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Chair Letter

It is an honor and pleasure to share the 2022-2023 Department of Pediatrics Annual Report which highlights the many accomplishments of the department’s 276 faculty, 17 residents, 100’s of students, and the administrative team who work together with the overarching goal to improve child health and wellbeing through education, scholarship, and service. The department’s vision is “Connecting Care for SD’s Kids” which emphasizes our united focus on children as we work to advance the University of South Dakota Sanford School of Medicine’s (USD SSOM) vision of “Together in teaching, innovation and compassion”. This annual report summarizes and highlights the 2022-2023 accomplishments within each piece of our mission. If you are a part of Pediatrics, you can take immense pride in the breadth and depth of work you do on behalf of each other, our students, and most importantly children and their families. Thank you so much for shaping a better future for our kids!

Michelle L. Baack, MD
Professor & Chair of Pediatrics
The University of South Dakota Sanford School of Medicine
1400 W. 22nd St., Sioux Falls, SD
Michelle.Baack@usd.edu
Vision
The Department of Pediatrics at The University of South Dakota Sanford School of Medicine will be a leader in educating students, residents, fellows, physicians, and allied health professionals in the discipline of pediatrics, be recognized for providing extraordinary, compassionate care to pediatric patients and their caregivers, be renowned for the creation and dissemination of new knowledge in the field of pediatrics, and be valued as an advocate for children.

Mission
The Mission of the Department of Pediatrics at The University of South Dakota Sanford School of Medicine is to provide all learners with an exceptional educational experience in pediatrics, to deliver the highest quality of care to pediatric patients and their caregivers, to create and disseminate new knowledge to improve the health and wellbeing of all children, and to be an advocate for children.

Values
The members of the Department of Pediatrics at The University of South Dakota Sanford School of Medicine espouse the following values:

1. Educators in pediatrics, as role models, should impart in a culturally appropriate manner, the knowledge and skills related to pediatric medicine, that students and residents require to become good physicians.
2. Members of the department are expected to demonstrate and inculcate the highest levels of professionalism, respect, and integrity in their interactions with students, residents, patients and their caregivers, colleagues, and staff.
3. Diversity and inclusiveness are respected and highly valued in our department. Gender, race, color, creed, ethnicity, disability status, religion, sexual orientation, nationality, age, veteran status, and other important social identities are all equally valued and respected in our department.

Goals
1. To stand united in the goal of improving the health and wellbeing of children of South Dakota and through compassionate, exemplary health care, medical education, research, and advocacy.
2. To provide high-quality pediatric education at the undergraduate (medical student), graduate (resident and fellow) and faculty (continuing professional development) level.
3. To advance the field of pediatrics through innovation including basic, translational, clinical and population health research, as well as other scholarly activities.
4. To expand pediatric services throughout the region.
5. To serve as advocates for children’s health and well-being.
6. To serve as a leadership resource in the realm of pediatrics.
7. To support and encourage Faculty Development.
Together

In 2022-23, the Department of Pediatrics grew to 276 faculty members (up from 256) across 43 sites (up from 42) and 21 Divisions (up from 20). We hope to continue this growth with 24 new pediatricians or subspecialists recruited to the region. The department's administrative and leadership team welcomed Ms. Katie Schroeder as the Department Manager. Katie joined Ms. Angie Tuffs, who directs education and recipient of the Civil Service Award. They helped pull off creative "togetherness" efforts including a Holiday Mixer, Pediatric Research and Scholarship Day, Awards Ceremony, many visiting speakers, symposia and educational sessions. They keep us connected through the department’s Monthly Update which reaches 362 people, offering quick link registration for Pediatric Grand Rounds, Journal Club, Faculty Development Series, and Pediatric Topic of the Month didactic learning series. Ms. Schroeder and Ms. Tuffs also enhanced the department’s relatively new centralized, online tools for dossier building and data collection for annual performance evaluations, academic development planning, the USD SSOM bibliography and the creation of this incredible annual. With their creative efforts and exceptional communication skills, our response rates have more than doubled with 104 faculty submitting their accomplishments! Their dedication to every member of the department is clearly evident. There are just not enough words to express our gratitude to them for keeping us together.

Meet the Team - Department Organizational Chart

Michelle Baack, MD
Professor & Chair

Lesta Whalen, MD
Associate Professor & Vice Chair

Katie Schroeder
Department Manager

Angie Tuffs
Education Assistant

Residency
Residency Program Director
Associate Program Directors
Residency Program Coordinator
Chief Residents
Rotation Directors

Medical Student Education
Clerkship Director
LIC Coordinators/Advisors
Pillar 2 & 3 Rotation Directors

Divisions
Division Chiefs
Vice-Chair Letter

Dr. Lesta Whalen, our Vice Chair, brought us closer together with two new mentoring programs including a traditional one-on-one mentorship for academic faculty as well as an innovative team mentoring program that groups participants at every stage of their career to learn from each other and support growth and wellbeing as a small group. Dr. Whalen also leads our Grand Rounds, Faculty Development Series, and the newly formed SD Child Advocacy Network (SD CAN) which directly aligns with our mission of compassion. These efforts have certainly brought us together and following our vision of “Connecting Care for SD’s Kids”. In summary, the department made great strides and remains committed to “togetherness” which enhances diversity, generates fresh ideas, and strengthens our voice for children.

As I have supported the Department of Pediatrics as Vice-Chair, I continue to have the pleasure of focusing on the education and mentoring of our students, staff, and faculty as well as leading development of an advocacy task force for the children of South Dakota. The department Grand Rounds Program continues to invite local and national experts to speak on topics ranging from bench research that is changing the understanding of cellular receptors, to new pediatric developmental milestones, to managing sport-related concussions. Attendance remains high as we continued both virtual and in-person presentation options for enhanced participation. The majority of presentations continue to be recorded and are archived for those unable to participate at the standard time. The Pediatric Faculty Development Series initially focused on gaining teaching skills for faculty through adult learning theory and serious games in medical education. In the new year we began a four-part Diversity, Equity & Inclusion Series developed by Dr. Kenyon, Associate Dean of Diversity and Inclusion and Kyle Siemers, MD/PhD Student.

Over 2022-2023 I developed a mentoring program for new faculty, which began at the start of the new 2023-2024 academic year, and we are excited to see how this moves forward. This program is one-on-one career mentoring for new physicians to the department who need assistance and guidance navigating the beginning of their career with the University of South Dakota. The department has also developed a group-mentoring program for faculty and Pediatric Resident Physicians at Sanford Health. This too is in its infancy and continues to move forward in the new academic year and I remain excited to see how the program evolves. Over the last year we have also gradually begun to grow an advocacy task force, South Dakota Child Advocacy Network (SD CAN), in order to serve our population in overcoming issues that deter health and wellness. This group is identifying goals and projects over the next months and are excited to get moving with our motivated members.

