

## Research Funding Options

### Summer and Year-Out Programs

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#### SUMMER/SHORT-TERM PROGRAMS

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**Important Note:** If you wish to fulfill your **III requirement** through one of these programs/fellowships, including those offered by outside agencies (which would be programs/projects **other than Selective 1 – MSRTP**), you must submit the **III Selective 1 Proposal** to the [UWSOM Curriculum Office](#) by March 31 of your first year. For more information, please contact the UWSOM Curriculum Office at: [somcurr@uw.edu](mailto:somcurr@uw.edu).

#### Programs through UW

**Biomedical Graduate Education Programs:** At this site you can find a wide variety of research opportunities, both within specific School of Medicine departments, as well as specific biomedical research programs.

**Developmental Disabilities:** Funding is available to support medical research or medical training projects focused upon improvement of services to persons with developmental disabilities. Five (5) projects may be funded each year and students receive a \$5,000 student stipend, with an additional \$5,000 to help the mentor support the research project expenses. The student is expected to work full-time on the project over a 10-week period during the summer between her/his first and second year of medical school. If you have questions about this program, contact the [Curriculum Office](#).

**Injury Research Internship Program (INSIGHT):** INSIGHT, run by the Harborview Injury Prevention & Research Center, is an intensive, eight-week summer internship for undergraduate and graduate students. INSIGHT provides research experience and mentorship for undergraduate, graduate and first year medical students who are interested in injury research. Participants are matched to research projects and partnered with University of Washington Medical School faculty and work alongside peers and health professionals from across the country. Students must be able to commit to the entire period—June 12-August 4, 2017—in order to participate. Program components include: rigorous independent research; clinical shadowing experiences of physicians at UWMC and HMC; tours of various sites at Harborview, including the King County Medical Examiner’s Office; a competitive research poster symposium on final day of the program; and a stipend of \$4,000.

The [ITHS \(Institute of Translational Health Sciences\) Regional Resource Directory](#) connects researchers with tools, technologies, laboratories, and services offered by institutions and organizations throughout the five-state WWAMI region. Many of the resources contained in this directory provide fellowships, clinical, and translational research programs, etc.

**Medical Student Training in Aging Research (MSTAR) Program:** The MSTAR Program provides medical students with an enriching experience in aging-related research and geriatrics, with the mentorship of top experts in the field. Positive experiences in the MSTAR program have led many physicians-in-training to pursue academic careers in aging, ranging from basic science to clinical research to health services research. Research projects are offered in basic, translational, clinical, or health services research relevant to older people. Most scholars will do their training and research during the summer months. They will be invited to present a poster at the Annual Meeting of the American Geriatrics Society in Orlando, FL, in May 2018. The stipend level is approximately \$1,980 per month; actual amounts will vary based on the specific appointment period of individual students. The length of research time is determined by the student in consultation with the research mentor, but a minimum of 8 weeks of time is required and up to 12 weeks of funding is available. Applications are available [online](#). Contact Dr. May Reed with any questions at [mjr@uw.edu](mailto:mjr@uw.edu) or 206.897.5331.

**Rheumatology Summer Research Program**: The NIH-supported Rheumatology T32 training program has an exciting opportunity for UW medical students to participate in a summer research program. The summer elective offers experience in laboratory-based or clinical and health services research relevant to the field of rheumatology. [View a full list of potential mentors](#). This is a full-time, eight week paid summer elective program. To enhance the experience, students will have the opportunity to participate in conferences and seminars of relevance. They will also have an opportunity to present their work at a local and/or national meeting at the end of the summer. Students interested in pursuing this opportunity should send their CV to Jessica Bertram, [soderljm@uw.edu](mailto:soderljm@uw.edu), by February 28, 2017. A \$4000 stipend is awarded.

