

PEDIATRIC RESEARCH PROGRAM 2017

Participating Organizations

University of North Texas Health Science Center (UNTHSC), Cook Children's Health Care System (CCHCS) and Child Study Center (CSC).

Key Personnel & Contributors

W. Paul Bowman, MD, Professor & Chair, Department of Pediatrics, UNTHSC.
Deep Shah, MD, MPH, Director of Operations, Department of Pediatrics, UNTHSC.
Don P. Wilson MD, FNLA, Medical Director, Medical Education, CCHCS.
James D. Marshall, MD, Chief Research Officer, CCHCS.
Debra Jordan MS, CHES, CCMEP, Director, Academic and Continuing Professional Education, CCHCS.
Tyler Hamby, PhD, Research Project Manager, CCHCS.
Laurie Bailey, PhD, Manager, Research Development, CCHCS.
Alice Hoeft, MS, Research Project Manager, CCHCS.
Luke Hamilton, MS, Research Project Manager, CCHCS.
Dena Hanson, MLS, Librarian, CCHCS Library.
Riyaz Basha, PhD, Associate Professor, UNTHSC; Research Mentor, CCHCS.

Overview

The Pediatric Research Program (PRP), offered by the Department of Pediatrics, received a remarkable response for the year 2017. As many as 52 first year students showed interest to join this program. After personal interviews and considering available mentors it was not possible to accommodate all students. Attempts were made to accommodate students' interest to match the research area and mentors. PRP provided research training from 6/7/2017 to 7/7/2017 at UNTHSC, Cook CCHCS and CSC. In total, 36 students conducted research under the supervision of 37 (UNTHSC: 9; CCHCS: 27; CSC: 1) mentors. Some students worked at two institutions with mentors at both locations. A few students supervised by more than one mentor at CCHS.



W. Paul Bowman, MD with the participants at orientation

James Marshall, MD welcoming the participants at Cook Children's

Orientation

PRP students were gathered on 6/7/17 at 8:00 A.M. in LIB110 on UNTHSC campus for the orientation and the first didactic session. W. Paul Bowman, MD introduced the key persons to participants and presented the 'Welcome & Overview' session. A few mentors from UNTHSC greeted the students, described about their research and provided some tips to students to utilize this opportunity to gain research experience.



The students assigned to Cook Children's attended orientation and introduction to tools used for the collection and storage of research data. At Cook Children's, participants were greeted and welcomed by James Marshall, MD and Don P. Wilson, MD. Dr. Marshall emphasized the importance of research in clinical practice. Dr. Wilson has described the research topics, information about mentors, program guidelines and provided instructions to comply with the policies/procedures at Cook Children's. Education Coordinators, Samantha St. John, Lynne Harmon and Tasha Heinz demonstrated required systems/software used to collect and store data at Cook Children's and gave the tour of the facilities/departments to PRP students assigned to Cook Children's.

Don P. Wilson, MD with PRP participants

Didactic Lectures

As part of PRP program, students also attended lectures on various topics in five (weekly) didactic sessions.

- i) Research Design and Protocol Development (Presenter: Riyaz Basha, PhD).
- ii) Medical Records Review and Case Study (Presenter: Don P. Wilson, MD).
- iii) Acting with Integrity (Presenter: Dena Hanson, MLS).
- iv) Tips for Presentations & Publications; (Presenter: Riyaz Basha, PhD).
- v) Introduction to Data Analysis and Interpretation (Presenter: Tyler Hamby, PhD).
- vi) Next Steps (Presenter: Riyaz Basha, PhD).

The pdf files of these presentations were shared with the participants for benefiting PRP students (including absentees for the sessions). The participants were submitted their 'Initial Reports' on their research by the due date 7/14/2017. Currently PRP participants are working on their abstracts and posters. Mid-term survey was obtained after the completion of the second week using i-clickers. It was helpful to identify potential pitfalls and intervene to address the concerns of the participants.

Mid-term Survey

Most of the students (30 out of 31) were very satisfied with their mentors' contributions in helping them achieve their research goals. All of the students were very satisfied with accessibility to their faculty mentors and project managers. Most of the students were satisfied with clarity and practicality of program requirements (30 out of 31) and found their assigned projects interesting and meeting their expectations (29 out of 31).

Student Presentations

Students will present their research projects during September through November and will receive participation certificates and 'PRP Student Scholar' button when they present their work.