2010 Year-Long Research Opportunities for UW Medical Students

This is a list of government agencies, foundations and subspecialty scientific societies that offer year-long fellowships for biomedical research (basic, clinical, or translational) in a variety of locations. These one year (or longer) research programs are generally quite competitive. Some programs assign research mentors based on your interests; others require that you find a mentor through your own initiative.

The year-long block to do research is usually taken between second and third or third and fourth years. A few programs are open to students between their first and second year. Programs generally begin in July and continue through the following June, although some flexibility for a slightly later start/finish date may be possible, depending on the program.

Most programs provide stipends in the range of $25-30,000 per annum, plus benefits and, occasionally, housing assistance. Check the websites listed for more information and application procedures.

If you extend your medical education to do a research program, you may choose to remain enrolled or take a leave of absence. Your decision should be based on several factors, including program requirements, financial aid implications, insurance coverage, and credit needs. If you are applying for a program, you should carefully review your options with the Dean of Students office and the financial aid office.

Note that most of these research programs have January 2010 deadlines!

Contact Lynne Cleeland in the Office of Academic Affairs (4119 HSLC), lmcleela@wisc.edu, if you are considering or have applied to a year long program.
Howard Hughes Medical Institute (HHMI) Research Training Fellowships for Medical Students

Application Due: January 11, 2010; late March award notification.

Eligibility: Students in any year

Location: Typically home institution but students may work with a scientist at any academic or nonprofit research institution in the US (excluding NIH in Maryland). Student selects faculty mentor and arranges to work in mentor’s laboratory (see guidelines). Research may be conducted outside US as long as the fellow’s mentor is affiliated with the US fellowship institution, which need not be the student’s medical school.

Websites: http://hhmi.org/grants/individuals/medfellows.html
www.hhmi.org/medfellowships/viewbook
www.hhmi.org/medstudent

Contact: 1-800-424-9924, Email: Melanie Daub. daubm@hhmi.org, FAX: 301-215-8888

The fellowship provides support for one year of full-time research training in fundamental biomedical research (basic, translational or applied biomedical research areas in a wide variety of fields). Fellowship research must be conducted at an academic or nonprofit research institution in the US, excluding the NIH in Bethesda, MD.

These are one-year, with a possibility of a second year extension that supports primarily lab-based, basic science research projects. Fellowship research should probe basic biological processes or disease mechanisms. Examples of eligible field of research include biochemistry, bioinformatics, biomedical engineering, biophysics, biostatistics, cell biology, developmental biology, epidemiology, genetics, immunology, computational biology, microbiology, neuroscience, molecular biology, pharmacology, physiology, structural biology, and virology.

Students may apply during any year of school. 90% of applicants are second or third year students. Applicants may have research experience but it is not required. Students may apply to both the Research Training Fellowships for Medical Students and the HHMI-NIH Research Scholars Program (below) through the same online application system.

70 awards were made in 2009 from 231 applicants.

$27,000 stipend, $5,500 research allowance to the institution for research supplies and travel and a $5,500 fellows' allowance to the institution for health insurance and tuition.

Contact Dr. Herb Chen in the Department of Surgery or SMPH medical student Joel Adler for program application advice.
Howard Hughes Medical Institute (HHMI) National Institutes of Health (NIH) Research Scholars Program (also known as the Cloisters Program)

Application Due: January 10, 2010; April 1 acceptance notification.

Eligibility: Most students participate after second or third year of medical school (after completion of basic science coursework)

Location: Bethesda, Maryland


Contact: 1-800-424-9924, research_scholars@hhmi.org

This is a program jointly supported by the HHMI and the NIH. Research Scholars spend nine months to a year (renewal possible) on the NIH campus, conducting basic, translational or applied biomedical research under the direct mentorship of senior NIH research scientists. Salary of $27,000, with payment of moving expenses, rent, food, health benefits and other living expenses. Basic, translational or applied biomedical research is conducted at the NIH. The lab and project are chosen after arrival at the NIH. Students live in the Cloister, a community on the NIH campus in Bethesda, Maryland. Subsidized housing is available for couples and families. You may apply to this AND other NIH training programs. Prior research experience may be advantageous but is not required.