### ***Programs and Funding Sources outside UW***

**Alpha Omega Alpha (AOA)—Carolyn L. Kuckein Student Research Fellowship**: This opportunity provides research support for a continual period of a minimum of 8 to 10 weeks, 30 hours or more per week, or an average of 4 hours per week for 12 months over 1 to 2 years, for clinical investigation, basic laboratory research, epidemiology, social science/health services research, leadership, or professionalism. Funds from the fellowship are expected to be the major source of support for the student. The award includes \$5,000: one-half paid on announcement of the award, and one-half on receipt and approval by AOA of a final report of the research. Up to \$1,000 can be reimbursed for travel to present Fellowship research results at a national meeting within one year of distribution of the final award check. First-, second-, and third-year medical students from schools with active AOA chapters, or associations, are eligible. Proposals must be submitted to the Councilor before December 31, 2016.

**American Academy of Child and Adolescent Psychiatry (AACAP)—Summer Medical Student Fellowship in Child and Adolescent Psychiatry**: This fellowship is supported by the Campaign for America's Kids (CAK). The AACAP Summer Medical Student Fellowships offer a chance for medical students to explore a career in child and adolescent psychiatry, gain valuable work experience, and meet leaders in the child and adolescent psychiatry field. The fellowship opportunity provides award recipients up to \$3,500 for 12 weeks of clinical or research training under a child and adolescent psychiatrist mentor. It also provides coverage for required attendance at AACAP's 64th Annual Meeting in Washington, DC on October 23 - October 28, 2017 to present their research in a new research poster session. (Complimentary registration, four-paid nights in the hotel, and travel reimbursement for the Annual Meeting are included in addition to the fellowship stipend.)

**American Academy of Child and Adolescent Psychiatry (AACAP)—Jeanne Spurlock Research Fellowship in Substance Abuse and Addiction for Minority Medical Students**: The AACAP Jeanne Spurlock Research Fellowship in Substance Abuse and Addiction offers a unique opportunity for minority medical students, or students whose project will focus on minorities, to explore a research career in substance abuse in relation to child and adolescent psychiatry, gain valuable work experience, and meet leaders in the child and adolescent psychiatry field. The fellowship opportunity provides award recipients up to \$4,000 for 12 weeks of summer research under a child and adolescent psychiatrist researcher/mentor. It also provides coverage for required attendance to the AACAP 64th Annual Meeting in Washington, DC on October 23 - 28, 2017 to present their research in a new research poster session. (Complimentary registration, four-paid nights in the hotel, and travel reimbursement for the Annual Meeting are included in addition to the fellowship stipend.)

**American Academy of Neurology (AAN)—Medical Student Summer Research Scholarship**: The scholarship program offers members of the Student Interest Group in Neurology (SIGN) a summer stipend of \$3,000 to conduct a project in either an institutional, clinical, or laboratory setting where there are ongoing programs of research, service or training, or a private practice. Only applicants from schools with established SIGN chapters are eligible to apply. (*UW does have an established chapter.*) The AAN will award up to 20 scholarships to medical students with limited research experience relevant to clinical or neuroscience fields who have a supporting preceptor and a project with clearly defined goals. Note: The program is not intended for medical students with a Master Degree or PhD. Therefore these students should not apply. The project is to be conducted through a U.S. or Canadian institution of the student's choice and jointly designed by the student and sponsoring institution.

**[American Association of Neurological Surgeons \(AANS\) and the Neurosurgery Research and Education Foundation](#)**

**[\(NREF\)—Medical Student Summer Research Fellowship \(MSSRF\)](#)**: The Neurosurgery Research & Education Foundation (NREF) offers the Medical Student Summer Research Fellowship (MSSRF) program. Up to 20 fellowships in the amount of \$2,500 will be awarded each year to medical students in the United States or Canada who have completed one or two years of medical school, and wish to spend a summer working in a neurosurgical laboratory, mentored by a neurosurgical investigator sponsor who is a member of the American Association of Neurological Surgeons (AANS).

**[American College of Radiology—Radiology Summer Internship Program](#)**: First-year medical students interested in exploring radiology—particularly women and minorities—may apply for a summer internship, sponsored by Nth Dimensions and the American College of Radiology (ACR). During this eight-week summer internship, medical students work side by side with experienced radiologists in academic or private practices, gaining first-hand clinical and research experience. As part of the program, medical students will prepare and defend poster presentations at the National Medical Association (NMA) annual convention and attend the ACR 2018 annual meeting. stipend will be defined at the discretion of the program staff.

