

IMIG
INTERNAL MEDICINE INTEREST GROUP

December 3, 2009

For how long will you be conducting research?

Summer (Between 1st and 2nd Year)

“Pull-out Year” (After 2nd or 3rd Year)

4th year Rotation

What kind of research do you want to do?

What kind of research have you already done?

More of the same?

Try something different?

Basic science (lab-based)

Translational

Clinical

Epidemiological

Health Outcomes

Health Services

Global Health

What area of research?

Must be in the same area as career plans

Not very specific, good research experience most important at this stage

What kind of research group do I want to join?

Small, with the potential for significant interaction with the mentor

Medium

Large, with lots of other junior investigators (e.g. other students, post-docs, fellows) and lots of other projects

Opportunity for senior mentor/junior mentor pairing

Opportunity to get involved with many projects

Opportunity to be focused on one main project, my project

Opportunity to start a new project or new research area

Opportunity to join ongoing project(s)

Additional Issues

Will I get to go to meetings and present my work?

Will I be a co-author on a paper?

Will I have the opportunity to be a first author on a paper?

Will the IRB protocol be in place before I start?

Will the IACUC protocol be in place before I start?

How Do I Find a Mentor?

Network

Ask other students that have conducted research

Ask other students that have been in the same research program

Ask faculty members for recommendations

Ask administrators

PubMed

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed>

NIH RePORTER grants database

<http://projectreporter.nih.gov/reporter.cfm>

Jaime S. Rubin, Ph.D.

Director for Research Development

Dept. of Medicine

jsr9@columbia.edu

342-3184

Associate Program Director

Doris Duke Clinical Research Fellowship Program

Funding

P&S Office of Student Affairs

<http://juno.cumc.columbia.edu/ps/handbook/node/12>

Includes link to summer P&S NIH T35 application

External Funding Opportunities Database - SPIN

http://www.infoed.org/new_spin/spinmain.asp

External Applications

Alpha Omega Alpha Honor Medical Society

Carolyn L. Kuckein Student Research Fellowships

http://alphaomegalpha.org/student_research.html

12/31/2009

Deadline Note:

Proposals must be submitted to the councilor before December 31, 2009. The final application to the national office must be postmarked no later than January 31, 2010.

Synopsis:

Fellowships will be awarded to students in their first, second, or third year of medical school for research in clinical investigation, basic research, epidemiology, and social sciences/health services research. Students from any school with an active Alpha Omega Alpha chapter are eligible, but each school may nominate only one candidate.

Mayo College of Education/Mayo Clinic

Summer Research Fellowship in Patient-Oriented Research

<http://www.mayo.edu/msgme/diversity-srf.html>

4/1/2010; rolling admission process-review of applications begin on 12/1/09

Synopsis:

Through grants from the NIH/National Heart, Lung and Blood Institute and the Mayo Clinic, a comprehensive training program for patient-oriented research has been created. The goal of the program is to prepare minority students for careers in clinical care and patient-oriented research. Students are matched with Mayo Clinic investigators based on their interests and spend at least eight weeks conducting research, usually in the summer between the first and second years of medical school. In addition to their research project, students attend a series of seminars and presentations that introduce them to clinical research methods and the Mayo Clinic Center for Translational Science Activities.

New York Academy of Medicine

David E. Rogers Fellowship Program

<http://www.nyam.org/grants/rogers.shtml>

2/2/2010

Synopsis:

The goal of this program is to enrich the educational experiences of medical and dental students through projects that serve human needs, particularly the needs of underserved or disadvantaged patients or populations. The Fellowship might include clinical investigation, health policy analysis, activities linking biomedicine, the social infrastructure and human need, or community activities. Funding will be provided for research projects lasting 10 – 12 weeks in the summer between the applicant's first and second years of medical/dental school. Up to ten grants will be awarded with a stipend of \$3,500 each.

National Institutes of Health/DHHS

Summer Research Fellowship Program

<http://www.training.nih.gov/student/sip/>

3/1/2010

Synopsis:

The sponsor offers opportunities for first, second, and third year medical and dental students who are interested in pursuing careers in biomedical research. Applicants must be U.S. citizens or permanent residents. The minimum time commitment is eight weeks.