If you are one of the 42 medical or dental students (from a typical applicant pool of 188) selected to become Research Scholars, you will choose a preceptor from over 1,200 tenured or tenure-track intramural scientists working on more than 2,500 research projects. The NIH provides advisors, mentors, laboratory space, and equipment and supplies for laboratory work. After second or third year of medical or dental school is an ideal time to determine how biomedical research could play a part in your career, before you formulate your plans for residency or postgraduate training.

Howard Hughes Medical Institute – Ivy Foundation Fellowships in Neuro-oncology  NEW!!

Application Due: January 11, 2009

Website: [www.hhmi.org/medfellowships](http://www.hhmi.org/medfellowships).

Eligibility: Applicants must be enrolled in a U.S. medical, dental, or veterinary school and the fellowship research may be conducted at any academic or nonprofit institution in the United States, except the National Institutes of Health. Research may be conducted abroad if the fellow's mentor is affiliated with a U.S. institution.

The Ben and Catherine Ivy Foundation is partnering with the Howard Hughes Medical Institute (HHMI) to offer four research fellowships to medical students to enhance the number of young investigators in the field of neuro-oncology research. The partnership with HHMI will allow the Ivy Foundation to support the development of young physician-scientists in the relevant neurosciences.

“One of the goals of the Ivy Foundation is to increase the number of young physician-scientists in the field of neuro-oncology” states Rob Tufel, Executive Director of the Ben and Catherine Ivy Foundation. “By partnering with such a well-respected organization like HHMI, we can attract top-notch students and introduce them early on in their career to the important and exciting research being conducted in neuro-oncology.”
In 2009, the Ivy Foundation will begin funding up to four fellowships per year for medical students engaged in the program currently known as the HHMI Research Fellowships for Medical Students at U.S. academic medical centers and biomedical research institutions. These fellowships will support students proposing research in the neurosciences, particularly in areas related to neuro-oncology. The recipients of the Fellowships will be known as “HHMI-Ivy Foundation Research Training Fellows”. Fellowships will begin in the summer of 2009.

An annual stipend of $27,000, an annual fellow's allowance of $5,500, and an annual research allowance of $5,500. HHMI-Ivy and HHMI-BWF Fellows will receive the same level of funding, and will have all the obligations and privileges of other fellows participating in the Medical Fellows Program.

**NIH-Clinical Research Training Program (CRTP)**

**Application Due:** January 15, 2010

**Eligibility:** For students who have completed one year of clinical rotations

**Location:** Bethesda, Maryland

**Website:** [http://www.cc.nih.gov/training/crtp/crtp.html](http://www.cc.nih.gov/training/crtp/crtp.html)

The Clinical Research Training Program (CRTP) is a year-long program for 30 medical students (who have completed one year of clinical rotations) on the intramural campus of the NIH. Participants, known as fellows, engage in a mentored clinical or translational research project in an area that matches their personal interests. Research may have some laboratory aspects as well.

An individualized program is developed for fellows, who attend clinics, see patients on the wards, and work with a principal investigator in NIH laboratories on selected clinical research projects. Fellows learn about translational research, attend lectures on clinical research, and participate in an interactive, group learning experience with the members of the class and leading NIH physicians and scientists.

$30,200 stipend, travel ($1400), health insurance, book ($250), computer allowance ($1200), and payment of moving expenses to and from Bethesda, Maryland. Fellows may be eligible to remain at NIH for a second year.

**NIH Year-Off Training Program for Graduate and Medical Students**

The Year-off Training Program for Graduate and Medical Students provides opportunities for students who are enrolled in graduate or medical degree programs to engage in biomedical research at the National Institutes of Health (NIH). Those selected for the program come to the NIH with the understanding that they will return to their degree-granting institution within one year, unless the Director, OITE, has approved an exception for a second year.

Trainees work side-by-side with some of the leading scientists in the world in an environment devoted exclusively to biomedical research. Fellowships are available in the more than 1250 intramural laboratories of the National Institutes of Health (NIH), which are located on the main NIH campus in Bethesda, MD as well as in Baltimore and Frederick, MD; Research Triangle Park, NC; Phoenix, AZ; Detroit, MI; and Hamilton, MT.
To be eligible to apply for this program, candidates must (1) be U.S. citizens or permanent residents, (2) be enrolled in an accredited U.S. university or medical school, and (3) have permission from their institution to interrupt their education.

