This is a listing of the Short-Term Research and Fellowship Opportunities that are currently available through UAB. The listings below provide a brief description of each program and contact information.

Updated: February 12, 2013

AMERICAN HEART ASSOCIATION SUMMER FELLOWSHIP IN CARDIOVASCULAR BIOLOGY

The American Heart Association will fund three 10-week summer research fellowship opportunities for UASOM medical students interested in performing cardiovascular during the summer between their MS1 and MS2 years. This research can include basic, translational, clinical, outcomes, or community-based research.

Students may contact participating faculty mentors to explore projects and fellowship possibilities. For further information or for advice concerning projects, please contact Dr. Peter R. Smith (prsmith@uab.edu), Director of the Program. Along with the research experience obtained from this program, students will receive a stipend for participation. The stipend will be $4,500 for the required 10 weeks.

Requirements for Students
- Select a mentor who is working in an area of cardiovascular research that is of interest to you. Meet with the mentor, develop a project, and write a research proposal.
- Applicants will submit: 1) completed common application for 2012 UAB summer research fellowships, 2) research proposal, 3) applicant’s CV, 4) mentor’s CV, 5) mentor’s other support and mentor’s NIH data tables 5A/5B. Applications are due March 19, 2012 by 4:00 pm.
- Students will perform original research for 10 weeks under the direction of their mentor.
- Students will attend a series of lectures (once a week) on research and research ethics.
- Students will present their research at the 2012 Benos Medical Student Research Day.

For further information or advice on mentors and projects please contact the Program Director:

Peter R. Smith, Ph.D. (prsmith@uab.edu)
Department of Physiology & Biophysics

Application Deadline: March 19, 2012

CANCER RESEARCH EXPERIENCES FOR STUDENTS (CaRES) PROGRAM

The Cancer Research Experiences for Students (CaRES) Program will provide summer internships for students who are interested in cancer research. CaRES will focus on recruitment of UAB students in the Schools of Medicine and Public Health, although graduate students from Dentistry, Nursing, and other schools are also eligible. Recruitment of qualified minority students will be emphasized. High school students and undergraduate students are not eligible for CaRES. Through screening of individual project requirements and student credentials, the CaRES Program Faculty and CaRES Preceptors will facilitate pairing of students with projects for which they are best suited, in order to optimize the experience for all. Students will be paid a competitive hourly wage, and may receive limited funds for research supplies. Internships in cancer research can be undertaken in the summer prior to matriculation, or in the summer following the first academic year, for periods of 8 to 16 weeks, and for 10-40 hours per week, depending upon the demands of the project and the availability of participating students (“CaRES Interns”) and faculty (“CaRES Preceptors”). The preceptors will be drawn from a pool of more than 250 Comprehensive Cancer Center (CCC) faculty who currently direct approximately 400 research grants. Interns will be encouraged to present their findings at UAB Graduate Student Research Day, UAB Medical Student Research Day, the Annual CCC Research Retreat, or at a regional or national professional meeting. A career development seminar will be held for CaRES interns during the summer.
The program is funded by the National Cancer Institute, and thus only American citizens and permanent residents of the United States are eligible. Minority students are encouraged to apply.

Program Director:

Dr. John Waterbor (h2obor@uab.edu), UAB School of Public Health, Ryals Building 220F, Telephone 934-7146.

For more information see:
http://www.soph.uab.edu/cares

RUSSELL CUNNINGHAM MEMORIAL RESEARCH PROGRAM (UAB PEDIATRICS)

This program was established by Dr. Sergio Stagno, Chairman of the Department of Pediatrics, to honor the memory of Dr. Russell Cunningham, a long time member of the Department of Pediatrics and strong advocate for medical student education. The program is designed to introduce students to pediatrics and pediatric research. Medical Students with an interest in Pediatrics are encouraged to apply for this eight-week summer internship and research program. The student will be assigned to a mentor in the Department of Pediatrics who will be responsible for helping the student design a summer research program and for providing the student an opportunity to attend a variety of Pediatric Clinics and/or hospital rounds and conferences. A stipend of will be awarded to the successful candidates. Medical Students who are completing the MS1 year of the medical school curriculum are eligible to apply. A 200-250 word abstract describing your interest in the program and the strength of your application should be submitted to the Office of the Chairman of Pediatrics. Candidates will be selected by a faculty committee.