National Institutes of Health/DHHS

Clinical/Research Electives

http://www.cc.nih.gov/training/students/clinical_electives.html

Synopsis:

The National Institutes of Health (NIH) offers four- to 12-week clinical elective rotations to senior medical or dental students in a multitude of specialty fields and biomedical disciplines at the NIH Clinical Center, the world's largest hospital devoted to human subjects research. Each rotation provides highly qualified students with the opportunity to have direct experience in the care of patients enrolled in investigational protocols under the mentorship of world renowned clinician-scientists. Participants also learn about the design and conduct of clinical trials and fundamental principles of translational medicine while evaluating or treating patients in clinic or on the wards.

Area-Specific

American Academy of Allergy, Asthma, & Immunology

Summer Clinical Research Fellowship Medical Student Grants

Summer Research Fellowship Medical Student Grants

http://www.aaaai.org/members/grants_awards/

Synopsis:

The sponsor provides support for medical students who wish to conduct research in allergy and immunology during their summer recess. Eligible applicants must be full time medical students residing in the U.S. or Canada, and must have successfully completed at least eight months of medical school.

American College of Rheumatology

ACR REF/Abbott Medical Student Research Preceptorship

<http://www.rheumatology.org/ref/awards/summerresearch.asp>

5/1/2010

SYNOPSIS:

The purpose of this award is to introduce students to the specialty of rheumatology by supporting a full-time research experience.

American Federation for Aging Research

Medical Student Training in Aging Research (MSTAR) Program

<http://www.afar.org/medstu.html>

2/5/2010

Synopsis:

The sponsor provides medical students, early in their training, with an enriching experience in aging-related research and geriatrics, under the mentorship of top experts in the field. Students participate in an eight- to twelve-week structured research, clinical, and didactic program in geriatrics, appropriate to their level of training and interests. Students may train at a National Training Center supported by the National Institute on Aging or, for a limited number of medical schools, at their own institution.

American Heart Association (Council Awards)

Student Scholarships in Cardiovascular Disease and Stroke

<http://www.americanheart.org/presenter.jhtml?identifier=3018378>

3/5/10

Synopsis:

The scientific councils of the American Heart Association/American Stroke Association want to stimulate interest, knowledge and investigative work in students in medicine, nursing, public health, nutrition and other allied health disciplines to conduct research projects related to cardiovascular disease, stroke and basic sciences early during pre-doctoral training. AHA scholarships provide valuable stipends for students during the research project. The stipends may be used for student expenses, lab fees, or other costs incurred by the student during the project. Eligible applicants include students in medical schools or in master's or equivalent programs in an accredited school in the United States where research training in cardiovascular disease and stroke is available. The award is for students to work on a project or projects either in a block of several months or over a longer period. The minimum full-time commitment is two months as most projects take place over the summer months. As many as five students from a single school within an institution may be considered for the scholarship. However, only one award will be made to a school each year. The entire amount [\$2000] must be used as a stipend for the selected student.

American Heart Association (Council Awards)

Student Scholarships in Cerebrovascular Disease

<http://www.americanheart.org/presenter.jhtml?identifier=3018378>

3/5/10

Synopsis:

The scientific councils of the American Heart Association/American Stroke Association want to stimulate interest, knowledge and investigative work in students in medicine, nursing, public health, nutrition and other allied health disciplines to conduct research projects related to cardiovascular disease, stroke and basic sciences early during pre-doctoral training. AHA scholarships provide valuable stipends for students during the research project. The stipends may be used for student expenses, lab fees, or other costs incurred by the student during the project. Eligible applicants include students in medical schools or in master's or equivalent programs in an accredited school in the United States where research training in cardiovascular disease and stroke is available. The award is for students to work on a project or projects either in a block of several months or over a longer period. The minimum full-time commitment is two months as most projects take place over the summer months. As many as five students from a single school within an institution may be considered for the scholarship. However, only one award will be made to a school each year. The entire amount [\$2000] must be used as a stipend for the selected student.

American Heart Association (Founders Affiliate)

Health Sciences Student Research Grant

<http://www.americanheart.org/presenter.jhtml?identifier=3015642>

Applications are not being accepted at this time.

Synopsis:

The sponsor provides funding to encourage advanced health science students to consider a career in cardiovascular research.