**[American College of Rheumatology's \(ACR\) Rheumatology Research Foundation—Medical and Graduate Student](#)**

**[Preceptorship](#)**: A full-time clinical or research mentorship with an established rheumatology professional; students can choose a four- or eight-week clinical preceptorship or an eight-week research preceptorship. The purpose of this preceptorship is to encourage medical and graduate students to consider a career in rheumatology. Award Amount: \$2,000-\$4,000 plus complimentary registration and up to \$1,000 in travel expenses to attend the [ACR/ARHP Annual Meeting](#).

**[American Society of Hematology \(ASH\)—Medical Student and Early Investigator Awards](#)**: ASH offers both short-term and long-term opportunities that allow aspiring hematologists in medical school or residency to conduct hands-on hematology research under supervision and mentorship of several ASH member mentors. Upon completion of a program of your choice, you will have gained valuable research experience and be connected to a network of hematology investigators across the country.

**[Association of Academic Physiatrists \(AAP\)—Rehabilitation Research Experience for Medical Students \(RREMS\)](#)**: This program has been developed for first year medical students with strong research interests. The program provides an exciting and structured research experience while exposing students to some of the most successful and respected faculty mentors in the field of the Physical Medicine and Rehabilitation (PM&R). Applications for site sponsors and medical students must be received at the AAP office by the second week of February (site sponsors) or the third week of March (medical students). Students are responsible for identifying their own mentors from a list of approved sponsor sites listed on the AAP website. The website will be continuously updated as new sponsor sites enroll. Applications will not be accepted unless the sponsor site has been approved prior to the student's application. Each student must commit to a project that will last eight consecutive weeks and begin over the summer and agree to present their findings at the following AAP Annual Meeting held February 11-17, 2018. Each student will receive a \$4,000 stipend for summer research at an approved sponsor site and additional travel and registration expenses to cover travel to the AAP Annual Meeting. This stipend will be released in installments, and students will receive the full amount only when completion of their project is confirmed by their mentor.

**[Children's Hospital Los Angeles—Summer Oncology Fellowship](#)**: This program is intended to provide the highest quality experience for first-year medical school students pursuing interests in oncology research. Medical students beyond their first year in medical school may be considered with prior approval from the Program Director. Faculty mentors are located both at Children's Hospital Los Angeles and at the USC Keck School of Medicine. The Summer Oncology Research Fellowship Program is traditionally awarded to students from universities and medical schools throughout the United States. Prior candidates have been exceptional students. The students are paid a weekly stipend of \$350 for a minimum of six weeks or maximum of ten weeks. A limited amount of funds are available as reimbursement for travel and housing on a case-by-case basis for those students from outside the greater Los Angeles area. While participating in the program, students will be expected to attend a lecture series held at the hospital on aspects of pediatric oncology designed specifically for them and will be encouraged to attend other scientific lectures in their area of research.

**Children's National—Foglia-Hills Summer Fellowship:** The summer fellowship program exposes medical students to the rewards of laboratory research directed toward solving important health problems in children with congenital heart disease. The overall mission of our research laboratory is to maximize intellectual development and minimize neurological injury associated with congenital heart anomalies and their treatment using clinically-relevant experimental models of injury. The program is intended to provide the highest quality experience for medical school students with a strong interest in pursuing careers as physician-scientists focused on cellular/molecular mechanisms in biology. Stipend amount in 2017 was \$3,000.

**Crohn's & Colitis Foundation of America (CCFA)—Student Research Awards:** This program offers financial support for students to spend time performing research on topics relevant to Inflammatory Bowel Disease (IBD), or [Crohn's disease](#) and [ulcerative colitis](#), for a minimum of 10 weeks. CCFA hopes to stimulate research interest in the area of IBD. Candidates may be undergraduate, medical, or graduate students (not yet engaged in thesis research) in accredited United States institutions. Candidates may not hold similar salary support from other agencies. The award amount is up to \$2,500 (one-time payment). Up to 16 Student Research Fellowship Awards will be available for full-time research with a mentor investigating a subject relevant to IBD. Mentors may not be a relative of the applicant and may not work in their lab. The mentor must be a faculty member who directs a research project highly relevant to the study of IBD at an accredited institution.