My hope in 2023-2024 is to take the two mentoring programs forward, changing them as needed to best serve our faculty. SD CAN will continue to grow and develop programs to serve the needs of our families, advocating for policy change, health education and resource availability. We continue to receive recommendations for, and invite, dynamic speakers for Pediatric Grand Rounds and already have an almost full year of great presentations planned. Faculty Development Series will finish the DE&I series and begin a new four-part series centered around emotional intelligence.

I appreciate the dedication each of you show to the Department of Pediatrics in teaching and supporting our medical students and your colleagues.

Sincerely,
Lesta Whalen, MD
Department of Pediatrics Vice Chair
Associate Professor
Faculty & Staff Changes

Together, we celebrated the retirement of two long-standing members, Dr. Stephen Kovarik who served the Rapid City campus as a neonatologist for 40 years and Dr. Larry Fenton who served Sanford Health as a neonatologist and palliative care specialist for 50 years. Dr. Fenton is also a past chair of the department. We are extremely grateful for their dedication and service to babies, families, and colleagues. We also celebrated Dr. Carl Galloway’s promotion to Clinical Professor as well as five academic promotions through a rigorous peer review process. Congratulations to Drs. Kevin Francis, Gokhan Olgun, Kayelyn Wagner and Santiago Lopez who were promoted to Associate Professor and Dr. Jody Huber who was promoted to Professor! Together, the department recognized exceptional work through peer-nominated departmental awards: Dedicated Teacher (Dr. Samuel Schimelpfenig), Distinguished Researcher or Scholar (Dr. Lauritz Meyer), Master Clinician (Dr. Christiane Maroun), and the Kindness Initiative Award (Dr. Daniel Mark). The department also recognized exceptional students pursuing pediatrics through the SD American Academy of Pediatrics and USD SSOM Excellence in Pediatrics Award which went to Ruthellen Anderson. The Outstanding Resident and Outstanding Resident Teacher awards both went to Dr. Ana Nevarez Gilbert. This year we also established the Resident Scholar’s Awards to recognize pediatric residents in each class that achieve the top in-training exam (ITE) scores. These went to Drs. Sowmya Kruttiventi (PGY1), Rebecca Mabee (PGY2), Ana Nevarez Gilbert (PGY3) and Hayley Shackelford (most improved score). Our heartiest congratulations to these individuals who inspire us all with their work and accomplishments!

Administrative & Faculty

Kelly Leaver
Kelly resigned from the Department of Pediatrics as the Department Manager in 2022

Katie Schroeder
Katie joined the Department of Pediatrics as the Department Manager on February 22, 2023

Megan Quandt, BA, MBA
Megan joined the Pediatrics Residency Program as the Program Coordinator on August 22, 2022

Connie Taylor, MD
Dr. Taylor was appointed to Pediatric Neurology Division Chief

Donald Ellis, MD
Dr. Ellis was appointed to the Pediatric Emergency Medicine Division Chief – June 2023

Retirements

Stephen Kovarik, MD
Retirement from Clinical & SSOM Service
Thank you for 40 years of service!

Lawrence Fenton, MD
Retirement from Clinical Service
Thank you for over 50 years of service and leadership including as a past Chair of the Department of Pediatrics!
Events

Holiday Mixer
The Department of Pediatrics faculty celebrated the years accomplishments with a holiday mixer at The Country Club of Sioux Falls on December 14, 2023 and sent “Cocoa Parties in a Box” to clinical faculty across the state.

Other Events
The T. Denny Sanford Children’s Pediatric Symposium was held in Okoboji, Iowa on June 16-17, 2023, and included a joint Sanford-Mayo Symposium and Pediatric Residency Retreat.
The Department of Pediatrics welcomed 19 new faculty members to assist with training medical students and residents, along with caring for children across the state. USD SSOM appointments come with many opportunities and helpful services to support faculty in teaching, professional development, and research.

**Sioux Falls**

- **Syed Haris Zamir Kazmi, MD**  
  Clinical Assistant Professor, Avera McKennan Hospital

- **Jessica Top, MD**  
  Clinical Assistant Professor, Avera McKennan Hospital

- **Bruce Banwart, MD**  
  Clinical Assistant Professor, Avera McKennan Pediatric Critical Care

- **Taylor Hansen, DO**  
  Clinical Assistant Professor, Avera McKennan Pediatric Neonatology

- **Aimee Deliramich, PhD**  
  Assistant Professor, USD Center for Disabilities

- **Brittany Schmidt, MA**  
  Instructor, USD Center for Disabilities

- **Julia Blue, DO**  
  Clinical Assistant Professor, Sanford Children’s 26th & Sycamore

- **Catherine Nelson, DO**  
  Assistant Professor, Sanford Children’s Hospital

- **Maria Skorey, MD**  
  Assistant Professor, Sanford Children’s Hospital

- **Jordan Fritch-Hanson, MD**  
  Assistant Professor, Sanford Children’s Specialty Clinic

- **Benjamin Hoag, MD**  
  Clinical Assistant Professor, Sanford Children’s Specialty Clinic

- **Peter Holmberg, MD**  
  Assistant Professor, Sanford Children’s Specialty Clinic

- **Rashmi Jain, MBBS (MD)**  
  Assistant Professor, Sanford Children’s Specialty Clinic

- **Dana Schroeder, FNP**  
  Clinical Instructor, Sanford Children’s Specialty Clinic

- **Donald Ellis, MD**  
  Associate Professor, Sanford Emergency Department

- **Prathapan Ayyappan, PhD**  
  Assistant Professor, Sanford Research

**Harrisburg**

- **Leah Heidenreich, MD**  
  Assistant Professor, Sanford Health Clinic

**Rapid City**

- **Elizabeth Farnsworth, MD, PhD**  
  Clinical Assistant Professor, Black Hills Pediatrics

- **Adam Dell, MD**  
  Assistant Professor, Oyate Health Center

- **Aimee Deliramich, PhD**  
  Assistant Professor, USD Center for Disabilities

- **Brittany Schmidt, MA**  
  Instructor, USD Center for Disabilities

- **Julia Blue, DO**  
  Clinical Assistant Professor, Sanford Children’s 26th & Sycamore

- **Catherine Nelson, DO**  
  Assistant Professor, Sanford Children’s Hospital

The magazine of the USD Sanford School of Medicine Fall/Winter 2019
Faculty Overview

The Department of Pediatrics is made up of 276 primary, 34 cross-appointed faculty members that work across 43 sites and within 21 divisions including: Cardiology, Child’s Voice, Critical Care, Developmental & Behavioral, Emergency Medicine (PEM), Endocrinology, Gastroenterology, General Pediatrics, Genetics Endocrinology, Hematology Oncology, Hospitalists, Infectious Disease, Neonatology, Nephrology, Neurology, Palliative Care, Physical Medicine & Rehabilitation, Pulmonology, Avera Research, Sanford Research, and Surgery. Of the primary pediatrics faculty, there are 99 academic, 177 clinical, seven adjunct, and six emeritus in the Department of Pediatrics.

146 faculty members identify as having a rural background or rural clinical practice (< 30,000 people).