For more information:

Clare Mallette (cmallette@peds.uab.edu)
Special Projects Coordinator, Department of Pediatrics

Application Deadline: January 10, 2012
biomedical research to get hands-on experience in a research laboratory. Along with the valuable research experience obtained from this program, you will also receive a stipend for participation during the summer months. The goal of this training program is to introduce medical and dental students to the principles of scientific experimentation, the proper methods of data analysis, and the interpretation and application of research results. The ultimate goal is to provide trainees with an understanding and appreciation of the biomedical research process so as to enhance their practice of medicine and dentistry and to encourage at least some members of this group of students to pursue careers in academic medicine and dentistry.

As part of this summer program, students will be required to attend a seven session lecture series entitled, “Introduction to the Research Enterprise.” Each day a different UAB faculty member will discuss, in a highly interactive way, such topics as hypothesis generation and testing, research ethics, outcomes in clinical and basic science research, human and animal welfare issues, conflicts of interest, and research compliance.

Applicants should have successfully completed at least one semester and not more than 2 years at UAB School of Medicine or Dentistry. Students in a combined MD/PhD or DMD/PhD program are not eligible for support. Students holding PhD degrees or research-based MS degrees in the health sciences, or those already matriculated in formal programs leading to a PhD or research-based MS degree are not eligible. Applicants with a MPH are not necessarily disqualified. Applicants must be citizens of the United States, or must have been lawfully admitted for permanent residency.

For more information see: [http://www.uab.edu/medicine/mssrp/](http://www.uab.edu/medicine/mssrp/)

Robin Lorenz, M.D., Ph.D. (rlorenz@uab.edu)
Director, T35 Summer Research Fellowship Program
Professor
Department of Pathology

Application Deadline: March 19, 2012

DEPARTMENT OF MEDICINE MEDICAL STUDENT SUMMER INTERNSHIP PROGRAM

Program Description: This program is designed to introduce medical students to research opportunities in the Department of Medicine (DOM). Medical students with an interest in medical or health-related research are encouraged to apply for this eight week summer internship program. Selected applicants will identify a mentor among participating faculty members representing each of the eleven divisions of the DOM. The applicant and mentor will design an appropriate research project that will be conducted during the summer between the MS1 and MS2 years. During the summer training period, applicants will be required to attend a weekly seminar series which addresses research ethics, hypothesis generation, human and animal welfare issues, etc. It is expected that each trainee will present results of their research experience as a poster presentation at the Medical Student Research Day and the DOM Trainee Research Symposium in the year following the training period. A stipend of $400/week will be awarded to successful candidates.

Eligibility Criteria: First year medical students are eligible to apply for 3 available positions.

Application Process: The application itself is a two-step process.

Step 1:

Applicants are required to complete an electronic found at: [http://www.dom.uab.edu/medical-student-summer-internship-program/](http://www.dom.uab.edu/medical-student-summer-internship-program/)

The following information is requested:

- Contact information
- Current Grade Point Average
- Undergraduate Education & Training
- Advanced degrees
- Prior clinical/research experience
- Statement of research interests and/or career goals (250-300 words)

The completed application form should be submitted to:
Applications will be reviewed and scored by the Internship Review Committee (IRC). This panel is comprised of physicians and basic researchers representing divisions within the Dept. of Medicine. Recommendations of IRC will be distributed to applicants by January 25th.

Step 2:

Six semi-finalists will be invited to interview with IRC members to discuss research interests and potential faculty mentors. A list of participating faculty, contact information and a summary of their research interests is available on the Summer Internship Website (http://www.dom.uab.edu/medical-student-summer-internship-program/). Members of the IRC will provide consultation and direction of students to an appropriate laboratory. Three finalists will be selected. By the end of February, it is expected that successful applicants will meet with faculty mentors to discuss summer research projects. At this time, the applicant and mentor will provide a one page abstract describing the summer training plan and submit this to the IRC by March 15th. Submission of the abstract will be required for final approval of the Internship position.