**Cystic Fibrosis Foundation—Student Traineeships:** The Cystic Fibrosis Foundation offers Student Traineeships to introduce students to research related to cystic fibrosis, and develop and maintain interest in this area of biomedicine. Applicants may be undergraduates planning to pursue graduate training or graduate students interested in receiving additional CF-related research training. Each applicant must work with a faculty sponsor on a research project related to CF. The stipend is \$1,500 and is paid directly to the sponsoring institution. Applicants must work with a faculty sponsor on a research project related to cystic fibrosis. The project should be for the duration of 10 weeks or more.

**Diabetes Research Centers—NIDDK Medical Student Research Program in Diabetes:** The NIDDK Medical Student Research Program in Diabetes is funded by the [National Institute of Diabetes and Digestive and Kidney Diseases](#) (NIDDK), and allows medical students to conduct 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 the [NIDDK-funded Research Centers](#) during the summer between the first and second year or second and third year of medical school. The Program helps students gain an improved understanding of career opportunities in biomedical research and a comprehensive understanding of diabetes, its clinical manifestations and its unsolved problems. In addition to working on his/her own research project, each student attends a series of web-cast seminars addressing various clinical and research aspects of diabetes mellitus and its complications. At the conclusion of the summer, each student presents a brief summary of his/her work at a scientific symposium for all Program participants in Nashville, TN (August 2-3, 2017). Stipend of approximately \$1950 per month for food and housing, etc.

**Emergency Medicine Foundation and Society for Academic Emergency Medicine Foundation—Medical Student Research Grant:** The Emergency Medicine Foundation (EMF) and Society for Academic Emergency Medicine Foundation (SAEMF) jointly award stipends to encourage medical students to engage in and to be exposed to emergency medicine research. An application for an EMF/SAEMF Medical Student Research Grant may be made by either a specific medical student or by an Emergency Medicine residency program wishing to sponsor a medical student research project. Emergency medicine research is broadly defined as scientific investigation designed to furnish new knowledge relating to emergency medical care. Such investigations may focus on basic science research, clinical research, preventive medicine, epidemiology, cost-containment, and research in emergency medicine teaching and education. The grant is for a maximum of \$5,000, at least \$2,500 which must be used as a student stipend. The grant is awarded to a student's institution and may not be used for faculty salary support, institutional overhead, or capital expenditures. The medical student's and/or preceptor's own institution may supplement the EMF/SAEMF Medical Student Research Grant within the guidelines set by that institution.

**Fellowships at Auschwitz for the Study of Professional Ethics (FASPE):** FASPE is a set of innovative programs for students in professional schools designed to address contemporary ethical issues through a unique historical context. Fellowships

provide business, journalism, law, medical, and seminary students with a 12-day trip to Germany and Poland where the actions of professionals during the Holocaust and in Nazi Germany serve as a backdrop for an intensive course of study on the current ethical challenges in their fields. FASPE for Medical Students is an intensive two week fellowship program that examines the roles of physicians in Nazi Germany and during the Holocaust, underscoring how the moral codes that govern the medical profession can break down or be distorted. The program's integrated approach includes historical, medical, philosophical, and literary sources; survivor testimony; and onsite workshops in Germany and Poland. FASPE invokes the power of place—the first-hand experience of visiting Auschwitz and other historic sites—to engage Fellows in applying the lessons of history to the ethical issues they face today. FASPE covers all student expenses, including food, transatlantic and European travel, and lodging.

**[Foundation for Anesthesia Education and Research \(FAER\)—Medical Student Anesthesia Research Fellowship Program:](#)**

FAER's Medical Student Anesthesia Research Fellowships provide funding to support medical students over a summer or a year in focusing on anesthesiology research, training in scientific methods and techniques, and learning how to incorporate research into a medical career. Medical student anesthesia research fellowships are awarded through an annual application cycle. By providing fellowships to medical students with an interest in anesthesiology and research, FAER aims to expand the scientific talent in academic anesthesiology. The summer fellowship provides medical students with an eight-week research experience within an academic anesthesiology department. During the fellowship, students participate in research and training activities, as well as clinical anesthesia activities. In addition, medical student summer fellows have the opportunity to make a scientific presentation at the American Society of Anesthesiologists annual meeting. A dedicated mentor will provide guidance and training in research techniques and scientific methods. Included are a \$400 per week student stipend, ASA student membership dues, plus additional funds to help cover the costs of travel to the ASA meeting.