52 faculty members are USD SSOM Alumni.

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Divisions

The Department of Pediatrics consists of 21 divisions with dedicated faculty who have a passion for student teaching and provide exceptional clinical pediatric and subspecialty care for kids. The listed Division Chiefs support the academic and professional advancement of faculty as well as clinical and teaching excellence within each division.

Cardiology

Theresa Stamato, MD, Division Chief
Sanford Children's Specialty Clinic

Sioux Falls

Nofill Arain, MD, Sanford Children's Specialty Clinic
Sami Awadallah, MD, Avera Medical Group Pediatrics
Specialists
Eric Mittelstaedt, MD, Sanford Children's Specialty Clinic
Eric Towe, MD, Avera Medical Group Pediatrics
Subspecialists
William Waltz, MD, PhD, Sanford Children's Specialty Clinic

Child's Voice

Nancy Free, DO, Division Chief
Sanford Child's Voice

Sioux Falls

Shelly Hruby, APRN, CNP, Sanford Child’s Voice
Brooke Jones, MD, Sanford Child’s Voice
Kirsten Persson, MSPAS, Sanford Child's Voice

Critical Care

Jody Huber, MD, Division Chief
Sanford Children's Specialty Clinic

The Pediatric Critical Care Division was active over the 2022-2023 academic year. Our divisions focus is providing education for medical students and residents. We are active members of our teaching services and enjoy participating in quality improvement, faculty development and clinical research activities. We are increasing our faculty in the upcoming year and are hoping for more great accomplishments.

Sioux Falls

Mir Ali, MD, Sanford Children's Specialty Clinic
Bruce Banwart, MD, Avera McKennan Pediatric Critical Care
Kingshuk Dasgupta, MD, Avera Medical Group, Pediatric Critical Care & Hospitalist Services
Benson Hsu, MD, MBA, Avera Children's Hospital

Gokhan Olgun, MD, Sanford Children's Specialty Clinic
Nicolas Rivera, MD, Avera Pediatric Critical Care/ Hospitalist Service
Ashley Sandeen, DO, Sanford Children's Specialty Clinic
Joseph Segeleon, MD, Sanford Children's Specialty Clinic
Lesta Whalen, MD, Sanford Children's Hospital

Developmental & Behavioral

Carolyn Kippes, MD, Division Chief
Sanford Children's Specialty Clinic

The Developmental & Behavioral Pediatrics clinic is increasing in size from three to five clinicians. We continue to have very full clinic schedules and waitlists. We continue to have students and trainees work with us in clinic, including: medical students, pediatric residents, child & adolescent psychiatry fellows, and LEND trainees. We continue to participate in various multidisciplinary clinics: Spina Bifida/Myelo Clinic, NF Clinic, FASD Clinic, Lifescape Outreach Clinic, Autism Team Clinic, and LEND Clinic.

Sioux Falls

Noelle McGee, FNP-CNP, Sanford Children's Specialty Clinic
Erin Schroeder, MSN, Sanford Children's Specialty Clinic

Emergency Medicine (PEM)

Donald Ellis, MD, Division Chief
Sanford Emergency Department

The Pediatric Emergency Medicine Division was created in June 2023 and is in the process of recruiting faculty.
Endocrinology

John Shelso, MD, Division Chief
Sanford Children’s Specialty Clinic

Rapid City
Rachel Edelen, MD, Monument Health Rapid City Clinic

Sioux Falls
Laura Davis-Keppen, MD, Sanford Children’s Specialty Clinic
Kurt Griffin, MD, PhD, Sanford Research
Ashutosh Gupta, MD, Avera Medical Group Pediatric Specialty Clinic
Karen Hanisch, MS, Sanford Children’s Specialty Clinic
Benjamin Hoag, MD, Sanford Children’s Specialty Clinic
Rashmi Jain, MBBS, Sanford Children’s Specialty Clinic

Gastroenterology

Tonya Adamiak, MD, Division Chief
Sanford Children’s Specialty Clinic

The Pediatric Gastroenterology Division includes four physicians and two nurse practitioners. Services provided include outpatient clinics, inpatient consults, and procedures (endoscopy, colonoscopy, capsule endoscopy, impedance studies). The division provides outreach clinic services to Rapid City, Dakota Dunes, Aberdeen, and Watertown; and multidisciplinary feeding clinics with speech therapy, occupational therapy, dietician, and social work. Pediatric residents do required rotations in Pediatric Gastroenterology, and our team has mentored pediatric residents who have gone on to do fellowships in Pediatric Gastroenterology.

Sioux Falls
Sarah Cole, MD, Avera Medical Group Pediatric Specialists
Brock Doubledee, DO, Sanford Children’s Specialty Clinic
Melissa Jensen, MD, Sanford Children’s Specialty Clinic
Stephen Nanton, MD, Avera Medical Group Pediatric Specialists
Gary Neidich, MD, USD Sanford School of Medicine
Stephanie Van Dam, MSN, FNP, Sanford Children’s Specialty Clinic

General Pediatrics

Aaron Zylstra, MD, Division Chief
Sanford Children’s Clinic 69th & Louise

Brandon
Linne Curtis-Bayt, MD, Sanford Brandon Children’s Clinic
Kassy Thorpe, MD, Sanford Brandon Children’s Clinic

Brookings
Matt Bien, MD, Avera Medical Group Brookings

Harrisburg
David Basel, MD, Avera Medical Group Harrisburg
Shannon Carruthers, MD, Sanford Harrisburg Clinic
Leah Heidenreich, MD, Sanford Health Clinic
Bianca Johnson, MD, Sanford Harrisburg Clinic

Mitchell
Christine Arnold, MD, Sanford Health Mitchell Clinic
Jennifer Tegethoff, MD, Avera Medical Group Pediatrics

Pierre
Marty Allison, MD, Avera Medical Group Pierre
Teresa Cass, MSN, Avera Medical Group Pierre
Natalie Hutton, MD, Avera Medical Group Pierre
Bretta Olson, MD, Avera Medical Group Pierre

Rapid City
Gregory Anderson, DO, Black Hills Pediatrics & Neonatology, LLP
Halie Anderson, MD, Rapid City Medical Center
Adam Dell, MD, Oyate Health Center
Elizabeth Farnsworth, MD, PhD, Black Hills Pediatrics
Cara Hamilton, MD, Black Hills Pediatrics & Neonatology, LLP
Kimberly Hushagen, MD, Rapid City Medical Center
Margaret Kuehler, MD, Black Hills Pediatrics & Neonatology, LLP
Sam Mortimer, MD, Black Hills Pediatrics & Neonatology, LLP
David Mueller, DO, Black Hills Pediatrics, LLP
Alicia Palmer, MD, Black Hills Pediatrics, LLP
Martin Spahn, MD, Founders Park Clinic, Prof. LLC
Lori Strong, MD, Black Hills Pediatrics & Neonatology, LLP