American Medical Association Foundation

Seed Grant Research Program

<http://www.ama-assn.org/ama/pub/about-ama/ama-foundation/our-programs/medical-education/seed-grant-research.shtml>

12/11/2009

Synopsis:

Support is provided to medical students, physician residents and fellows to conduct small research projects. Awards will be \$2,500 and will support research in the following areas: cardiovascular/pulmonary diseases; HIV/AIDS; leukemia; neoplastic diseases; and secondhand smoke.

American Society of Hematology

Minority Medical Student Award Program (MMSAP)

<http://www.hematology.org/Awards/MMSAP/2624.aspx>

1/29/10 (Research Mentor match); 3/4/10 (Application)

Synopsis:

This program is structured around an 8- to 12-week research experience for students from the United States and Canada in their early years of medical school. Each year, up to 10 minority medical students enrolled in DO, MD, or MD/PhD programs are selected to participate and each is paired with a mentor who focuses on the research experience and a mentor who serves as a career development advisor. The students remain involved with ASH throughout medical school and residency to keep them engaged in the study of hematology and to help them attain valuable knowledge in the field. In addition, students who participate in this program may apply for one additional research experience the following year.

American Society of Nephrology

Student Scholar Grant

http://www.asn-online.org/grants_and_funding/SSG-Grant.aspx

3/5/2010 (to start June 1-November 30)

Synopsis:

The sponsor provides support to enable selected medical students with an interest in either basic or clinical research to spend from ten to fifty-two weeks engaged in continuous full-time research.

American Vascular Association/Society for Vascular Surgery

Lifeline Student Research Fellowship

http://www.vascularweb.org/CONTRIBUTION_PAGES/Awards/AVA_Lifeline_Awards/Student_Fellowship.html

3/17/2010

Synopsis:

The sponsor provides support to stimulate laboratory and clinical vascular research by undergraduate college students and medical school students registered at North American universities. Awards of \$3,000 are available for a period of up to twelve months.

Arthritis Foundation

New York Chapter—Summer Student Fellowship

<http://www.arthritis.org/chapters/new-york/research.php>

4/30/10

Synopsis:

Support (\$2,000) is provided for research in the broad areas of rheumatic diseases and musculoskeletal conditions.

Center for Science in the Public Interest

Public Interest Internship Program

<http://www.cspinet.org/about/jobs/200801042.html>

Applications for most summer 2010 internships will be considered in February/March

Synopsis:

The Center for Science in the Public Interest is a national consumer organization that focuses on health and nutrition issues. CSPI offers internships for a small number of qualified students in undergraduate, graduate, law, and medical schools each summer and during the school year. Generally, internships are for ten weeks and the specific dates of an internship are flexible.

Crohn's and Colitis Foundation of America

Student Research Fellowship Awards

<http://www.ccfa.org/ccfaprof/srfa/index.html>

3/15/2010

Synopsis:

This program offers financial support (\$2,500) for students to spend time performing research on topics relevant to inflammatory bowel disease. Up to 16 Student Research Fellowship Awards will be made.

Endocrine Society

Summer Research Fellowships

http://www.endo-society.org/awards/research_fellowship/summer.cfm

2/12/2010

Synopsis:

The sponsor offers Summer Research Fellowships to encourage promising undergraduate students, medical students and students entering graduate school to pursue careers in endocrinology. The Society provides each student recipient with a stipend to participate in research projects under the guidance of a Society member for ten to twelve weeks during the summer.

Foundation for Digestive Health and Nutrition

AGA Student Research Fellowship Awards

<http://www.fdn.org/wmspage.cfm?parm1=115>

3/12/2010

Synopsis:

The sponsor provides support for students to spend time performing research in the areas of digestive diseases or nutrition for a minimum of ten weeks. Eligible applicants may be high school, undergraduate, medical, or graduate students (not yet engaged in thesis research) at accredited North American institutions. Awards ranging from \$2,000 to \$3,000 each will be made.

Infectious Diseases Society of America

Medical Scholars Program

<http://www.idsociety.org/Content.aspx?id=1852>

3/1/2010

Synopsis:

The sponsor provides support for summer scholarships for medical students. Scholarships will be awarded to medical students with mentorship by an IDSA member or fellow.

Joslin Diabetes Center

Summer Research Student Internship Program

http://www.joslinresearch.org/HomeDir/summer_research_program.asp

1/20/2010

Synopsis:

The Joslin Summer Research Student Internship Program provides 8-12 weeks of practical exposure to diabetes-related biomedical research, ranging from clinically focused to basic science investigation. In addition to direct laboratory experience and interactions with Joslin investigators, students participate in didactic sessions related to diabetes pathophysiology and treatment.