**[Harvard Catalyst Program for Faculty Development and Diversity Inclusion—Visiting Research Internship Program \(VRIP\):](#)**

For first and second year medical students, this is a funded, mentored, summer research program, designed to enrich medical students' interest in research and health-related careers, particularly clinical/translational research careers. This eight-week program runs from June 5 – July 28, 2017. In addition to a mentored clinical/translational research experience, VRIP students participate in weekly seminars with Harvard faculty focusing on topics such as research methodology, health disparities, ethics, and career paths. Participants also have the opportunity to participate in offerings of other Harvard Medical School programs such as career development seminars and networking dinners. VRIP students are expected to complete an abstract, paper and oral presentation of their summer research project.

**[Infectious Diseases Society of America \(IDSA\)—Medical Scholars Program:](#)** Promotes the subspecialty of infectious diseases by attracting the best and brightest medical students to the field. To further this goal, the IDSA Education and Research Foundation offers scholarships to 1st, 2nd, or 3rd year medical students in U.S. and Canadian medical schools with mentorship by an IDSA member or fellow. It is the responsibility of IDSA members and fellows to identify and solicit interested students. A mentor can only support one application. Each scholarship recipient will receive \$2,000: \$1,500 to be disbursed in April/May, with the remaining \$500 awarded at the conclusion of the project and submission of a final report to IDSA. Recipients are also given complimentary IDSA membership.

**[Lupus Foundation of America—The Gina M. Finzi Memorial Student Summer Fellowship Program:](#)** The purpose of the Gina M. Finzi Memorial Student Summer Fellowship Program is to foster an interest among students in the areas of basic, clinical, translational, epidemiological, or behavioral research relevant to lupus under the sponsorship and supervision of an established, tenure-track Principal Investigator who directs a laboratory dedicated at least in part to the investigation of lupus at a U.S. or Canadian academic, medical, or research institution. Financial support for a summer research project is provided.

**[Memorial Sloan-Kettering Cancer Center—Summer Fellowship Program:](#)** Memorial Sloan Kettering Cancer Center's Medical Student Summer Fellowship Program is a research program for first- and second-year students at US medical schools who are interested in careers as physician-scientists in the field of oncology and/or related biomedical sciences. This program grants students the opportunity to conduct basic laboratory or clinical research under the mentorship of MSK faculty. Additional

support is provided by MSK's Office of Diversity Programs in Clinical Care, Research, and Training. Participants will receive a stipend of \$580 per week for uninterrupted participation in the program, start and end dates included.

**National Institutes of Health (NIH)—Summer Internship Program in Biomedical Research (SIP)**: Summer programs at the National Institutes of Health (NIH) provide an opportunity to spend a summer working at the NIH side-by-side with some of the leading scientists in the world, in an environment devoted exclusively to biomedical research. The NIH consists of the 240-bed Mark O. Hatfield Clinical Research Center and more than 1200 laboratories/research projects located on the main campus in Bethesda, MD, and the surrounding area. Internships cover a minimum of eight weeks, with students generally arriving at the NIH in May or June. The NIH Institutes and the Office of Intramural Training & Education sponsor a wide range of summer activities including lectures featuring distinguished NIH investigators, career/professional development workshops, and Summer Poster Day. Stipends for trainees are adjusted yearly; the level depends on education completed prior to starting at the NIH.