Sioux Falls
Courtney Backer, MD, Avera McGreevy Clinic
Barry Bauer, MD, Sanford Children’s Clinic
Elizabeth Bauer, MD, Sanford Children’s Clinic 26th & Sycamore
Julia Blue, DO, Sanford Children’s Clinic 26th & Sycamore
Daniel Bouldwine, MD, Avera Family Health Center
Rochelle Boote, MD, Avera Medical Group McGreevy 69th & Cliff
Kara Bruning, MD, Avera Medical Group McGreevy Pediatrics South
Ashley Coaston, DO, USD Sanford School of Medicine
Shari Eich, MD, Avera Medical Group McGreevy
Michael Elliott, MD, Sr. VP of Medical Affairs/CMO
Shannon Emry, MD, Avera Medical Group Family Health Center Dawley Farms
Sara Free, MD, Sanford Children’s Clinic
Jennifer Haggart, MD, Sanford Children’s Clinic
Scott Henry, MD, Sanford Children’s Clinic
Rick Kooima, MD, Avera Medical Group Family Health Center Dawley Farms
Katie Larson, MD, Sanford Children’s Clinic
Edward Mailloux, MD, Sanford Children’s Clinic
The Division of Pediatric Hospital Medicine is highly involved in education of residents and medical students. We are the primary teaching service for the pediatric residency, with residents completing a total of eight rotations with our team during residency. Each family medicine intern also completes an inpatient pediatric rotation with us, as well as having a number of senior family medicine residents pursuing additional elective opportunities with us. We almost constantly have medical students in Pillar 2, as well as frequent Pillar 3, on rotation, providing a diverse group of learners on the team. Our group is highly involved in the development of clinical practice guidelines and order sets to standardize medical care, as well as numerous committees for the hospital, medical school, and residency program.
The Section of Neonatology comprises three NICUs across the state – Sanford and Avera in Sioux Falls and Monument Health in Rapid City. Each NICU is active in teaching of Pillar 1, 2, and 3 medical students, and Sanford NICU is the primary NICU experience for Sanford pediatric residents and the Center for Family Medicine residents. Research plays a large part of patient care at Avera and Sanford, with Sanford being an active member of the national collaboration, the Neonatal Research Network, supporting numerous ongoing studies.

All three NICUs have active transport teams and participate in the training of nurses and ancillary staff in the neonatal resuscitation program (NRP) and the S.T.A.B.L.E. program for post-resuscitation/pre-transport stabilization of sick neonates.

Section members at all three NICUs participate in mentoring, QI projects, the development of clinical practice guidelines, and multiple other service activities for the NICU, the hospital, the medical school, and the community.

Rapid City
Kimberly Balay, MD, Monument Health Hospital

Sioux Falls
Beth Abrahamson, BSN, NNP, Sanford Children’s Hospital
Kathryn Anderson, MD, Sanford Children’s Hospital
M. Ranae Aukerman, BSN, NNP, Sanford Children’s Hospital
Michelle Baack, MD, Sanford Children’s Specialty Clinic
María Barber, DO, Avera McKennan Hospital
Kerri Bjornson, MSN, NNP, Sanford Children’s Hospital
Tiffany Brende, MSN, NNP, Sanford Children’s Hospital
Molly Brynjulson, NNP, Sanford Children’s Hospital
Lynette Burch, DNP, NNP, Sanford Children’s Hospital
Rebecca Fish, MD, Avera Medical Group Neonatology
Ashley Geppert, MSN, NNP, Sanford Children’s Hospital
Jacquelyn Grev, MD, Sanford Children’s Specialty Clinic
Taylor Hansen, DO, Avera Neonatology

Laura Jarding, MSN, NNP, Sanford Children’s Hospital
M. Akram Khan, MD, Sanford Children’s Specialty Clinic
Debra Koen, MSN, CNP, Sanford Children’s Hospital
Natasha Lopez, MD, Avera McKennan Hospital
Lisa Lubbers, MSN, NNP, Avera McKennan Hospital NICU
Kara Mergen, MSN, NNP, Sanford Children’s Hospital
Stephen Messier, MD, Sanford Children’s Specialty Clinic
Lauritz Meyer, MD, Sanford Children’s Specialty Clinic
Debra Munson, MD, Sanford Children’s Specialty Clinic
Debra Neuman, MSN, NNP, Sanford Children’s Hospital
Amanda O’Neil, RN, MSN, CNP, Boekelheide Neonatal Intensive Care Unit
Charisse Ortmann Brockmueller, MSN, NNP, Sanford Children’s Hospital
Lynn Paul, MSN, NNP, Sanford Children’s Hospital
Laurie Richards, MD, Sanford Children’s Specialty Clinic
Maria Skorey, MD, Sanford Children’s Hospital
Baiba Steinbreker, MD, Sanford Children’s Hospital
Dennis Stevens, MD, MS, USD Sanford School of Medicine
Deanna Stoll, MSN, NNP, Sanford Children’s Hospital
Mallory Summerer, MSN, NNP, Sanford Children’s Hospital
Nicholas Torbert, DO, Avera McKennan Hospital
Mallory Van Tol, MSN, NNP, Sanford Children’s Hospital
Katherine Wang, MD, Avera Medical Group Neonatology
Lynn Ward, MSN, NNP, Sanford Children’s Hospital
Jacqueline Weidauer, MSN, Sanford Children’s Hospital
Lawrence Wellman, MD, USD Sanford School of Medicine
Jessica White, MD, Sanford Children’s Specialty Clinic

Nephrology
John Sanders, MD, Division Chief
Avera Medical Group Pediatric Specialists

Sioux Falls
Justin Kastl, MD, Sanford Children’s Specialty Clinic

Neurology
Connie Taylor, MD, Division Chief
Avera Medical Group Pediatric Specialists

Rapid City
Jorge Sanchez, MD, Monument Health Neurology & Rehabilitation

Sioux Falls
Mohamad Abou Merhi Saied, MD, Sanford Children’s Specialty Clinic
Shalome Dsouza, MD, Sanford Children’s Specialty Clinic
Heather Johnson, MS, RN, CNP, Sanford Children’s Specialty Clinic
Kyla Stoops, MSN, Sanford Children’s Specialty Clinic
Kellie Sweet, DO, Sanford Children’s Specialty Clinic
Ovictor Tesoro, MD, Avera Medical Group Pediatric Specialists
Palliative Care

Daniel Mark, MD, Division Chief
Sanford Children’s Specialty Clinic

Sioux Falls
Pam Koepsell, MSN, CNP, Sanford Children’s Hospital
Terri Peterson-Henry, DO, Sanford Oncology & Palliative Care Clinic

Physical Medicine & Rehabilitation

Julie Johnson, MD, Division Chief
Sanford Children’s Specialty Clinic

Sioux Falls
Charles Broberg, MPAS, Sanford Children’s Specialty Clinic/Lifescape
Daniel Steventon, PT, DPT, Sanford Children’s Specialty Clinic

