic year.

#### Rachel Levinson

**Email:** [Rachel.Levinson@yale.edu](mailto:Rachel.Levinson@yale.edu)

**Yale Mentor:** [Dr. Louise Wang](#)

**Research Project Title:** Developing a Clinical Risk-Prediction Model for Pancreatic Ductal Adenocarcinoma.

**Fellowship:** Rachel was a National Institute of Diabetes and Digestive and Kidney Diseases and Leon Rosenberg Medical Student Fellowship in Genetics fellow in the 2023-2024 academic year.

Class of 2026

**Bassel Shanab**

**Email:** [B.Shanab@yale.edu](mailto:B.Shanab@yale.edu)

**Yale Mentor:** [Dr. Sarwat Chaudhry](#)

**Research Project Area:** Cardiovascular care utilization and outcome disparities amongst Medicare recipients, Veterans, and other populations with a focus on health equity.

**Fellowship:** Bassel is a Sarnoff fellow in the 2024-2025 academic year.