



ONE-YEAR MEDICAL STUDENT RESEARCH FELLOWSHIP INFORMATION

**Prepared by
The Office of Student Research Yale
University School of Medicine**

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Associate Deans, Office of Student Research

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. These are: 1) Summer Research Stipends, 2) Short-Term Student Research Stipends, and 3) One- Year Medical Student Research Fellowships. The School encourages many students to consider a fifth year of medical school and devote it exclusively to research training. Drs. Chaudhry and Herzog are available, by appointment, to advise and assist students in these applications.

Lauren Cohn, MD

Email: lauren.cohn@yale.edu

Associate Professor of Medicine (Pulmonary)

Dr. Cohn is a former Sarnoff Medical Student Research Award recipient. Sarnoff Fellows conduct one year of cardiovascular research at an institution, located within the United States, other than the medical school in which they are enrolled. She is available, by appointment, to discuss the Sarnoff Award and applications.

Robert Harper-Mangels, PhD

Email: robert.harper-mangels@yale.edu

Assistant Dean, Graduate School

Robert Harper-Mangels is the Assistant Dean and Fulbright Program Adviser for Yale Graduate School of Arts and Sciences and Professional School students.

Lloyd Cantley, MD

Email: lloyd.cantley@yale.edu

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

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 crossed disciplinary boundaries.

Sheela Sheno, MD, MPH

Email: sheela.sheno@yale.edu

Assistant Professor of Medicine (AIDS)

Dr. Sheno is an Assistant Professor of Medicine in Infectious Diseases, and a previous recipient of Fogarty and Fulbright awards, who conducts clinical research in South Africa, Liberia, and Ukraine. She is available to discuss opportunities for global health research. The Yale Endowed/Sponsored Fellowships (Gardner, Gershon, & Hirsch) are available to support international work.

Overview of One-Year Medical Student Research Fellowships

Approximately 30-35 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 \$25,320 to \$37,000 per year. Sources of funding are as follows:

1. **Benjamin Fox Orthopaedic Research Scholar Award**

The Benjamin Fox Orthopaedic Research Scholar Award is a one-year research fellowship that promotes clinical research by giving extraordinary U.S. medical students the opportunity to investigate pertinent topics in clinical orthopaedic research at Children's Hospital of Philadelphia (CHOP).

Additional information and application instructions can be found at:

<https://www.chop.edu/pages/benjamin-fox-orthopaedic-research-scholar-award>

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

The YCCI Multidisciplinary Pre-doctoral Training Program in Translational Research is a one year research fellowship that students conducting translational research may apply to.

Additional information and application instructions can be found at:

<https://medicine.yale.edu/ycci/education/predoc/>

3. **Sarnoff Award**

This is a one-year fellowship in cardiovascular related research awarded to students upon application to do research at another research facility in the United States. A separate application is required. For further details please email Dr. Lauren Cohn at lauren.cohn@yale.edu.

For further information see <https://sarnofffellowship.com/Default.asp>

4. **Yale Endowed One-Year Student Research Fellowships**

The Office of Student Research funds named endowed research fellowships through this mechanism. A separate application is required. For additional information please email the Office of Student Research at osr.med2yale.edu. Additional information is available at the Office of Student Research website at

<https://medicine.yale.edu/education/research/student/fundingop/oneyearfellowships/yalefellowships.aspx>

5. **NIH Medical Research Scholars Program**

This program builds on the focus and goals of the NIH Clinical Research Training Program and the HHMI-NIH Research Scholars Program of training the next generation of medical researchers and providing research opportunities in basic, clinical, translational, population health research.

For further information see: <https://clinicalcenter.nih.gov/training/mrsp/>

6. **NIH-NIDDK Medical Student Research Training Fellowship**

The NIH-NIDDK Medical Student Research Training Program will support up to three medical students per year in association with NIDDK sponsored Centers and NIDDK funded training grants at Yale School of Medicine.

