Pediatric Research Education Programs

Welcome to the Pediatric Research Education Office. We develop and support basic and clinical research opportunities for undergraduate students, medical students, residents, fellows, and faculty. Our programs include:

- Pediatrics 5700/5900/5901/5902 (clinical research; undergraduate juniors, seniors, post baccalaureate students)
- Native American Summer Research Internship (basic or clinical research; undergraduate juniors and seniors)
- Pediatrics 7260 (basic or clinical research; 4th year medical students)
- Research in Progress (opportunity to present basic or clinical research works in progress; medical students, residents, fellows, faculty)
- Annual Research Conference (opportunity to learn about and/or present basic or clinical research; all clinicians, practitioners, and researchers)

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Pediatric Clinical Research Minor: Academic Associate Program (PED 5700/5900/5901/5902)

Clinical Research Methods and Practice (PED 5900 and 5901)
Pediatrics 5900/5901 is open to junior- and senior-level students of all majors. The courses are offered all semesters (spring, summer, and fall), and may be repeated. Students receive credit for conducting clinical research designed by University of Utah and Primary Children’s Medical Center clinicians. Each student must attend a mandatory orientation (always the Friday before classes begin), a weekly or bi-weekly class meeting, and 6-12 hours/week of clinical shifts enrolling patients into research studies. Students who participate in this course work in a clinical setting, gain exposure to clinical research, interact with pediatric patients and their families, and develop relationships with Department of Pediatrics faculty. At the end of the course, the student will have gained experience in many aspects of pediatric clinical research, including, but not limited to: professionalism in the clinical setting, study design, Institutional Review Board, informed consent/assent, Good Clinical Practice, ethics, basic statistics, and scientific journals. Investigators can apply for the use of the students’ services for $450 a semester.

Clinical Research and Medicine (PED 5902)
Pediatrics 5902 is a unique opportunity for highly-motivated undergraduate and graduate students to be paired with physician mentors having expertise in clinical research. Students will assist physician mentors with various tasks that will give the students insight into the importance of clinical research for both patients and the academic community. Student time will be spent in a variety of clinical environments including the PICU, Emergency department, and Outpatient specialty clinics within Primary Children's Medical Center and the University Hospital. In addition to weekly lectures, students will spend a minimum of 7 hours/week in the Emergency Department assisting their mentor, and 3 hours a week enrolling patients in research studies.

Survey of Pediatric Research-In-Progress (PED 5700)
Pediatrics 5700 focuses on the study design and development of pediatric clinical and basic research studies that are being designed or currently in progress. Students will be introduced to real-world issues that faculty researchers face. Sessions will include presentations on study design and progress in a variety of specialties.
including: Cellular Biology, Genetics, Human Physiology, Pathology, Public Health, Cardiology, Biostatistics, Epidemiology, and Pediatric Emergency Medicine. Students will also study and learn the importance of responsible conduct of research (RSR), and the role it plays in good clinical practice. Weekly lectures will always take place at Primary Children's Medical Center (PCMC). Students can take course multiple times for credit.

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**Native American Summer Research Internship**
The Native American Research Internship is a dynamic summer research opportunity for Native American Undergraduate Junior and Senior students who are interested in Health Science research. The internship is located at the University of Utah in Salt Lake City, Utah. It is a 10-week, paid summer internship, funded by the National Institutes of Health. The internship focus is to provide Native American students an outstanding laboratory or clinically based research experience working alongside world class research faculty at the University of Utah. The goal of the internship is to support the academic, career, and personal development of Native American students who are interested in Health Science careers. Each student will participate in approximately 40 hours/week of internship activities. Approximately 30 hours/week will be for research related activities, and approximately 10 hours/week will be for academic/professional development. Students will work closely with research mentors as well as Native American faculty and staff mentors, develop meaningful relationships within the Health Science and Native American research communities, attend a Native American Health conference, and have opportunities to shadow physicians at their clinical practice. Students will also gain insightful knowledge in the areas of: graduate/medical school preparation, career development, additional academic opportunities, community engagement, professionalism, creating scientific posters, and presenting research material. Additionally, students who successfully complete a summer internship have the option of participating again during the following summer, essentially being able to participate for two summers. The Native American Research Internship provides students a stipend as well as housing at the University of Utah. Both University of Utah students and non-University of Utah undergraduate students are encouraged to apply. No previous research experience is required.

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**Mentored Program in Pediatric Research (PED 7260)**
The goal of the Mentored Program in Pediatric Research is to pair 4th year medical students interested in a pediatric career with experienced academicians and mentors with expertise in pediatric research. The in- depth, mentored experience will provide the student with the opportunity to:

1. Develop a relationship with the mentor
2. Develop skills in pediatric research methods and scientific oral and written presentation
3. Enhance their pediatric career development

The Program will provide students with a list of potential mentors and research projects. Students are expected to contact and meet with potential mentors to identify a research project and develop a timeline for its completion. Students who have already identified a mentor and a project are also encouraged to participate (i.e. the mentor and project do not have to be on the list provided by the Program).

**Directors:**
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**Research-in-Progress**
Research-in-Progress (RIP) sponsored by the Department of Pediatrics, and Primary Children’s Medical Center, is a weekly, interdisciplinary presentation of ongoing basic, clinical, and translational research. Participants include faculty, fellows, residents, and staff.

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**Annual University of Utah Health Sciences and Intermountain Health Care's Joint Conference on Personalized Health Care for Women and Children**

The objective of this conference is to build recognition and understanding of developments in personalized health care research and practice, with an emphasis on women and children’s health. The event will include plenaries, breakout sessions, panel discussions, and networking. This is held annually around May of each year and is free of charge.

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