**Applications Due:** Applications are accepted on an ongoing basis.

**Location:** Fellowships are available in the more than 1250 intramural laboratories of the National Institutes of Health (NIH), which are located on the main NIH campus in Bethesda, MD as well as in Baltimore and Frederick, MD; Research Triangle Park, NC; Phoenix, AZ; Detroit, MI; and Hamilton, MT.

**Website:** [http://www.training.nih.gov/student/Pre-IRTA/irtamanualinterim.asp](http://www.training.nih.gov/student/Pre-IRTA/irtamanualinterim.asp)

Information regarding NIH investigators and their intramural research programs is available at [http://www1.od.nih.gov/oir/sourcebook/sci-prgms/sci-prgms-toc.htm](http://www1.od.nih.gov/oir/sourcebook/sci-prgms/sci-prgms-toc.htm). If you have a particular research interest, you can access abstracts by going to the NIH Annual Reports at [http://intramural.nih.gov/search/index.html](http://intramural.nih.gov/search/index.html) and do a text search on the subjects that are of greatest interest to you.

Stipends range from $26,000-$33,600 depending on amount of schooling.

### NIH-Fogarty Ellison International Clinical Research Training Program

**Application Due:** December 3, 2009

**Eligibility:** Students who have completed basic science coursework.

**Website:** [http://www.aamc.org/students/medstudents/overseasfellowship/](http://www.aamc.org/students/medstudents/overseasfellowship/)

**Email:** fic-fellowship@aamc.org

**Location:** Varies

**Stipends:** 25,000 per year. Additional $4,000 for travel, insurance and educational materials

25-30 Fellowship Opportunities Available.

The National Institutes of Health's (NIH) Fogarty International Center (FIC) with support from The Ellison Medical Foundation, is offering a one year clinical research training experience for graduate level U.S. students in the health professions. This is an opportunity for highly motivated individuals to experience mentored research training at top-ranked NIH-funded research centers in developing countries. Africa, Asia and The Americas are regions of the world that, if accepted, you may find yourself experiencing.

This program is designed primarily for students meeting all of the following qualifications:

- A strong interest in, and potential for, a career in international health activities and/or clinical research.

- Advanced standing in a U.S. medical (M3) or osteopathic school; or enrollment in a doctoral level program at a U.S. school of public health, nursing or dentistry. Applicants must have strong academic records and must be U.S. citizens or permanent U.S. residents. Medical and osteopathic students must have completed their basic science courses and one year of clinical clerkship; public health doctoral students must have completed their coursework and passed their qualifying exams prior to the beginning of the fellowship.
-Support of their home academic institution, including a committed mentor.

Each Fellowship will be for a one year period. The term will begin with an intensive orientation program on the NIH campus in Bethesda, MD in July. This will be followed by approximately 10+ months of intense research training at the foreign site.

Sites: Bangladesh, Botswana, Brazil, Haiti, Chennai, India, China, Vellore- India, Kenya, Mali- West Africa, Lima- Peru - Univ. of WA, Lima- Peru - Johns Hopkins Univ., Durban-South Africa, Pretoria- South Africa, Russia, Tanzania, Thailand, Uganda, Zambia

To learn about the Fogarty International Clinical Research Fellows (FICRF) program and read blogs written by our Scholars, please visit www.fogartyscholars.org.

**Doris Duke Clinical Research Fellowship for Medical Students**

**Application Due:** January 15, 2009 (not posted for 2010)

**Eligibility:** Students who have completed basic science coursework.


**Locations:** The CRF Program is available at the following 12 medical schools:
- Columbia University College of Physicians and Surgeons
- Harvard Medical School
- John Hopkins School of Medicine
- Mount Sinai School of Medicine
- University of California, San Francisco, School of Medicine
- University of Iowa Roy J. and Lucile A. Carver College of Medicine
- University of North Carolina at Chapel Hill School of Medicine
- University of Pennsylvania School of Medicine
- University of Pittsburgh School of Medicine
- University of Texas Southwestern Medical Center at Dallas
- Washington University School of Medicine in St. Louis
- Yale University School of Medicine

The Doris Duke Clinical Research Fellowship (CRF) Program, established in 2000, is designed to encourage medical students to pursue careers in clinical research by giving exceptional students the opportunity to take a year to experience clinical research first hand at a participating Clinical Research Fellowship medical school.

