

Medical Student Research Program



The Center for Pediatric Trauma Research (CPTR) is seeking medical students interested in conducting research related to pediatric trauma. This program, in conjunction with physicians at Nationwide Children's Hospital, aims to provide medical students with firsthand research experience in the field of pediatric trauma.

Center for Pediatric Trauma Research

The Center for Pediatric Trauma Research (CPTR) at Nationwide Children's Hospital conducts research to support global efforts in achieving the best outcomes for pediatric trauma patients. Using a multidisciplinary approach, CPTR researchers lead innovative projects to assess pre-hospital emergency medical services, acute medical and surgical management, rehabilitation, and family and community services that impact the short and long term outcomes of injured children. CPTR serves as a leader and a partner to translate cutting edge research findings to help patients, families, policy makers, and clinicians make informed decisions.

Funding Opportunity

Principal investigators at CPTR will work together with each student to develop a research protocol and will help students seek funding to support their research projects.

Expectation and Outcomes

Under the supervision of CPTR principal investigators, participating students will have the opportunity to conduct their own pediatric trauma-related research in collaboration with CPTR researchers and physicians at Nationwide Children's Hospital. Throughout the summer, each student is expected to:

- Choose a research topic related to pediatric trauma
- Conduct a literature review
- Develop a research hypothesis
- Analyze data from existing datasets to evaluate the topic and test the hypothesis
- Interpret and summarize findings in a manuscript which he/she writes as first author
- Submit the manuscript to a peer-reviewed scientific journal for publication

Contact Information

For more information about this program or for scheduling an interview, please contact:



Henry Xiang, MD, MPH, PhD

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Research Interests: access to trauma care, regional trauma care system evaluation, trauma care clinical guidelines development and evaluation, comparative patient-centered trauma outcome research, novel statistical approaches, pediatric traumatic brain injury, injury and trauma in low- and middle-income countries



Julie C. Leonard, MD MPH

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Research Interests: cervical spine injury, spinal cord injury, traumatic brain injury, prehospital medicine, trauma transport, damage control resuscitation



Ginger Yang, PhD

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Research Interests: epidemiology of pediatric sport-related concussions and orthopedic injuries, sport-injuries and psychological outcomes, impacts of state TBI laws on sport-related concussions



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