For additional information please visit: <https://www.nidk.nih.gov/research-funding/process/apply/funding-mechanisms/t32/medical-student-research-training-supplement>

7. American Heart Association: Founders Affiliate Medical Student Research Program

The American Heart Association Health Sciences Student Research Program is designed to encourage advanced health science students to consider a career in cardiovascular research.

For further information see: <https://www.heart.org/en/affiliates/founders-affiliate-student-research-opportunities>

8. American Heart Association: Predoctoral Fellowship

To enhance the integrated research and clinical training of promising students who are matriculated in pre-doctoral or clinical health professional degree training programs and who intend careers as scientists, physician-scientists or other clinician-scientists, or related careers aimed at improving global cardiovascular health.

Electronic submission to Grants@Heart:

https://professional.heart.org/professional/ResearchPrograms/ApplicationInformation/UCM_443316_Predoctoral-Fellowship.jsp

9. American Society of Hematology: ASH Physician-Scientist Career Development Award

The Physician-Scientist Career Development Award provides an opportunity for first-, second-, and third-year medical students to gain experience in hematology research under the mentorship of an ASH member and to learn more about the specialty.

For further information see: <https://www.hematology.org/Awards/Medical-Student/400.aspx>

10. JH Milstone Fund

Proposals may focus on any aspect of thrombosis, thrombolysis and hemostasis – including biochemistry, genetics, clinical evaluation and testing, quality improvement and treatment. In the absence of preliminary data, appropriate mentors and/or collaborators are important.

For further information contact Richard Carr at richard.carr@yale.edu

11. Global Health Equity Scholars Fellowship

The Global Health Equity Scholars Program is an initiative between Yale University, University of California at Berkeley, and Stanford and Florida International Universities, to support one-year research training of post and predoctoral fellows at 12 partnering international institutions. The overall goal of the program, sponsored by the Fogarty International Center and affiliated NIH institutes (R25 TW009338), is to generate a new and young cadre of global health researchers, educators, and professionals who will be prepared to address the new challenges in global health.

For further information see: <https://publichealth.yale.edu/education/training/ghes/>

12. Gates/Cambridge

Supports 1-3 years of graduate-level research or study in any degree program at Cambridge.

Eligibility: up to 30 years old; no citizenship restrictions; separate competitions for US and non-US applicants.

For further information see: <http://www.gatescambridge.org/about>

13. Fulbright

Supports one year of graduate-level research, whether as part of formal degree programs or individual research projects in many of over 140 host countries.

Eligibility: US citizens.

For further information see: <https://funding.yale.edu/fellowships/fulbright-us-student-grant>

14. Luce

Supports one-year internships, including medical research, in Asia for applicants with little or no experience in Asia.

Eligibility: US citizens; not older than 29 years of age.

For further information, see <https://funding.yale.edu/external-award/luce-scholars-program>

15. NIH-Marshall

Supports 2-3 years of graduate-level research or study in any degree program in the UK. Features special partnerships with Imperial College, London, and US National Institutes of Health, among others.

Eligibility: US citizens; up until three years after graduating from their undergraduate institution.

For further information, see: <https://funding.yale.edu/external-award/marshall-scholarship>

16. Rhodes

Supports 1-3 years of graduate-level research or study in any degree program at Oxford.

Eligibility: restricted to citizens of the US, selected British Commonwealth countries, and Germany. US applicants may be no older than 24 years of age.

For further information, see: <https://funding.yale.edu/external-award/rhodes-scholarship>

IMPORTANT:

- **Students interested in one-year medical student research fellowships are encouraged to apply for more than one source of funding.** 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.
- Additional information on all fellowships is available through the **Office of Student Research website at <https://medicine.yale.edu/education/research/student/fundingop/oneyearfellowships/>**, Please note: If you are interested in applying to any of the one year medical student research fellowships, please contact Donna Carranzo at donna.carranzo@yale.edu at least 10 days prior to the fellowship submission deadline as there may be additional forms that are required to be completed through Yale's Office of Sponsored Projects before the fellowship application can be submitted to the funding agency.