Each participating medical school:

- Provides medical students with a one-year fellowship experience in clinical research that includes both didactic and research components
- Solicits applications from students at any U.S. medical school
- Matches students to outstanding clinical research mentors
- Offers fellowships to at least 5 students per year

A minimum of 60 fellowships will be offered across the 12 participating CRF schools for the 2009-2010 fellowship year which begins on July 1, 2009

Students matriculated at any U.S. medical school who are in good academic standing and have completed two or more years of medical school prior to the start of the fellowship are eligible to apply to any of the participating schools.
Stipend: $27,000, health insurance, and research/training funds.

**Sarnoff Fellowship Program (Cardiovascular Research)**

**Application Due:** January 7, 2010  
**Website:** [http://www.SarnoffEndowment.org](http://www.SarnoffEndowment.org)  
**Location:** Open

The Sarnoff Fellowship Program is designed to give medical students the opportunity to spend a year conducting intensive work in a cardiovascular research laboratory. Fellows generally have completed their second or third year of medical school. Up to 18 Fellows are chosen each year by the Endowment's Scientific Board on the basis of a national competition. Although applicants may have prior research experience, applications are also encouraged from students without extensive prior research experience.

All applicants must select a member of the medical school faculty to act as a Sponsor. In addition to providing a letter of recommendation, the Sponsor is expected to assist in preparing the application and, in particular, to examine and provide feedback on the applicant's essay. If the applicant is awarded a Fellowship, the Sponsor will act in conjunction with a member of the Endowment's Scientific Board to provide advice on selecting a Preceptor to supervise the Fellow's research during the Fellowship year. If the applicant's Sponsor is not involved in the cardiovascular sciences, the applicant should discuss his or her application with a faculty member who works in this area. For applicants wishing advice in the selection of a Sponsor, a list of potential sponsors from each institution is available from the Sarnoff Endowment.

Stipend of $27,500; Allowance up to $7,000 for travel to select a Preceptor and Fellowship laboratory and for moving expenses, health insurance and computer equipment.

1-888-4SARNOF  
703-759-7600  
dboyd@SarnoffFoundation.org  
info@sarnofffoundation.org  
Dana Boyd, Executive Director  
Sarnoff Cardiovascular Research Foundation  
731 Walker Road, Suite G-2  
Great Falls, VA 22066

**American Society of Nephrology Student Scholar Grant**

**Application Due:**  
- Friday, October 2, 2009 (for funding to start between January 1 and May 31 of next calendar year)*  
- Friday, March 5, 2010 (for funding to start between June 1 and November 30 of same calendar year)*

**Website:** [http://www.asn-online.org/grants_and_funding/SSG-Grant.aspx](http://www.asn-online.org/grants_and_funding/SSG-Grant.aspx)  
**Location:** Open
Enables selected medical students with an interest in either basic or clinical research to spend from one to three consecutive summer or semester sessions engaged in full-time research. The mentor must be an ASN member and must submit a program of study for the applicant. This grant allows for up to three award periods per awardee, contingent upon demonstration of reasonable progress after each award period. An award period can be either a summer, semester, academic year, or any other 10-52 period of continuous full-time research.

Stipend of $400/week, Supplies-$100/week, Travel-up to $1500 to attend the ASN Meeting.

For more information about the Student Scholar Grant, please contact Holly Osborne by email at hosborne@asn-online.org.

Grant applications should be mailed to:
Holly Osborne
American Society of Nephrology
1725 I Street, NW
Suite 510
Washington, DC 20006

American Heart Association: Greater Midwest Affiliate Research Program

Application Due: Application Deadline: Jan. 28, 2010 (11:59 p.m. CT) Award Activation: July 1, 2010

Objectives
The purpose of this undergraduate research training program is to encourage promising students, including women and members of minority groups underrepresented in the sciences, from all disciplines to consider research careers while supporting the highest quality scientific investigation broadly related to cardiovascular disease and stroke.