Pulmonology

James Wallace, MD, Division Chief
Sanford Children’s Specialty Clinic

Sioux Falls
Deborah Hickman, DNP, MSN, RN, Sanford Children’s Specialty Clinic
Amit Jain, MBBS, Sanford Children’s Specialty Clinic
Chuanpit Moser, MD, Sanford Children’s Specialty Clinic
Stacy Peters, PharmD, Sanford Children’s Specialty Clinic
Wilfredo Veloira, MD, Avera Children’s

Research Avera

Amy Elliott, PhD, Division Chief
Avera Research Institute

Pine Ridge
Deborah Tobacco, MA, Research Institute Center for Pediatric & Community Research

Rapid City
Christine Hockett, PhD, Avera Research Institute
Katie Ziegler, MPH, Avera Research Institute

Sioux Falls
Jyoti Angal, PhD, Avera Research Institute
Arielle Deutsch, PhD, Avera Health
Christa Friedrich, MS, Avera Research Institute
Lacey McCormack, PhD, Avera Research Institute

Research Sanford

Kurt Griffin, MD, PhD, Division Chief
Sanford Research

Division faculty are currently mentoring 13 graduate students: seven PhD, five MD/PhD, and one MS. Four additional students defended in the last year: three PhD, one MD/PhD. During this period, Sanford Research hosted 36 undergraduate summer students through the SPUR program.

The Sanford Research weekly seminar series hosted 12 visiting faculty, including Nobel laureate Dr. William Kaelin who presented as the 11th Annual Sanford Research Graduate Student-Invited Seminar Series Speaker. Sanford Research also hosted topical symposia with external speakers focused on pediatric research, population research, rare diseases, genetics, and the Eastern South Dakota Research Symposium.

Sioux Falls
Prathapan Ayyappan, PhD, Sanford Research
Michelle Baack, MD, Sanford Children’s Specialty Clinic/Sanford Research
Jonathan Brudvig, PhD, Sanford Research
Francisco Bustos Velasquez, PhD, Sanford Research
Indra Chandrasekar, PhD, Sanford Research
Kevin Francis, PhD, Sanford Research
Michael Kareta, PhD, Sanford Research
Attila Kovacs, PhD, Sanford Research
Lance Lee, PhD, Sanford Research
Santiago Lopez, MD, Sanford Children’s Specialty Clinic/Sanford Research
Abdelhalim Loukil, PhD, Sanford Research
Ikuo Masuho, PhD, Sanford Research
Thayne Munce, PhD, Sanford Research
David Pearce, PhD, Sanford Research
Louis-Jan Pilaz, PhD, Sanford Research
Kyle Roux, PhD, Sanford Research
Alexei Savinov, MD, PhD, Sanford Research
Arielle Selya, PhD, Sanford Research
Anna Strahm, PhD, Sanford Research
Kameswaran S Surendran, PhD, Sanford Research
Jianning Tao, PhD, Sanford Research
Kurt Warnhoff, PhD, Sanford Research
Jill Weimer, PhD, Sanford Research
Surgery

Jon Ryckman, MD, Division Chief
Sanford Children's Specialty Clinic

Sioux Falls
Kurt Eeg, MD, Sanford Children's Specialty Clinic
Adam Gorra, MD, Sanford Children's Clinic & Hospital
Geoffrey Haft, MD, Avera Orthopedics
Robert Lunn, MD, Anesthesia Physicians Ltd
Kjerstin Purintun, MSN, CPNP, Sanford Children’s Specialty Clinic
Jennifer Reitsma, MSN, APRN-CNP, CPNP-AC/PC, Sanford Children’s Specialty Clinic
Ryan Rowberry, MD, Anesthesia Physicians Ltd
Geoffrey Tufty, MD, Sanford Eye Center & Optical

Other Division Faculty

Aberdeen
Thomas Luzier, MD, Aberdeen Asthma & Allergy

Kyle
Rafael Christian, MD, Kyle Health Center

Pine Ridge
Andrew Modic, MD, Pine Ridge Service Unit
Laura Ramey, MD, Pine Ridge Indian Health Services

Rapid City
Jennifer Hasvold, MD, Monument Health Hospital

Rosebud
Jean Heisler, MD, Rosebud Comprehensive Healthcare Facility

Sioux Falls
Alaa Al Nofal, MD, Sanford Children’s Specialty Clinic
Den’Yelle Baete Kenyon, PhD, USD Sanford School of Medicine
Vinod Bhatar, MD, Avera Behavioral Health Center
Jerome Blake, MD, Associate Professor
Shea Bonine, MS, Sanford Children's Specialty Clinic
Mark Bubak, MD, Dakota Allergy & Asthma
Bonnie Bunch, MD, PhD, Sanford Children’s Specialty Clinic
Aimee Deliramich, PhD, USD Center for Disabilities
Janet Dubois, MD, Sanford Radiology Clinic
Susan Duffek, MD, Sanford Radiology Clinic
David Ermer, MD, Sanford Psychiatry & Psychology Clinic
Randolph Faustino, PhD, USD Sanford School of Medicine
Lawrence Fenton, MD, Sanford Children’s Specialty Clinic
Bruce Fogas, PhD, Volunteers of America, Dakotas
Emily Griese, PhD, Sanford Health Plan
Ryan Groeneweg, EdD, USD Center for Disabilities
Keith Hansen, MD, USD Sanford School of Medicine
Amy Heiberger, PharmD, Sanford Pharmacy
Amanda Hurst, PharmD, Sanford USD Medical Center

John Johnson, PhD, USD Center for Disabilities
Marni Johnson Martin, AuD, USD Center for Disabilities
Sarah Konrady, PhD, Sanford Clinic Behavioral Health
Eric Kurtz, PhD, USD Center for Disabilities
Rebecca Lustfield, PhD, USD Sanford School of Medicine
Lisa MacFadden, PhD, University of South Dakota Sioux Falls
Cindy Matthes, BS, Sanford Children's Specialty Clinic
Emily Meier, MA, USD Sanford School of Medicine
MacKenzie Mertz, DO, Sanford Psychiatry & Psychology Clinic
Patrick Munson, MD, Sanford Clinic Ear, Nose & Throat
Jeffrey Oakland, OD, Dakota Vision Center
Deborah Pritchett, PharmD, Sanford Children’s Hospital
Jaymi Russo, MEd, USD Sanford School of Medicine
Amy Scepaniak, MS, USD Center for Disabilities
Brittany Schmidt, MA, USD Center for Disabilities
Brandy Sebera, MS, USD Center for Disabilities
R. Maclean Smith, MD, Allergy & Asthma Clinic
Timothy Soundy, MD, Avera University Psychiatry Associates

Bend, OR
Joseph Zenel, MD, Professor Emeritus

Kannapolis, NC
Philip May, PhD, Gillings School of Global Public Health

Lawrenceville, GA
Megan Landsverk, PhD, Palmetto GBA

New York, NY
Sotirios Keros, MD, PhD, Adjunct Associate Professor

North Chicago, IL
Archana Chatterjee, MD, PhD, Chicago Medical School, Office of the Dean