ALL APPLICATIONS REQUIRE A PROGRESS LETTER FROM THE ADVISOR. (MSPE: MEDICAL STUDENT PERFORMANCE EVALUATION FORMERLY CALLED THE DEAN'S LETTER). STUDENTS SHOULD CONTACT DEANNA CALVERT IN THE OFFICE OF STUDENT AFFAIRS at deanna.calvert@yale.edu 4 weeks prior to the application deadline specified.

Past Student Fellowship Awardees

Sherif Eldirany

Class of 2021

Sherif was a Richard K. Gershon, M.D., Student Research Fellow during the 2019-2020 academic year. Project title: Structural biology of keratins and other intermediate filaments. Yale mentor: Dr. Christopher Bunick. Please contact Sherif at sherif.eldirany@yale.edu

Daniel Jacobs

Class of 2021

Daniel was a William U. Gardner Memorial Student Research Fellow during the 2019-2020 academic year. Project title: Assessing epidemiology and clinical outcomes of patients with laryngeal cancer Yale mentor: Dr. Benjamin Judson. Please contact Daniel at d.jacobs@yale.edu

Fatima Mirza

Class of 2021

Fatima was a Yale Center for Clinical Investigation (YCCI) Multidisciplinary Pre-doctoral Training Program Fellow in the 2019-2020 academic year. Project title: Screening novel agent combinations to expedite cutaneous T-cell lymphoma therapeutic development. Yale mentor: Dr. Michael Girardi. Please contact Fatima at fatima.mirza@yale.edu

Shreyas Panchagnula

Class of 2021

Shreyas was a Richard K. Gershon, M.D., Student Research Fellow in the 2019-2020 academic year. Project title: Integrative genomics implicates genetic disruption of prenatal neurogenesis in congenital hydrocephalus. Yale mentor: Dr. Kristopher Kahle. Please contact Shreyas at shreyas.panchagnula@yale.edu

Kishan Patel

Class of 2021

Kishan was an American Society of Hematology Physician-Scientist Career Development Award Fellow in the 2019-2020 academic year. Project title: Cost-effectiveness of novel therapies in hematological malignancies. Yale mentor: Dr. Scott Huntington. Please contact Kishan at kishan.patel@yale.edu

Nensi Ruzgar

Class of 2022

Nensi is currently a Yale School of Medicine One Year Medical Student Research Fellow in the 2020-2021 academic year. Project title: The exploration of molecular and clinical signatures of solid organ tumors in Uganda. Yale mentor: Dr. Emily Christison-Lagay. Please contact Nensi at nensi.ruzgar@yale.edu

Chang Su

Class of 2021

Chang was a Richard K. Gershon, M.D., Student Research Fellow in the 2019-2020 academic year. Project title: Developing a novel bioadhesive nanoparticle-based topical strategy to prevent UVR-induced melanocyte genotoxicity. Yale mentor: Dr. Michael Girardi. Please contact Chang at chang.su@yale.edu

Nelson Ugwu

Class of 2021

Nelson was a Leon Rosenberg, M.D. Medical Student Research Fund in Genetics and Jane Danowski Weiss Family Foundation Fellow in the 2019-2020 academic year. Project title: Identifying novel genetic causes of mosaic disorders. Yale mentor: Dr. Keith Choate. Please contact Nelson at nelson.ugwu@yale.edu

Alexander Wilson

Class of 2021

Alex was a James G. Hirsch, M.D. Endowed Medical Student Research Fellow in the 2019-2020 academic year. Project title: Neuromorphological impact of intracranial hypertension risk factors in syndromic craniosynostosis. Yale mentor: Derek Steinbacher. Please contact Alex at alexander.wilson@yale.edu

Melinda Wang

Class of 2021

Melinda was a National Institutes of Health-National Institute of Diabetes and Digestive and Kidney Diseases Medical Student Research Training Program Fellow during the 2019-2020 academic year. Project title: Factors associated with increased severity in acute pancreatitis and pancreatic ductal adenocarcinoma. Yale mentor: Dr. Fred Gorelick. Please contact Melinda at melinda.wang@yale.edu

