



**ONE-YEAR MEDICAL STUDENT
RESEARCH FELLOWSHIP
INFORMATION**

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

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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. Dr. Forrest directs the NIH CTSA Multidisciplinary Pre-Doctoral Training Program in Translational Research, Doris Duke International Clinical Training Program at various international sites, the HHMI program, and Yale Endowed Fellowships. Dr. Forrest is available, by appointment, to advise and assist students in these applications.

Lauren Cohn, MD

Associate Professor of Medicine (Pulmonary)

203-737-1459, Email: lauren.cohn@yale.edu

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.

Sheela Shenoi, MD, MPH

Assistant Professor of Medicine (AIDS)

203-737-6133, Email: sheela.shenoi@yale.edu

Dr. Shenoi conducts research on HIV/AIDS and tuberculosis with a focus on resource-limited settings. Dr. Shenoi has worked in South Africa to study the epidemiology of drug resistant tuberculosis and tuberculosis infection control strategies. She currently develops and implements community-based projects that emphasize the integration of HIV and tuberculosis services to improve prevention, care and treatment for patients with HIV/AIDS and tuberculosis.

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 \$23,844 to \$36,000 per year. Sources of funding are as follows:

1. NIH CTSA Multidisciplinary Pre-Doctoral Training Program in Translational Research

This is a one year clinical/translational research fellowship program under the Clinical and Translational Science Award (CTSA) administered through the Office of Student Research. The program is part of the NIH Roadmap initiative to train and fund more MDs to undertake training, research projects and eventually careers focused on clinical research.

Additional information and application instructions can be found at:

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

2. Howard Hughes Medical Institute (HHMI) at Yale

This award is for one-year student research fellowships in basic, translational, or applied biomedical research. These applications must be reviewed by the Office of Student Research prior to submission.

Website: <http://www.hhmi.org/programs/medical-research-fellows-program>

3. Doris Duke Charitable Foundation International Clinical Research Fellowship Program for Medical Students

The Doris Duke Charitable Foundation International Clinical Research Fellowship is for medical students conducting research at selected international sites in low or middle-income countries. Up to 3 one-year fellowships will be awarded to medical students each year to study topics that significantly impact morbidity and mortality and are relevant to the international site including communicable diseases, non-communicable diseases, trauma, and maternal and child health. Students will be paired with two mentors, one at Yale and the second at the international institution.

Additional information will be available in late November, 2017 at Doris Duke Charitable Foundations website at <http://www.ddcf.org/what-we-fund/medical-research/goals-and-strategies/encourage-and-develop-clinical-research-careers/international-clinical-research-fellowship/>

Application requirements to the Office of Student Research will be available in late November, 2017 at <https://medicine.yale.edu/education/research/student/fundingop/oneyearfellowships/ddcf.aspx>

4. Howard Hughes Medical Research Program at Janelia Farm

This award is a one year fellowship in neuronal networking and/or imaging at the cellular and molecular level at the Janelia Farm Research Campus in Ashburn, Virginia.

Website <http://www.hhmi.org/programs/medical-research-fellows-program>

5. 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, Internal Medicine at lauren.cohn@yale.edu.

Website:

http://www.sarnofffoundation.org/?page=Fellowship_Info&hhSearchTerms=Fellowship+and+Applicaionshttp://www.sarnofffoundation.org/?page=Fellowship_Info&hhSearchTerms=Fellowship+and+Applications

6. 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 either stop by or call (785-6633) the Office of Student Research.

Additional information is available at the Office of Student Research website at <https://medicine.yale.edu/education/research/student/fundingop/oneyearfellowships/yalefellowships.aspx>

7. NIH Medical Research Scholars Program

A new training opportunity that blends the elements of two former programs (HHMI-NIH Research Scholars Program and NIH Clinical Research Training Program). This 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 laboratory, clinical, and translational research for medical and dental students.

Website: <http://www.cc.nih.gov/training/mrsp/index.html>

8. 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 the Office of Student website at <https://medicine.yale.edu/education/research/student/fundingop/oneyearfellowships/nihtraining.aspx>

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

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

Please contact Mary Gonzalez at MGonzalez@heart.org for additional information and application packet.