Lupus Foundation of America, Inc.

Gina Finzi Memorial Student Summer Fellowships

http://www.lupus.org/webmodules/webarticlesnet/templates/new_researchlfa.aspx?articleid=145&zoneid=31
3/15/2010

Synopsis:

The purpose of this program is to foster an interest, among students, in the areas of basic, clinical, translational, epidemiological, or behavioral research relevant to lupus. Eligible applicants are undergraduate, graduate, and medical students; preference is given to those with college degrees.

Memorial Sloan-Kettering Cancer Center

Summer Student Fellowship Program

<http://www.mskcc.org/mskcc/html/2810.cfm>

1/22/2010

Synopsis:

The Medical Student Summer Fellowship Program is an eight-week research program that offers students who have completed their first or second year of medical school the opportunity to conduct basic laboratory or clinical research mentored by Memorial Sloan-Kettering Cancer Center faculty.

National Institute of Diabetes and Digestive and Kidney Diseases/NIH/DHHS

Medical Student Research Program in Diabetes

<http://medicalstudentdiabetesresearch.org/>

1/25/2010

Synopsis:

The goal of this Program is to encourage medical students to consider research in diabetes and its complications as a career and to educate students about diabetes. Support is provided to allow medical students to spend 9-12 weeks conducting research under the direction of an established scientist in the areas of diabetes, hormone action, physiology, islet cell biology or obesity at an institution with one of 16 NIDDK-funded Diabetes and Endocrinology Research Centers (DERC) or Diabetes Research and Training Centers (DRTC) during the summer between the first and second year or second and third year of medical school. Prior research experience is not required. In addition to working on his/her own research project, each student will attend a web-cast series of seminars addressing various clinical and research aspects of diabetes mellitus and its complications. All students will present a poster in Nashville, TN on August 4-5, 2010 (travel funds provided). Commencement dates and conclusion for the program are reasonably flexible.

National Institute of Environmental Health Sciences/ NIH/DHHS

Summers of Discovery

<http://www.niehs.nih.gov/careers/research/summers/index.cfm>

3/1/2010

Synopsis:

The Summers of Discovery program at the NIEHS Division of Intramural Research provides 8-week internships between May and September. Participants are selected by scientific mentors and the research mentoring experience is supplemented by a series of seminars and workshops that provide participants with an overview of environmental health sciences.

New York Academy of Medicine

Glorney-Raisbeck Medical Student Grants in Cardiovascular Research

<http://www.nyam.org/grants/raisbeckstudent.shtml>

2/2/2010

Synopsis:

Up to four grants will be awarded to students pursuing research projects investigating the causes, prevention, and treatment of Cardiovascular Diseases. Preference will be given to M.D. candidates attending medical school or conducting research in the greater New York area (New York City, Long Island, Westchester County, or New Jersey). In some cases projects outside the greater New York area will be considered, however, a mentor must be identified within the greater New York area. Funding, which includes a \$3,500 stipend plus \$500 for lab support, will be provided for research projects lasting between ten (10) and twelve (12) weeks in the summer of the application year, preferably between the first and second years of medical school. However, medical students in any year of their education may apply. Students are also encouraged to pursue research projects that extend beyond the startup period.

Roswell Park Cancer Institute (Buffalo, NY)

Summer Oncology Research Program

http://www.roswellpark.org/Education/Summer_Programs/MedicalStudentProgram

2/16/2010

Synopsis:

The sponsor offers summer research experiences to students in the health professions (medicine, dentistry, osteopathy) to engage in clinical and/or basic scientific research for an eight week period. Approximately 20 Fellowships will be awarded.

Year Long “Pull-Out” Programs

Duke (Doris) Charitable Foundation

Clinical Research Fellowship Program for Medical Students

Dr. Jaime S. Rubin, Director of Research Development

212-342-3184

jsr9@columbia.edu

<http://dorisduke.cumc.columbia.edu/>

<http://www.ddcf.org/page.asp?pagelid=292>

1/6/2010

Synopsis:

The sponsor provides support for medical students to pursue a career in clinical research by allowing them to take a year off from their formal schooling and experience clinical research first hand at an academic medical center which offers a wide range of clinical research opportunities. Students should apply in their second or third year of a U.S. medical school for a start date of July 2010.