Melanie Zheng

Class of 2022

Melanie Zheng is currently a James G. Hirsch, M.D. Endowed Medical Student Research Fellow in the 2020-2021 academic year. Project title: Implementation of genomic medicine in clinical hepatology. Yale mentor: Dr. Silvia Vilarinho. Please contact Melanie at melanie.zheng@yale.edu

Common Questions and Answers

Q. If I am interested in Clinical Research, which programs should I apply to?

A. You should apply to either the **YCCI Multi-Disciplinary Pre-Doctoral Training Program in Translational Research, American Heart Association, Sarnoff, American Society of Hematology.**

Q. If I am interested in Laboratory Research, which programs should I apply to?

A. NIH Medical Research Scholars Program, Sarnoff Fellowship, Yale Endowed.

Q. Which program should I apply for if I want to do research at NIH in Bethesda?

A. Medical students wishing to engage in research at NIH in Bethesda should apply to the NIH Medical Research Scholars Program

Q. What are the essential elements for obtaining a competitive award?

- A. 1. Quality of the research environment, including record of the mentor.
2. Quality of the proposed project
3. The initiative and interest of the student
4. Overall quality of the application

Q. Shall I apply for more than one source of funding?

A. YES! We encourage everyone to apply for more than one source of funding. All applicants should plan to apply to the NIH-NIDDK Program at Yale, Sarnoff, American Heart Association, and use other means of support as a backup.

NOTE: A MEDICAL STUDENT PERFORMANCE EVALUATION FORMERLY CALLED THE DEAN'S LETTER IS REQUIRED FOR MOST ALL APPLICATIONS

**Yale University School of Medicine, Office of Student Research
One-Year Medical Student Research Fellowship Opportunities
Beginning July 1, 2021**

Award	Location of Research	Number of Awards	Stipend	Apply To	Application Due OSR	Institution Deadline
Benjamin Fox Orthopaedic Research Scholar Award	CHOP	UL	\$30,000	Dr. John M. Flynn with online application at CHOP, flynnj@email.chop.edu.	N/A	11/15/2030
Yale Center for Clinical Investigation (YCCI) Multi-Disciplinary Pre-Doctoral Training Program in Translational Research	Yale	Up to 3	\$25,320	Yale Center for Clinical Investigation	N/A	TBD
Sarnoff	Other	UL	\$32,000	Dr. Lauren Cohn	N/A	01/12/2021
Yale Endowed: Anonymous, Danowski, Gardner, Gershon, Hirsch, Rosenberg	Yale	6-8	\$24,816	OSR	04/09/2021	04/09/2021
NIH Medical Research Scholars Program	NIH	UL	\$37,000	NIH on-line	N/A	01/08/2021
NIH-NIDDK Medical Student Research Training Fellowship	Yale	1 per T32 grant at Yale	\$24,816	OSR	12/11/2020 & 03/05/2021	01/15/2021 & 04/16/2021
American Heart Association Founders Affiliate Medical Student Research Program	Yale	UL	\$20,000	OSR & American Heart Association	4 weeks before AHA deadline	TBD
American Heart Association Predoctoral Fellowship	Yale	UL	\$25,320	OSR & American Heart Association via Grants@Heart	4 weeks before AHA Deadline	TBD
American Society of Hematology: ASH Physician-Scientist Career Development Award	Yale	UL	\$32,000	OSR & American Society of Hematology	01/07/2021	02/01/2021
JH Milstone Fund	Yale	1	\$10,000 (if awarded OSR will supplement to \$25,320)	Contact Richard Carr at rchard.carr@yale.edu	N/A	03/01/2021 Letter of Intent 05/03/2021 Application Due
Global Health Equity Scholars Fellowship	International	UL	\$25,320	Apply at Yale through http://ghes.berkeley.edu/contact/	N/A	11/02/2020
Fulbright	International	For further information contact Robert Harper-Mangels				
Gates, Cambridge, NIH-Marshall, Rhodes	International	For further information contact the Yale Center for International and Professional Experience				