Website: http://www.heart.org/HEARTORG/Affiliate/Founders-Affiliate-Local-Research-Opportunities_UCM_315885_Article.jsp

10. 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.

Application Deadline: Wednesday, November 1, 2017

*Electronic submission to Grants@Heart:

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

11. 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.

Website: <http://www.hematology.org/Awards/Medical-Student/400.aspx> .

12. 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.

Website: <https://ghes.berkeley.edu/contact>

13. 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.

Deadlines: October 11, 2017 for US applicants. Deadlines for non-US applicants vary by course.

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

14. 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.

Yale Deadline: September 25, 2017 (contact Dean Richard Sleight).

National Deadline: October 6, 2017.

For further information see: <https://yale.communityforce.com/Funds/Search.aspx>

15. 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.

Yale Deadline: September 22, 2017.

For further information, see <http://studentgrants.yale.edu>; www.hluce.org/lprogram.aspx

16. 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.

Yale Deadlines: August 7, 2017 (registration), August 21, 2017 (application).

National Deadline: October 2, 2017.

For further information, see: <http://studentgrants.yale.edu>; www.marshallscholarship.org/

17. 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.

Yale Deadlines: (preliminary) August 7, 2017; (campus application deadline) August 21, 2017.

For further information, see: <http://studentgrants.yale.edu>; www.rhodeshouse.ox.ac.uk

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**, ESH 310. **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 as there may be **additional forms that are required** to be completed through Yale's Office of Grants and Contracts 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 MARY BARNEY AND MARIA VOLPE IN THE OFFICE OF STUDENT AFFAIRS mary.barney@yale.edu and maria.volpe@yale.edu by November 10, 2017

Past Student Fellowship Awardees

Adeolu Aromolaran

Class of 2018

Adeolu was a Doris Duke Charitable Foundation International Clinical Fellow and Fulbright-Fogarty Fellow during the 2016–2017 academic year. Project title: **Risk Factors for Congenital Microcephaly in Infants with In Utero Exposure to Zika Virus: A Case Control Study**. Yale Mentor: Dr. Albert Ko, Yale School of Public Health. Please contact Adeolu at adeolu.aromolaran@yale.edu.

Mark Erfe

Class of 2018

Mark was a Sarnoff Fellow during the 2016–2017 academic year. Project title: LAG-3 and its implications for cardiac transplantation. Yale Mentor: Dr. George Tellides, Department of Surgery. Please contact Mark at mark.erfe@yale.edu.

Cyril Gary

Class of 2018

Cyril was a National Institutes of Health- Clinical Translational Science Award Multidisciplinary Pre-Doctoral Training Program in Translational Research (NIH CTSA TL1) Fellow during the 2016-2017 academic year. Project title: **Exploring the role of HPV in EGFR activation**. Yale Mentor: Dr. Wendell Yarbrough, Department of Surgery. Please contact Cyril at cyril.gary@yale.edu.

Rejoice (Fari) Ngongoni

Class of 2018

Fari was a Doris Duke Charitable Foundation International Clinical Fellow during the 2016-2017 academic year. Project title: **Prescribing and dispensing practices for medicine to treat non-communicable disease in public and private health facilities in Uganda**. Yale Mentor: Dr. Jeremy Schwartz, Department of Internal Medicine. Please contact Fari at fari.ngongoni@yale.edu.

James Reed

Class of 2018

James was a Howard Hughes Medical Institute Medical Research Fellow during the 2016 – 2017 academic year. Project title: **Mechanisms of intracellular receptor for advanced glycation endproduct signaling in jurkat and type 1 diabetes mellitus T lymphocytes**. Yale Mentor: Dr. Kevan Harold, Department of Immunobiology. Please contact James at james.reed@yale.edu.

Ronnye Rutledge

Class of 2018

Ronnye was a G.D. Hsiung, Fellow and Yale School of Medicine Medical Student Fellow during the 2016 – 2017 academic year. Project title: **Knowledge, attitudes and health behaviors related to pre-exposure prophylaxis in criminal justice involved women**. Yale Mentor: Dr. Jaime Meyer, Department of Internal Medicine. Please contact Ronnye at ronnye.rutledge@yale.edu.