**National Multiple Sclerosis Society—MS Clinical Mentorship for Medical Students**: The National MS Society offers a four-week MS clinical mentorship program to students who have completed at least one year of medical school. The experience will expose students to the diagnosis and comprehensive management of MS under the tutelage of MS experts. Our goals include raising awareness of the challenges experienced by people with MS; and generating interest in a career in MS care. The student will work with neurologists and other clinicians specializing in MS (e.g., urologists, neuro-ophthalmologists, physiatrists, nurses, radiologists, rehab therapists, etc.) and observe most aspects of MS specialty care. Over the course of the four weeks the student will spend time at one or more Centers for Comprehensive MS Care and may spend time at community practice locations and other settings (e.g. rehabilitation, long term care, clinical trials research). The mentorship is full-time and takes place Monday-Friday during regular business hours, with possible evening hours (no more than three or four nights over the course of four weeks). The MS Society provides an award of \$2,000 to the student.

**The New York Academy of Medicine**: The Academy's student grants and fellowships allow medical students the opportunity to gain direct, hands-on experience in a high-quality research environment and exposure to health policy making and leadership development. Each student conducts a summer research project under the direction of an established senior investigator at a top institution. The experience prepares them to move on to more intensive research commitments as their careers develop. Several fellowships and grants are offered with varying requirements, components, and stipends.

**Northwestern University Feinberg School of Medicine/Rehabilitation Institute of Chicago—Summer Extern Experience**: This is an eight-week Summer Externship program, sponsored by the Department of Physical Medicine and Rehabilitation of Northwestern University Medical School. The externship program is held at the Rehabilitation Institute of Chicago (RIC), located in downtown Chicago at the McGaw Medical Center. This program offers a unique and early clinical exposure related to the care of persons with acute and chronic disabilities for comprehensive rehabilitation. Primarily, students will assist in the clinical management of patients admitted to RIC. In addition, students will participate in a research project in a rehabilitation related field. There will be ongoing didactic and in-service efforts directed at the M1-M2 student level. Each student will spend two, four-week rotations on separate inpatient rehabilitation services and have the opportunity to observe and participate in related clinical activities. By the end of the externship, each student is expected to write a research paper and present his/her project to the extern group and invited departmental faculty. Each student will be awarded a \$3,000 stipend for participation in this 8-week program.

**Radiological Society of North America (RSNA)—Research Medical Student Grant**: The purpose of this grant is to increase the opportunities for medical students to have a research experience in medical imaging and to encourage them to consider academic radiology as an important option for their future. Recipients will gain experience in defining objectives, developing research skills and testing hypotheses before making their final choices for residency training programs. Students are expected to undertake a research project requiring full time efforts for at least 10 weeks under the guidance of a scientific advisor during personal/vacation time or during a research elective approved by their medical school. Projects may include any area of research related to the radiologic sciences, from hypothesis-driven basic science and clinical investigations to

topics such as drug, device, and therapy development; comparative effectiveness, evidence-based radiology, ethics and professionalism, quality improvement, clinical practice efficiency, and imaging informatics. Stipend amount is \$3,000 to be matched by the sponsoring department (\$6,000 total), as a stipend for the medical student. Funds are intended to secure protected time for the recipient and may not be used for non-personnel research expenses.

**Roswell Park Cancer Institute—Summer Research Experience Program in Oncology:** Through this internship experience, you will gain either first-hand research or clinical experience by working full-time on an independent clinical or scientific cancer-related research project. You are able to choose and rank projects in the application process based on your research preference and interests. Your experience will take place in the collaborative environment of a cancer research laboratory or clinic headed by a world-renowned cancer researcher or clinician. In the research laboratory you will work alongside graduate students, post-doctoral scholars and laboratory technicians. If your project is in the clinical setting, you will work within a team of staff physicians, nurses and clinical residents. Your experience will be supported by a curriculum of learning and professional development activities. Twenty funded internships (15 medical student and 5 PA student) are awarded based on the qualifications of applicants and criteria required by our outside funding sources. The subsistence allowance for the eight week program is \$3200 which is paid in four bi-weekly check installments over the course of the program.