Orange City, IA
Megan Fretham, DO, Orange City Medical Clinic

Richmond, VA
Erik Schobitz, MD, Richmond Emergency Physicians, Inc

San Diego, CA
Jim Warne, MS, USD Center for Disabilities, Oyate’ Circle

Tucson, AZ
H. Eugene Hoyme, MD, Professor Emeritus
Awards

**Staff Award**
Angie Tuffs
Civil Service Award

**Student Award**
Ruthellen (Elle) Anderson
Excellence In Pediatrics

**Resident Awards**
Sowmya Kruttiventi, MD
Top PGY1 ITE Score

Rebecca Mabee, MD
Top PGY2 & Top Program ITE Score

Ana Nevarez Gilbert, MD
Top PGY3 ITE Score
Resident of the Year
Resident Teacher of the Year

Hayley Shackleford, MD
Most Improved ITE Score Overall

**Faculty Awards**
Samuel Schimelpfenig, MD
Dedicated Teacher Award

Lauritz Meyer, MD
Distinguished Researcher Award

Christiane Maroun, MD
Master Clinician Award

Daniel Mark, MD
Kindness Award

**Other Awards**
Michelle Baack, MD
Midwest Society for Pediatric Research Segar Family Lectureship Award

Adam Dell, MD
University of Utah Pediatric Housestaff Excellence in Teaching Award (2022)

Benson Hsu, MD, MBA
McNulty Foundation: Catalyst Fund Prize for Aequitas Health

DenYelle Kenyon, PhD
Dakota Community Collaborative on Translational Activity (DaCCoTA) Mentor of the Year (2022)

Dr. Scott McKercher, MD
Sanford Clinician Well-being Champion Award

Louis-Jan Pilaz, PhD
Society for Neuroscience Member

Suzanne Reuter, MD
USD SSOM Alpha Omega Alpha Chapter Advisor

Jon Ryckman, DO
Sandford Physician of the Year

Michelle Schimelpfenig, DO
Aequitas Health Honor Society

Jianning Tao, PhD
Geographical Management of Cancer Health Disparities Research Scholar Travel Grant Award National Cancer Institute Management of Cancer Health Disparities (GMaP) Program

David Withrow, MD
2023 USD SSOM Class of 1983 Clinical Faculty Award. The award was established in 2008 to recognize clinical faculty in clinical practice, active in the medical school who has made a significant contribution to the USD SSOM in teaching and leadership in their department. Dr. Withrow was nominated by his medical students based on his patience, humility and outstanding qualities as a clinician and educator.
Faculty Promotion

**Academic Promotion**

**Jody Huber, MD**
Professor

**Kevin Francis, PhD**
Associate Professor

**Santiago Lopez, MD**
Associate Professor

**Gokhan Olgun, MD**
Associate Professor

**KayeLyn Wagner, MD**
Associate Professor

**Jyoti Angal, PhD**
Assistant Professor

**Clinical Promotion**

**Carl Galloway, MD**
Clinical Professor
Teaching & Education

Together, the pediatric department helped train 17 pediatric residents, 154 medical students, 14 graduate students and 18 undergraduate students during the 2022-23 academic year. They also supported each other through mentorship.

Mentoring Programs

Resident Team Mentoring

The Pediatric Resident Team Mentoring Program was implemented by Dr. Lesta Whalen, Vice Chair, and provides a structure and process, supplementing existing efforts and programs within the department, to provide assistance and to motivate residents and faculty to realize their full potential in scholarship, education, clinical care, and research. The teams are structured with a resident from each training year (PGY 1-3), and a junior, mid, and senior faculty member. The teams will participate in quarterly meetings to discuss core values, tools for success in clinical practice, achieving success in work and personal life, professional development desires, how to advance or get promoted, and provide general support to each other.

Mentoring Teams

**Germ**
- Halle Randall, MD, PGY1
- Mohammad Alzoubaidi, MD, PGY2
- Sara Free, MD, Junior Faculty
- Gokhan Olgun, MD, Mid Faculty
- Elizabeth Peck, MD, Senior Faculty
- Melissa Jensen, MD, Senior Faculty

**Pill**
- Sruti Kalla, MD, PGY1
- Amna Saeed, MD, PGY2
- Stuart Kinsey, DO, PGY3
- Catherine Nelson, DO, Junior Faculty
- Daniel Mark, MD, Mid Faculty
- Jody Huber, MD, Senior Faculty

**Saline**
- Ashley Strube, DO, PGY1
- Patrizia Scali, MD, PGY2
- Divya Thekkethala Winioich, MD, PGY3
- Jordan Fritch-Hanson, MD, Junior Faculty
- Ashley Sandeen, DO, Mid Faculty
- Michelle Van Beek, MD, Senior Faculty

**Stethoscope**
- Srikrishna Palamalapati Thimma Reddy, MD, PGY1
- Megan McCulloch, MD, PGY2
- Rebecca Mabee, MD, PGY3
- Rachel Li, MD, Junior Faculty
- Jennifer Reed, MD, Mid Faculty
- William Waltz, MD, PhD, Senior Faculty

Faculty Mentoring

The Faculty Mentoring Program was reinvigorated by Dr. Lesta Whalen, Vice Chair. The year-long program involves six sessions with pre-determined topics to discuss for mentor-mentee pairings with the ultimate goal of developing a path for success and a mentoring network for each participant. New and junior faculty are provided the opportunity to be paired with a mentor who possesses the skills that would complement their career path along with providing wellness support. This year’s mentoring teams attended the Faculty Mentoring Kickoff event on June 21, 2023 at Roam Kitchen and Bar.

Mentoring Teams

**MENTOR**

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<th>Dr. Jennifer Reed, MD</th>
<th>Sara Free, MD</th>
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Research Faculty Mentorship & Teaching Activities

Our research faculty are especially talented teachers and mentors. The department’s academic researchers mentored 14 graduate students, offered two graduate courses, and gave countless undergraduates and medical students research and scholarly opportunities. Dr. Lance Lee organizes two USD SSOM BBS courses and all faculty at Sanford Research participate in Ethics in Research, Data Club, and formal Seminar Series to give graduate students the tools they need to succeed in academia and research. Faculty advise and mentor students at every level of training in basic, translational, clinical, and population health research. The National Science Foundation (NSF)-funded Sanford PROMISE and SPUR programs offer high-school and undergraduate students interested in scientific careers an opportunity to work in labs and build research and presentation skills over a 10-week period.