Location: Awards are limited to non-profit institutions such as medical, osteopathic and dental schools, veterinary schools, schools of public health, pharmacy schools, nursing schools, universities and colleges, public and voluntary hospitals and other non-profit institutions that can demonstrate the ability to conduct the proposed research.

Award
Stipend: At least $4,000 for the summer research experience.

Research committees may decide whether to disburse payments to the institution in multiple payments during the course of the fellowship, or as a single lump sum.

Duration
Minimum of 10 weeks.

Website: http://www.americanheart.org/presenter.jhtml?identifier=3059895

Contact Information
(214) 360-6104, -6106, -6113

E-mail: affil@heart.org
Fax: (214) 360-6124

AMA Foundation Research Seed Grant Program
Application Due: December 11, 2009

Location: Open


Program description
An increasing number of young physician scientists are experiencing difficulty finding the resources and support to do research. Consequently, fewer physicians are choosing careers in research which is a terrible loss to medicine.

To address this trend, the AMA Foundation established the Seed Grant Research Program to encourage medical students, physician residents and fellows to enter the research field. The program provides $2,500-$5,000 grants to help them conduct small basic science, applied, or clinical research projects. These funds will round out new project budgets, rather than sustain current initiatives.

2009 program
In March 2009, one-year grants will be awarded in the following research categories:

Cardiovascular/pulmonary diseases
HIV/AIDS
Leukemia
Neoplastic diseases
Secondhand smoke*

*Secondhand smoke grants are supported by the Flight Attendant Medical Research Institute (FAMRI).

If you have questions, please e-mail seedgrants@ama-assn.org or call (312) 464-4200.

To apply for the 2009 Program, download an application (Word, 133KB). The application deadline is Dec. 12, 2008.

Centers for Disease Control Foundation
O.C. Hubert Student Fellowship

Fellowship Overview

With the world rapidly becoming a global village, CDC scientists are addressing public health issues in a global context. Only by working closely with other nations and international organizations can CDC be truly effective in achieving its mission of promoting health and quality of life and preventing disease, injury and disability.

The O.C. Hubert Student Fellowship in International Health, endowed by the O.C. Hubert Charitable Trust, is designed to encourage students to think of public health in a global context.

Established in 1999, the fellowship provides an opportunity for third- and fourth-year medical and veterinary students to gain public health experience in an international setting. Hubert fellows spend six to twelve weeks in a developing country working on a priority health problem in conjunction with CDC staff. Through these experiences, students establish relationships with, and receive training from, recognized experts from CDC and other national and international health agencies. Examples of students’ past experiences include:

- Health outcome evaluation of various home drinking water treatment and storage methods in Guatemala
• Review of antiretroviral therapy in private practice, Kenya
• Study of the epidemiology of Lassa Fever in rural Guinea, West Africa
• Development of surveillance systems for surgical site infections, antimicrobial use and antimicrobial resistance in a tertiary surgical center in Hanoi, Vietnam

Each year, a limited number of fellows are selected to participate in the program and receive a stipend to cover travel costs. Fellowship opportunities vary each year.

Eligibility

All fellowship applicants must meet the following general program eligibility requirements:

• You must be attending an LCME- or AOA-accredited medical school or an AVMA-accredited veterinary school
• You must be a rising or current third- or fourth-year student
• You must be either a U.S. citizen or valid green card holder
• You must submit a complete application by the application deadline listed below

In addition, some opportunities list specific requirements that the applicant must meet in order to be eligible (e.g. foreign language, year in school, etc.). It is the applicant’s responsibility to ensure that he or she is qualified for the opportunities for which he or she wishes to be considered.

Application

The application period for the 2009 – 2010 fellowship class is closed. Check back in February 2010 to apply for the 2010-2011 fellowship class. Application information is available online:
http://www.cdc.gov/HubertFellowship/AppInfo.html

For more information about the O.C. Hubert Student Fellowship, please e-mail hubertfellowship@cdcfoundation.org.

Centers for Disease Control and Infection Research and Fellowship Programs:

For more information go to http://www.cdc.gov/phtrain/applied_lab_research.html