**St. Jude Children's Research Hospital—Pediatric Oncology Education (POE) Program:** The Pediatric Oncology Education program at St. Jude Children's Research Hospital is funded by the National Institutes of Health / National Cancer Institute. The POE program offers a unique opportunity for students preparing for careers in the biomedical sciences, medicine, nursing, pharmacy, psychology, or public health to gain biomedical and oncology research experience. The POE program provides a short-term training experience (internship) in either laboratory research or clinical research. A primary goal of the POE program is to encourage students to pursue a career in cancer research. Thus, we are particularly interested in highly qualified students with a serious career interest in cancer research, either as a clinical scientist or laboratory-based research scientist. The minimum time requirement for our program is 10 weeks at St. Jude for those currently in medical school and 11 weeks for all others. Undergraduate participants in our program will receive a \$400/week subsistence allowance, and all others will receive \$480/week.

**University of Colorado—Health Innovations Scholars Program:** The Health Innovations Scholars Program is an intensive, 5-week summer experience for pre-clinical medical students, which accelerates mastery of the skills necessary to be a strong physician leader and healthcare innovator. The tentative dates for 2017 are June 19 - July 21, 2017. We'll select up to 8 students via a competitive application process. Through classroom learning, hands-on projects, intensive mentorship, and shadowing in the hospital, program graduates will learn to: observe the practice of high-value, evidence-based hospital medicine; explore effective models for creating and developing teams in the healthcare setting; identify effective leadership strategies that can drive change within complex systems; design projects that lead to improvements in quality, safety, and efficiency in existing clinical systems; utilize design-based methods to envision new models of care centered on meeting patients' needs. Program participants will receive a stipend of \$2,000, and the program covers the cost of air travel for students enrolled in medical schools outside Colorado. All program activities are located on the Anschutz Medical Campus at University of Colorado, Denver.

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## YEAR-OUT PROGRAMS

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### ***Programs through UW***

**Institute of Translational Health Sciences (ITHS)—TL1 Translational Research Training Program:** The one-year mentored research training program provides the training, career development opportunities, and team science skills TL1 trainees need to function effectively within translational science teams. Benefits include: full-time stipend and 60% of full-time tuition up to

18 credits; funding to conduct research and develop career skills; translational training with a multidisciplinary cohort in a supportive environment; and mentorship from established translational researchers.

### ***Programs and Funding Sources outside UW***

**[American Heart Association—Founders Affiliate Medical Student Research Program](#)**: The purpose of the grant is to encourage medical students to consider a career in cardiovascular research. The need for new researchers in the health sciences, from basic science to human behaviors, is critical. This program is designed to provide students at the crossroads of career choices an opportunity to experience research first hand with an established investigator. Awards for student stipends are made for 12 months for \$22,000 per year which includes 10% indirect cost.

**[Doris Duke Charitable Foundation \(DDCF\)—International Clinical Research Fellowship](#)**: The International Clinical Research Fellowship (ICRF) program provides fellowships for U.S.-based medical students to take a year out from school to conduct mentored clinical research in developing countries. Clinical research requires a unique blend of medical and research skills. The ICRF program was designed to support this blending of skills by giving medical students an outstanding clinical research experience in global health while they are in the midst of developing their medical proficiency. The long-term goal of this program is to develop the next generation of clinical investigators working in global health. ICRF participants receive an annual stipend of \$30,000.

### **[Howard Hughes Medical Institute \(HHMI\)](#)**

*In order to encourage more medical students to pursue academic and research careers, the Howard Hughes Medical Institute (HHMI) offers two outstanding “year-out” research training programs. The HHMI Competition System offers an [online application](#) process and program links, listed below. Women and under-represented minorities are particularly encouraged to apply.*

The **[HHMI Medical Research Fellows Program](#)** enables medical, dental, and veterinary students enrolled in U.S. schools to spend a year conducting basic, translational, or applied biomedical research at any school or non-profit research institution in the United States, *except at the NIH in Bethesda, Maryland*. This includes joint initiatives with the Foundation Fighting Blindness (FFB) for students conducting research in ophthalmology, particularly inherited retinal degenerative diseases, and the Burroughs Wellcome Fund (BWF) for veterinary students. For the 2014-2015 program year, fellows receive a stipend of \$30,000, an annual allowance of \$5,500 for health care and other course-related expenses, \$5,500 research allowance, and \$1,500 for roundtrip relocation expense reimbursement.