Mentor/Advisor for Undergraduates

Francisco Bustos, PhD
Sydney Biever, SPUR Program 2022, Studying the Function of USP27X in Pluripotent Stem Cells

Arielle Deutsch, PhD
Edward Chau (University of St Louis), NIDA grant
Nikki Motabar (UC Santa Barbara), NIDA grant
Foster Murphey (DePaul University), NIDA grant

Kevin Francis, PhD
Amelia Lawver, SPUR Program, Defining the impact of sterol biochemistry on lipid droplet biology
Vanessa Vaudrey (Augustana), Development of new mouse models for the study of Smith-Lemli-Opitz syndrome

Lance Lee, PhD
Jack Anderson, SPUR Program (R25) 2023, Validating Cell Number Differences in the Airway Ciliary Microenvironment of Mouse Models with PCD

Mary Helms, SPUR Program (R25) 2023, Using Live Imaging to Analyze Protein Trafficking in Mammalian Primary Cilia
Reesa Wilcox, SPUR Program (REU) 2023, Differentially Expressed Genes in Motile Ciliated Cells with Cilia Dysfunction
Kameron Brooks, SPUR Program (REU) 2022, Analysis of protein trafficking in mammalian motile cilia using live imaging
Kathryn Rosa, SPUR Program (R25) 2022, Differentiation of Cell Types in the Airway Ciliary Microenvironment of PCD Mouse Models

Abdelhalim Loukil, PhD
Catrina Tounjian, SPUR Program

Lacy McCormack, PhD
Natalie Keller (Oklahoma), Maternal health factors and BF among PASS-ECHO participants

Thayne Munce, PhD
Allison Peplowski, Sleep Symptomology and Concussion Recovery in Collegiate Athletes

Louis-Jan Pilaz, PhD
Jessica Howard, SPUR Program

Kyle Roux, PhD
Grace Schavee, SPUR Program (REU), Role of bioenergetics in regulating nucleocytoplasmic transport

Kameswaran Surendran, PhD
Madison Stroud, SPUR Program Summer 2023, Determining the Involvement of Notch Signaling Via Hes1 in the Response of Principal Cells of the Kidney to Aldosterone

Jianning Tao, PhD
Christian Guerrero, SPUR Program, Preclinical Model of Lateral Meningocele Syndrome project
Austyn Smithback, SPUR Program, Rhabdomyosarcoma project
Mentor/Advisor for Graduate Students

**Michelle Baack, MD**
Kyle Siemens, USD SSOM MD/PhD Program,
Mitochondrial function and differential fatty acid processing by human trophoblasts
Abigail Varsho-Klein, USD SSOM BBS PhD Program,
Peri-ovulatory Co-Q10 to prevent oxidative stress and improve pre-implantation embryo quality

**Francisco Bustos, PhD**
Allison Hoefakker, Sanford Research PhD Program,
Uncovering novel RNF12-driven IncRNA functions in pluripotent cells

**Indra Chandrasekar, PhD**
Alicia Simmons, USD BBS PhD Program, Thesis Committee Member
Brook Busselman, USD BBS PhD Program, Thesis Mentor
Rhianon Sears, USD BBS PhD Program, Thesis Committee Member

**Arielle Deutsch, PhD**
Minga Vargas, USD School of Public Health, Paper Project

**Michael Karea, PhD**
Jillian Stamp, USD SSOM MD/PhD Program

**Lacey McCormack, PhD**
Alexis Osei-Kofi, RISE-UP, Infant feeding practices and child BMI

**Kyle Roux, PhD**
Allison Hoefakker, BBS PhD, Bioenergetics, RanGTPase and nuclear transport

**Kameswaran Surendran, PhD**
Alicia Simmons, USD DBBS, Molecular regulators kidney collecting duct development and maintenance

Mentor/Advisor for Medical Students

**Kathryn Anderson, MD**
Marlee Jones & Lauren Ochoa, LEND program; project: A retrospective cohort study to evaluate swallow study use in the NICU population

**Michelle Baack, MD**
Nadya Ekhterae Sanaae, Generational echocardiographic findings following in utero exposure to late-gestation diabetes and maternal high-fat diet
Ross Lanier, Effect of maternal high fat diet on preimplantation embryos
Eli J Louwagie, Mitochondrial roles in developmentally programmed heart disease
Kirsten Sawtelle, Decreasing vaccine hesitancy through immunization acceptance strategies in a pediatric clinic

**Kevin Francis, PhD**
David Melanson, Defining the impact of cholesterol biosynthesis on neural cell fate

**Carl Galloway, MD**
Hunter O’Connor, Pyoderma Gangrenosum

**Kurt Griffin, MD**
Brenda Orozco, Analysis of patient-level data from completed T1D clinical trials to assess impact of pre-test glycemic patterns on mixed meal tolerance test results
NIH-funded T35 Child Health Innovative Research Program (CHIRP)

**Christine Hockett, PhD**
Andrew Holmes, 2023 AOA Carolyn L. Kuckein Student Research Fellowship
Eric Jaton, Rural Health
Narysse Nicolet, PATHWAYS
Jena Preszler, Maternal Health
Nicole Rogers, Maternal Health
Kaihlen Smith, RMOMS

**DenYelle Kenyon, PhD**
Andrew Nerland, Developing Program Infrastructure for Effective Cultural Immersion in Medical School
Jazmin Newton, Tanning bed usage in University Students, Co-lead
Rachel Sestak, Comparing green space type and area to pediatric obesity rates in metropolitan areas using geospatial analysis and machine learning
Mariah Shafer, Exploration of the Clinical Consequences of Inadequate Menstrual Hygiene Management in South Dakota

**Peter Paul Lim, MD**
Anthony Drazick, Raoultella planticola UTI case report
David Jensen, Raoultella planticola UTI case report
Katie Nielson, Influenza cerebellitis case report
Amanda Ricke, Eczema herpeticum case report and review of literature
Maeghan Sievers, Influenza cerebellitis case report

**Thayne Munce, PhD**
Colton Carlson, Head Impacts in Rodeo Athletes
Jonathan Gubbrud, Youth Football Parent Survey
Mathew Pohlmann, Collegiate Basketball Readiness and Recovery Study
Meaghan Sievers, Intrinsic and Extrinsic Characteristics of Play Associated with Head Impact Exposure During Tackling in Youth Football
Sara Pepper, MD
Kirsten Sawtelle,
Reducing Perception of Pain during Vaccinations

Suzanne Reuter, MD
Jamuna Buchanan,
Congenital CMV in the Neonate: A Primer
Tiffany Johnson,
Congenital CMV in the Neonate: A Primer
Madison McLaury,
Intranasal Versed Use in the NICU
Andrew Reuter, Intranasal Versed Use in the NICU

Baiba Steinbrekera, MD
Lauren Ochoa, A retrospective cohort study to evaluate swallow study use in the NICU population
Marlee Jones, A retrospective cohort study to evaluate swallow study use in the NICU population

Maria Talavera-Barber, DO
Amrita Bhagia, Congenital syphilis case report
Kevin Richard Feldhaus, NICU nutrition QI project
Narysse Nicolet, Congenital syphilis case report
Megan Jae Wattenhofer, Congenital syphilis case report