Radovan Vasic

Class of 2018

Radovan was an American Society of Hematology Fellow during the 2016 – 2017 academic year.

Project title: **Characterizing altered splicing by mutant SRSF2 in myelodysplastic syndromes.** Yale

Mentor: Dr. Stephanie Halene, Department of Internal Medicine. Please contact Radovan at

radovan.vasic@yale.edu.

Karrin Weisenthal

Class of 2018

Karrin was an NIH/NIDDK and Gershon Fellow during the 2016-2017 academic year. Project title:

Dose optimization for stone evaluation (DOSE). Yale Mentor: Dr. Christopher Moore, Department of

Emergency Medicine. Please contact Karrin at karrin.weisenthal@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 (or both) the NIH CTSA Multidisciplinary Pre-Doctoral Training Program in Translational Research or the Doris Duke International Clinical Research Fellowship Program. If you want to go to the NIH, you should apply to the NIH Medical Research Scholars Program.
- Q. If I am interested in Laboratory Research, which programs should I apply to?
- A. Howard Hughes Yale, or NIH Medical Research Scholars Program or Sarnoff Fellowship.
- Q. Can I apply to both the Howard Hughes Research Training Fellowships and the NIH Medical Research Scholars Program?
- A. Medical Students may apply to both.
- 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 Howard Hughes Programs, the NIH-Yale Program or the Doris Duke International Clinical Research Fellowship Program and use other means of support as a backup. NOTE: A MEDICAL STUDENT PERFORMANCE EVALUATION FORMERLY CALLED THE DEAN'S LETTER IS REQUIRED FOR ALL APPLICATIONS.**

NOTES:

**Yale University School of Medicine, Office of Student Research
One-Year Medical Student Research Fellowship Opportunities
Beginning June 1, 2018**

Award	Location of Research	Number of Awards	Stipend	Apply To	Application Due OSR	Institution Deadline
NIH CTSA Multidisciplinary Pre-Doctoral Training Program in Translational Research (TL1)	Yale	3-4	\$23,844	OSR	04/06/2018	04/06/2018
Howard Hughes Medical Institute (HHMI) Medical Research Fellows Program						
Yale	Yale	UL	\$32,000	OSR & HHMI on-line	12/11/2017 (Personal statement only)	01/11/2018
Janelia Farm	Janelia Farm Research Campus	UL	\$32,000	OSR & HHMI on-line Two-step application process	12/11/2017 (Personal statement only if submitting Final App.)	11/01/2017: Prescreening App. 1/11/2018: If submitting Final App.
Doris Duke Charitable Foundation International Clinical Research Fellowship Program for Medical Students	International	3	\$30,000	OSR & on-line		TBD
Sarnoff	Other	UL	\$32,000	Dr. Lauren Cohn		01/10/2018
Yale Endowed: Anonymous, Danowski, Gardner, Gershon, Hirsch, Rosenberg	Yale	6-8	\$23,844	OSR	04/06/2018	04/06/2018
NIH Medical Research Scholars Program	NIH	UL	\$36,000	NIH on-line		01/12/2018
NIH-NIDDK Medical Student Research Training Fellowship	Yale	UL	\$23,844	OSR	12/11/2018 & 03/09/2018	01/15/2018 & 04/15/2018
American Heart Association Founders Affiliate Medical Student Research Program	Yale	UL	\$22,000	OSR & American Heart Association	11/17/2017	12/04/2017
American Society of Hematology: ASH Physician-Scientist Career Development Award	Yale	UL	\$32,000	OSR & American Society of Hematology	12/11/2017	1/15/2018
Global Health Equity Scholars Fellowship	International	UL	\$22,920	Apply at Yale through http://ghes.berkeley.edu/contact/		11/01/2017
Gates/Cambridge, Fulbright	International	For further information contact Dean Richard Sleight				
Luce, NIH-Marshall, Rhodes				Deadlines begin in late August		