



**Providers from the Medical College of Wisconsin and Children's Wisconsin dedicate countless hours to laboratory and clinical research projects in addition to their work treating patients.**

**Sam Adams, MD:** Clinical outcomes of NICU babies with neurologic disorders.

**Ravit Boger, MD:** Diagnosis, treatment, and pathogenesis of cytomegalovirus infection

**Amanda Brandow, MD:** Sickle cell disease and pain management/chronic pain

**Ulrich Broeckel, MD:** Bring novel genetic technologies from the research lab to the clinic

**David Brousseau, MD:** Barriers to adequate treatment of pain in children with sickle cell disease

**Brian Craig, MD:** Biology of neuroblastoma (a common pediatric cancer)

**Jasmine Dowell, MD:** Respiratory disease in premature infants

**Raquel Farias-Moeller, MD:** Outcomes for children in the ICU with neurologic injury,

**Veronica Flood, MD:** Hemophilia and other clotting disorders

**Katy Flynn-O'Brien, MD:** Prevention of trauma and gun violence

**Rainer Gedeit, MD:** Pediatric intensive care and managing severe infections and comfort in critically ill children

**Matt Harmelink, MD:** Clinical interventional therapies for children with neuromuscular diseases

**Amy Heffelfinger, PhD:** Neurobehavioral aspects of congenital heart conditions, epilepsy, and genetic disorders

**Martin Hessner, PhD:** Understanding genetic and environmental contributors to type 1 diabetes

**George Hoffman, MD:** Pediatric and adult anesthesia

**Kristen Holland, MD:** Clinical trials to develop new treatments for pediatric psoriasis and atopic dermatitis.

**Ganesh Konduri, MD:** Novel therapies for bronchopulmonary dysplasia in premature infants

**John Kryger, MD:** Treatment of congenital urologic disease

**Michael Levas, MD:** Health care disparities and youth violence intervention research.

**Joy Lincoln, PhD:** Heart development and pathogenesis of congenital heart disease

**Cara Mack, MD:** Pathogenesis of biliary atresia

**Mike Mitchell, MD, and Aoy Tomita-Mitchell, PhD:** Both participate in clinical research and have worked together in a project involving monitoring for organ transplant rejection

**Lileth Mondok, MD:** Outcomes and treatments of neuroinflammatory diseases

**Paula North, MD, PhD:** Genetics and pathology of vascular malformations and tumors

**Lauren Parsons, MD:** Pathology of pediatric kidney tumors

**Nita Salzman, MD, PhD:** Microbiome and inflammatory bowel diseases

**Cindy Schwartz, MD:** Pediatric cancer

**Elena Semina, PhD:** Developmental biology with a focus on the eyes

**Alan Silverman, PhD:** Data collection and technology to support treatment for feeding disorders

**Andrew Spearman, MD:** Vascular complications of congenital heart disease

**Stacey Stibb, DO:** Moderate to severe traumatic brain injury outcomes and return to sport

**Astrid Stucke, MD:** Central control of breathing

**Eckehard Stuth, MD:** Respiratory neurophysiology and neuropharmacology

**Kyle VanArendonk, MD:** Surgical Outcomes and socioeconomic determinants of health

**David Vyles, MD:** Penicillin allergy and use of appropriate antibiotics

**Amy Wagner, MD:** Fetal interventional therapy

**Calvin Williams, MD:** Role of the microbiome in normal development and long-term health

**Kimberley Zvara, MD:** Use of gait analysis to assist with orthoses prescription in children with cerebral palsy and spina bifida.