The **[KwaZulu-Natal Research Institute for Tuberculosis and HIV \(K-RITH\)](#)** has partnered with the HHMI’s Medical Research Fellows Program to fund a year-long program for medical students devoted to research in tuberculosis (TB) and HIV at K-RITH, a cutting-edge research institute in Durban, South Africa. Many fellowships are available for the academic term. Fellows receive a stipend of \$30,000, and allowances totaling an additional \$11,000 to cover research, relocation, and travel-related expenses.

The **[Medical Research Fellows Summer Program at Janelia Farm](#)** offers an exceptional research training experience in the laboratory of an HHMI investigator, early career scientist, or a Janelia scientist, living and working at HHMI’s Janelia Farm Research Campus in Ashburn, Virginia in the Washington, D.C., area. Fellows participate in 8- to 10-weeks of full-time research, and are exposed to high-quality science and interactions with world-class investigators in a rich training environment. Insight is gained regarding careers in medical science, and fellows may apply to extend research training to substantiate a year-long program. Students must comply with specific eligibility and application requirements. Fellows may receive a payment of \$5,000 for 10-weeks (*\$500 per week for less than 10-weeks*) of full-time research, and up to \$1,000 for roundtrip relocation expense reimbursement for travel, if necessary.

**[National Institute of Diabetes and Digestive and Kidney Diseases—T32 Medical Student Research Training Supplement:](#)** The Medical Student Research Training (MSRT) program provides mentored support for medical students interested in taking a year off from their medical school studies to work in an academic research lab. This support is via a supplement to a training grant (T32) in the appropriate area of research. A list of currently funded T32 program locations is available. Providing the opportunity for students to interrupt their medical school studies for up to 12 months to pursue a research project should help them solidify their decisions to pursue a research career, focus their research interests, and provide a background for future training and career development programs once they have completed their medical training. Only students able to commit a minimum of 9 months, up to a maximum of 12 months, full time, to participate in the program may apply. Support will consist of a stipend at the current published predoctoral stipend level, as well as \$4,200 for research support and health insurance, all prorated for the actual period of support. Funds will be awarded as a supplement to the appropriate NIDDK-T32 grant at the institution.

**[National Institutes of Health \(NIH\)—Medical Research Scholars Program:](#)** The National Institutes of Health (NIH) Medical Research Scholars Program (MRSP) is a comprehensive, year-long research enrichment program designed to attract the most creative, research-oriented medical, dental, and veterinary students to the intramural campus of the NIH in Bethesda, MD. Applications for the 2017-2018 program will be accepted October 1, 2016-January 13, 2017. Student scholars engage in a closely mentored basic, clinical, or translational research project on the main NIH campus in Bethesda or nearby NIH facilities that matches their research interests and career goals.

**[Osher Center for Integrative Medicine--University of California, San Francisco:](#)** The UCSF Osher Center offers applications for predoctoral research fellows. These positions are for a one-year period (potentially renewable for a second year). Predoctoral fellows must be enrolled in a qualifying PhD or MD/DO program, and be able to devote most of their time to fellowship-related work. The fellowship includes a stipend of \$22,476 and tuition for related coursework. The goal of the predoctoral fellowship is to support medical students who are taking a research year, or PhD students in relevant fields in the biological or social sciences, to pursue an intensive period of research activity and research training at the UCSF Osher Center for Integrative Medicine. We expect pre-doctoral fellows to work closely with a research mentor at the Osher Center, in most cases developing work that is based on an existing research program. We encourage potential applicants to contact research faculty with whom they are interested in working, in order to develop a planned research project to be performed during the fellowship period.

**[Sarnoff Cardiovascular Research Foundation – Medical Student Research Fellowship Program:](#)** Allows medical students to spend the year conducting research related to the cardiovascular system. Fellows in the past years have been involved in basic science, clinical, or epidemiological research directly related to cardiovascular disease or have chosen projects more tangentially related; *e.g.* oncology, hematology, surgery, etc. The fellowship provides a \$30,000 stipend plus up to \$5,500 in allowances to cover lab interviews, moving expenses, health insurance, computer equipment, or research and classes. If selected, funds are also available (up to \$1,350) for travel to present findings, based on Fellowship research, at two national conferences.