American Diabetes Association

Clinical Scholars Award

http://professional.diabetes.org/Diabetes_Research.aspx?typ=18&cid=64376

1/15/2010

Synopsis:

These awards provide one year of research support to students interested in clinical and basic science diabetes research. Those working on an MD, PharmD, DPM or DO are eligible. Awards are \$30,000 a year for one year. Applicants may request up to \$20,000 for the student's stipend and up to \$10,000 for lab expenses.

American Society of Nephrology

Student Scholar Grant

http://www.asn-online.org/grants_and_funding/SSG-Grant.aspx

3/5/2010 (to start June 1-November 30)

Synopsis:

The sponsor provides support to enable selected medical students with an interest in either basic or clinical research to spend from ten to fifty-two weeks engaged in continuous full-time research.

CDC Foundation

CDC Experience—Applied Epidemiology Fellowship

<http://www.cdcfoundation.org/fellowships/cdcexperience/index.aspx>

12/4/2009

Synopsis:

The fellowship will provide medical students with an applied hands-on training experience in epidemiology and public health. Ten competitively selected third- and fourth-year medical students from around the country will spend up to one full year at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia. While at CDC, with the guidance of experienced CDC epidemiologists, they carry out epidemiologic analyses in areas such as birth defects, injuries, chronic diseases, infectious diseases, environmental health, reproductive health and minority health.

Hughes (Howard) Medical Institute

HHMI-NIH Research Scholars Program (Cloister Program)

<http://www.hhmi.org/research/cloister/>

1/10/2010

Synopsis:

The sponsor provides support for basic, translational or applied research in any field related to biomedical science, including cell biology, genetics, immunology, neuroscience, structural biology, and epidemiology and biostatistics.

Hughes (Howard) Medical Institute

Research Training Fellowships for Medical Students

<http://www.hhmi.org/grants/individuals/medfellows.html>

1/11/2010

Synopsis:

The sponsor provides support for a year of full-time biomedical research training and continued support for a second year of research training or completion of medical studies.

National Institutes of Health/ Fogarty Clinical Research Training Scholars Program

Overseas Fellowships in Global Health and Clinical Research

http://www.fic.nih.gov/programs/training_grants/nih_fogarty.htm

<http://www.fogartyscholars.org/scholars/international-clinical-research-scholars-program>

12/3/2009

Synopsis:

The sponsor 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.

National Institutes of Health/ National Institute of Environmental Health Sciences

Fellowships in Environmental Medicine for Medical Students

<http://www.niehs.nih.gov/careers/research/med-students/index.cfm>

Synopsis:

This is a one-year program involving laboratory, epidemiological, or clinical research related to environmental health issues. Students work under the direction of a principal investigator at the NIEHS Division of Intramural Research. Most projects take place at the NIEHS central campus at Research Triangle Park, NC while some investigators are located at the NIH central campus in Bethesda, MD. Students are provided with a stipend and the preceptor receives a lab budget.

National Institutes of Health

Clinical Research Training Program (CRTP)

<http://www.cc.nih.gov/training/crtp/crtp.html>

1/15/2010

Synopsis:

The Program is a 12-month program designed to attract the most creative, research-oriented medical and dental students to the intramural campus of the National Institutes of Health (NIH) in Bethesda, MD. Participants, known as Fellows, spend a year engaged in a mentored clinical or translational research project in an area that matches their personal interests and goals. Up to 30 fellows will be selected.

Pharmaceutical Research & Manufacturers of America (PhRMA) Foundation

Paul Calabresi Medical Student Research Fellowship

http://www.phrmafoundation.org/index.php?option=com_award&task=sdetail&id=20

2/1/2010

Synopsis:

The sponsor provides support to medical or dental students who have substantial interests in research and teaching careers in pharmacology and clinical pharmacology, and who are willing to spend full-time in a specific research effort within a pharmacology or clinical pharmacology unit. The student may undertake this investigative effort at his own school or at another institution. Fellowships are available for a minimum period of six months or any period of time up to twenty-four months.

Sarnoff (Stanley J.) Endowment for Cardiovascular Science

Research Training for Medical Students

<http://www.sarnofffoundation.org/program/information.cfm>

1/7/2010

Synopsis:

The sponsor provides support for twelve consecutive months of research in the cardiovascular sciences at an institution located within the United States.