



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

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

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Director, Office of Student Research

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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-TL1 program, the several Doris Duke Fellowships at Yale, the HHMI program, and Yale Endowed Fellowships. Dr. Forrest is available, by appointment, to advise and assist students in these matters.

Lauren Cohn, M.D.
Associate Professor, Internal Medicine (Pulmonary)

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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.

John Leventhal, M.D.
Professor of Pediatrics, Clinical Professor, School of Nursing, and Professor Child Study Center

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Dr. Leventhal and Dr. Forrest direct the Doris Duke Fellowship in Child Abuse. Dr. Leventhal is a graduate of Tufts Medical School, Professor of Pediatrics at Yale Medical School and Medical Director of the Child Abuse Programs and Child Abuse Prevention Programs at Yale-New Haven Children's Hospital.

Kate Dailinger
Associate Director for International Education and Fellowship Programs for UK and Irish Fellowships

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Cambridge-trained, Kate Dailinger specializes in advising students interested in applying for the UK and Irish fellowships such as the Gates, Henry, Marshall, Mitchell and Rhodes. Kate Dailinger is available, by appointment, to advise and assist students in these matters.

OVERVIEW OF ONE-YEAR FELLOWSHIPS

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 \$21,600 to \$33,700 per year. Sources of funding are as follows:

1. NIH CTSA/TL1 Yale Predoctoral Clinical Research Training Program

This is a one year clinical 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: <http://medicine.yale.edu/education/osr/student/funding/oneyear/nihyale.aspx>

2. Howard Hughes Medical Institute (HHMI) at Yale

This award is for one-year student research fellowships in laboratory research at Yale. These applications must be reviewed by the Office of Student Research prior to submission. Website: <http://www.hhmi.org/grants/individuals/medfellows.html>

3. Doris Duke Clinical Research Fellowship Program for Medical Students

The Doris Duke Clinical Research Fellowship (DDCF) Program offers students the opportunity to pursue a career in clinical research by completing a one year combined didactic and mentored clinical research training program with a specific project focus. For additional information please either stop by or call (785-6633) the Office of Student Research. In addition to the common application, which is submitted electronically through the Doris Duke Charitable Foundations website at <http://www.ddcf.org/mrp-crf>, application requirements to the Office of Student Research can be found at <http://medicine.yale.edu/education/osr/student/funding/oneyear/doris.aspx>

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

This award is for a one year fellowship for medical students to conduct mentored clinical research training in Africa and other international sites on HIV/AIDS and related diseases. Students will also participate in didactic courses with the Doris Duke Clinical Research Fellows during the year of their fellowship. Students will be paired with a faculty research mentor at Yale, and also in Africa or other international sites. It is expected that students will spend at least 9 months conducting research. In addition to the common application which is submitted electronically through the Doris Duke Charitable Foundations website at <http://www.ddcf.org/mrp-crf>, application requirements to the Office of Student Research can be found at <http://medicine.yale.edu/education/osr/student/funding/oneyear/ddcf.aspx>

5. Doris Duke Child Abuse Research Fellowship

This award is designed to have medical students conduct methodologically rigorous research projects under the supervision of a Yale faculty member specializing in child abuse and maltreatment. Information, can be found at <http://medicine.yale.edu/education/osr/student/funding/oneyear/doris.aspx>

6. 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/grants/individuals/medfellows.html>

7. 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/fellowship_app/index.cfm

8. Yale Sponsored 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 website at <http://medicine.yale.edu/education/osr/student/funding/oneyear/gardner.aspx>

9. 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>

10. 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 <http://medicine.yale.edu/education/osr/student/funding/oneyear/nihtraining.aspx>

11. NIH Research for Future Physicians in Child Psychiatry

The fellowship is offered by the Child Study Center. For further information please contact Dr. Andres Martin: andres.martin@yale.edu

12. American Heart Association Health Sciences Student Research Project

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

13. American Society of Nephrology

The American Society of Nephrology Medical Student Research Fellowship is designed to enable selected medical students with an interest in either basic or clinical research to spend from 10-52 weeks engaged in continuous full-time research. Applications are available via the website: http://www.asn-online.org/grants_and_funding/SSG-Grant.aspx

14. 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 15, 2011 for US applicants. For further information, see: <http://www.yale.edu/yalecollege/academics/fellowships/competitions/list/gates/>

15. 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 Deadlines: September 3, 2011 (registration), September 13, 2011 (application). National Deadline: October 17, 2011. For further information, see: <http://www.yale.edu/yalecollege/academics/fellowships/competitions/list/fulbright/index.html>

16. 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 29, 2011. For further information, see: <http://www.yale.edu/yalecollege/academics/fellowships/competitions/list/luce/>

17. 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 17, 2011 (registration), August 24, 2011(application). National Deadline: October 5, 2011. For further information, see: <http://studentgrants.yale.edu/>

18. 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. National Deadline: September 28, 2011. For further information, see: <http://www.yale.edu/yalecollege/academics/fellowships/competitions/list/rhodes/index.html>

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.