Application Deadline: Applications must be submitted by January 15th of each year for consideration of internship appointments during the following summer.

UAB DIABETES RESEARCH AND TRAINING CENTER (DRTC) MEDICAL STUDENT SUMMER RESEARCH FELLOWSHIPS

The UAB Diabetes Research and Training Center (P60 DK-079626) and the Obesity Training Program (T32 DK-062710) are sponsoring summer research fellowship opportunities for medical students interested in performing diabetes-related research in between their freshman and sophomore years. Diabetes-related research is broadly defined. This can include basic, clinical, health services delivery, or community-based research, and can be pertinent to Type 1 or Type 2 diabetes, micro- and macro-vascular complications, basic biology and disease mechanisms, obesity, cardiometabolic disease/Metabolic Syndrome, and disease treatment or prevention. Anyone of the senior scientists or scientists who are active members of the UAB Diabetes Research and Training Center (DRTC) can serve as mentors for the project. A list of these faculty members can be found on the DRTC web site: www.uab.edu/drtc

Along with the valuable research experience obtained from this program, students will receive a stipend for participation. The stipend will be $3,600 for the minimum 8 weeks, and $450 per week for each additional week up to the maximum of 12 weeks. The DRTC will also pay travel expense to the symposium at Vanderbilt University (see below). There is also $1,050 available per student for training-related expenses or for partial offset of laboratory expenditures.

Requirements for Students

- Select a mentor from the list of scientists and senior scientist members of the DRTC (see www.uab.edu/drtc), who is working in an area of interest to you.
- Meet with the mentor and formulate a project that is mutually agreeable.
- Fill out the 1-page application form that can be found on the DRTC website and submit this to Eva Gilliam (evamarie@uab.edu) by March 19, 2012. The DRTC will notify you about your fellowship within the following week.
- Students will perform original research for 8-12 weeks under the direction of the mentor over the course of the summer, 2012.
- Students will attend a series of lectures (once a week) on research and research ethics.
- On August 1-2, 2012, students will be required to submit an abstract and present a poster of their work at Vanderbilt University in Nashville TN, and the DRTC will pay the expenses of
travel. In Nashville, our students will join other medical students from around the country who have conducted research at other medical universities with NIH-funded diabetes centers.

- Students will present a poster of their work at UAB Medical Student Research Day in the Fall of 2012.
- If the student continues to work on the project as part of their scholarship activity in the junior/senior year, the fellowship program will also support a trip for the student to present the research at a national scientific meeting (e.g., the American Diabetes Association, AFCR/ASCI/AAP, FASEB, etc).

The fellowship program will fund 5 students each summer. Students can initiate discussions with DRTC member faculty at anytime to explore projects and fellowship possibilities.

For more information or for advice concerning projects, please contact the Director of the DRTC, Dr. W. Timothy Garvey, MD (garveyt@uab.edu) or the DRTC administrative coordinator, Eva Gilliam (evamarie@uab.edu).

O'BRIEN CENTER FOR RESEARCH IN NEPHROLOGIC AND UROLOGIC DISEASES MEDICAL STUDENT FELLOWSHIPS

This newly established summer research fellowship program provides opportunities for those students interested in nephrology-related research. Along with the valuable research experience obtained from this program, students also receive a stipend for participation. Students will work for 8-9 weeks under the direction of a faculty mentor from the O'Brien Center at UAB. Students will be required to present an abstract of their work at Medical Student Research Day.

For more information contact:

Anapum Agarwal, MD (agarwal@uab.edu), Director, Division of Nephrology, and Interim Chair, Department of Medicine

or Paul Sanders, MD (psanders@uab.edu) Professor, Division of Nephrology, Department of Medicine

Application Deadline: March 19, 2012