ALL APPLICATIONS REQUIRE A DEAN'S LETTER AND STUDENTS SHOULD CONTACT DR. NANCY ANGOFF FOR THIS. DR. ANGOFF SETS STRICT DEADLINES FOR THESE LETTERS.

PAST STUDENT FELLOWSHIP AWARDEES

Oliver Barry

Class of 2012

Oliver was a Doris Duke International/Hirsch Fellow during the 2010-2011 academic year. Project title: **Efficacy and monitoring of HAART in children in a resource-limited setting.** Mentor: Dr. Elijah Paintsil. Please contact Oliver at oliver.barry@yale.edu

Leonard Edokpolo

Class of 2012

Leonard was a Yale/Hirsch Endowed Fellow during the 2010 academic year. Project title: **Intermittent Catheterization and Recurrent Urinary Tract Infection in Spinal Cord Injury.** Mentor: Dr. Harris Foster. Please contact Leonard at: leonard.edokpolo@yale.edu

Don Hoang

Class of 2012

Don was a 2011 CTSA-TLI Fellow during the 2010-2011 academic year. Project title: **Calciphylaxis, Parathyroids, And Leptin?** Mentor: Dr. Deepak Narayan. Please contact Don at: don.hoang@yale.edu

Guson Kang

Class of 2012

Guson was a Sarnoff Fellow during the 2010-2011 Academic year. Project title: **BIN 1 and Mechanisms of T-tubule Formation.** Mentor: Dr. Robin Shaw, UCSF; Yale Mentor: Dr. Frank Giordano. Please contact Guson at: guson.kang@yale.edu and he will answer any questions you may have.

Lara Rosenbaum

Class of 2012

Lara was a Howard Hughes Fellow during the 2010-2011 academic year. Project title: **Evaluating The Role Of E-Cadherin In Melanoma Invasion And Metastasis.** Mentor: Dr. Marcus Bosenberg. Please contact Lara at: lara.rosenbaum@yale.edu

Sonya Thomas

Class of 2012

Sonya was a Doris Duke Fellow during the 2010-2011 academic year. Project title: **Asymmetric Low Pressure Glaucoma And Sleep Position.** Mentor: Dr. Nils Loewen. Please contact Sonya at: sonya.thomas@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-TL-1 Yale Clinical Research Fellowship or the Yale Doris Duke 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 either the Howard Hughes Programs, the NIH-Yale Program or the Doris Duke Program and use other means of support as a backup. A 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, 2012**

<u>Award</u>	<u>Location of Research</u>	<u>Number of Awards</u>	<u>Stipend</u>	<u>Apply To</u>	<u>Application Due OSR</u>	<u>Institution Deadline</u>
NIH Yale Predoctoral Clinical Research Training Program (TL1)	Yale	6	\$21,600	OSR	01/12/2012	01/12/2012
Doris Duke Clinical Research Fellowship Program for Medical Students	Yale	7	\$28,000	OSR & on-line	01/12/2012	01/12/2012
Doris Duke Child Abuse Research Fellowship	Yale	1-2	\$28,000	OSR & on-line	01/12/2012	01/12/2012
Howard Hughes Medical Institute (HHMI) Yale	Yale	UL	\$28,000	OSR & HHMI on-line	12/09/2011	01/11/2012
Janelia Farm	Janelia Farm Research Campus	UL	\$28,000	OSR & HHMI on-line Two-step application process	12/09/2011 If submitting Final App.	11/01/2011: Prescreening App. 01/11/2012: If submitting Final App.
Doris Duke Charitable Foundation International Clinical Research Fellowship Program for Medical Students	Africa and Other International Sights	3	\$28,000	OSR & on-line	01/12/2012	01/12/2012
Sarnoff	Other	UL	\$28,500	Dr. Lauren Cohn		01/12/2012
Yale Sponsored: Anonymous, Danowski, Gardner, Gershon, Hirsh, Rosenberg	Yale	6-8	\$25,000	OSR	04/13/2012	04/13/2012
NIH Medical Research Scholars Program	NIH	UL	\$33,700	NIH on-line		01/17/2012
NIH-NIDDK Medical Student Research Training Fellowship	Yale	UL	\$25,000	OSR	03/12/2012	04/15/2012
American Heart Association	Yale	UL	\$22,000	OSR & American Heart Association	01/09/2012	01/31/2012
American Society of Nephrology	Yale	UL	\$20,800	ASN on-line		10/07/11 (for projects starting between November 1, 2011 and April 30, 2012) 03/3/2012(for projects starting between May 1 and October 31, 2012)
Gates/Cambridge, Fulbright, Luce, NIH-Marshall, Rhodes	International	For further information contact Kate Dailinger of the Office of International Education and Fellowship Programs				
				Deadlines begin in late August		