April Willman, MD
Kirsten Sawtelle, Improving the Vaccine Experience

Mentor/Advisor for Post-Doctoral Fellows or Early Career Faculty

Indra Chandrasekar, PhD
Karla Otterpohl, PhD

Kevin Francis, PhD
Sonali Sengupta, PhD
Jazmine Yaeger, PhD

Michael Kareta, PhD
Robert Szczepaniak Sloane, PhD

Abdelhalim Loukil, PhD
Karama Hamdi, PhD

Ikuo Masuho, PhD
Ryoji Kise, PhD
Ryosuke Tanii, PhD

Kyle Roux, PhD
Francisco Bustos, PhD
Charles Halfmann, PhD
Abdelhalim Loukil, PhD
Ikuo Masuho, PhD
Kurt Warnhoff, PhD

Kameswaran Surendran, PhD
Ayesha Anwer, PhD

Other

Michelle Baack, MD
Lilia Christner (University of Michigan), MSPR career mentor, MSIV and Pediatric Resident

Louis-Jan Pilaz, PhD
Elizabeth Aaseng, Brandon Valley High school Internship Program
Arthur Tao, Sanford Promise Scholar Program

USD BBS Dissertation Committee

Michelle Baack, MD
Indra Chandrasekar, PhD
Kevin Francis, PhD
DenYelle Kenyon, PhD
Michael Kareta, PhD
Lance Lee, PhD
Kyle Roux, PhD
Kameswaran Surendran, PhD
Pediatric Clerkship

Dr. Olcott and the Pediatric LIC advisors and coordinators at each campus lead our medical school pediatric curriculum with support of Ms. Angie Tuffs who coordinates education, clinical rotation directors and the department’s multi-campus Undergraduate Medical Education (UME) committee. Our clinical faculty provided Pillar 2 and Pillar 3 students more than 2,500 pediatric care days across all campuses including Yankton, Rapid City, and Sioux Falls. USD SSOM students at every campus have opportunities to learn pediatrics from general and subspecialty practices during inpatient and outpatient experiences. The UME committee was instrumental in creating the Pediatric Topic of the Month series. Committee members used LCGME and ABP board objectives and Pediatrics in Review articles to create up-to-date self-study modules for high yield pediatric-related topics. A new “Topic” is sent out at the beginning of each month followed by a didactic board review session at the end of the month to solidify knowledge. The case-based, rapid-fire review sessions are built and presented by a team that includes a medical student, resident, and faculty member. This reinforces learning through teaching and connects trainees with a “pediatric content expert”. Rotating “Topics” are not only beneficial for board preparation, but also encourage evidence-based care and updated knowledge for faculty participating in ABP maintenance of certification assessments (MOCA Peds).

Clerkship Director Letter

The 2022-2023 academic year was another great year for Pediatrics which had 154 students rotate through various rotations. Overall, there were 80 Pillar 2 students and 39 Pillar 3 students who rotated through the Sioux Falls campuses, 25 Pillar 2 students at the Rapid City campus, and ten Pillar 2 students at the Yankton campus. This totaled 2,580 clinical training days in Pediatrics. Additionally, six visiting students completed rotations in Sioux Falls. In 2023, nine students matched into Pediatric Residencies including one USD SSOM graduate who matched to our own Pediatric Residency program at Sanford.

The Undergraduate Medical Education (UME) Committee met biannually to review the curriculum and develop educational strategies that ensure uniform pediatric training across all sites. The committee encourages equal input from all grade levels and campuses. The Pediatric Interest Group continues to be re-vitalized with a host of events, which all students are welcome to attend. Some highlights included an introduction to pediatrics with exam tips for all ages of patients, ‘a day in the life of a pediatrician’ event, vaccination panel and a post-match residency interviewing tips discussion. Sanford Children’s Specialty Clinic hosted a student, resident and faculty networking event at Great Shots and Avera Health hosted the Pediatric Interest Group at Vinyl Taco.

The greatest change for Pillar 2 students over the past year is that students assigned to the Avera Sioux Falls Campus were able to rotate through Avera for two weeks of inpatient experiences (ICE blocks). This means that all Pillar 2 students are able to stay at their assigned campus for their pediatric Pillar 2/LIC rotations. “Topic of the Month” self-study modules and didactic lectures continue to be a staple of the Pillar 2 curriculum. There has been strong attendance at the monthly didactic lectures, and notably, pediatrics has seen a 55% increase in “A” letter grades for students. We hope to see continued growth in this area. Other learning opportunities for both Pillar 2 and Pillar 3 students include resident boot camp, procedural simulations in the Perry Center, resident morning reports, and Pediatric Grand Rounds, just to name a few.

In terms of Pillar 3, many exciting additions are in the works. As noted in last year’s letter, there were four new electives and/or sub-internships offered at Avera this past academic year. This included NICU, pediatric neurology, pediatric GI, and pediatric hospitalist rotations. We are now working on five additional Pillar 3 rotations for this upcoming academic year. There will be a pediatric hospitalist sub-internship offered at Yankton, a Pediatric ACES and Trauma Informed Care elective that will be offered at all four campuses, a Pediatric Infectious Disease elective offered at Avera, a Pediatric Emergency Medicine elective at Sanford, and a Pediatrics Native American Health elective in Rosebud. It is thrilling to continue to expand the rotation options our students have during their Pillar 3 year!

Thank you for all you do to ensure the next generation of physicians is receiving the best possible education! Your time and effort does not go unnoticed.

Jessica Olcott, MD, FAAP
Department of Pediatrics Clerkship Director
Clinical Associate Professor
Meet the Team

Education Assistant

Angie Tuffs
USD Sanford School of Medicine

Pillar 2 LIC Advisors

Jessica Olcott, MD
Sanford

Sara Pepper, MD
Yankton

Samuel Schimelpfenig, MD
Avera

Maggie Kuehler, MD
Rapid City
Pillar 2 & 3 Rotation Directors

Ashley Sandeen, DO  
Sanford PICU Sub-I

Lauritz Meyer, MD  
Sanford NICU Sub-I, Neonatology

Maria Barber, DO  
Avera NICU Sub-I, Neonatology

Jessica Olcott, MD  
Sanford Hospitalist Sub-I, Hospital Elective

Nicole Poppinga, MD  
Avera Hospitalist Sub-I

Maggie Kuehler, MD  
Rapid City NICU & Hospitalist Sub-I, Pediatric Practice

April Willman, MD  
Yankton Pediatric Practice

TBD  
Rapid City Neonatology

Rachel Edelen, MD  
Rapid City Endocrinology

Shalome D’Souza, MD  
Sanford Neurology

Connie Taylor, MD  
Avera Neurology

Melissa Jensen, MD  
Sanford Gastroenterology

Sarah Cole, MD  
Avera Gastroenterology

Bill Waltz, MD  
Sanford Cardiology

All Pediatric Faculty, Mixed Outpatient, Research in Pediatrics I, & Research in Pediatrics II

KayeLyn Wagner, MD  
Sanford Hematology-Oncology

John Shelso, MD  
Sanford Endocrinology
Three Pillar Curriculum

Student Rotations

Pillar 1 – Integrated Basic Sciences / Clinical Foundations

Medical Foundations 1

Medical Foundations 2

Break

SM

NE

GI

BHL

Pillar 2 – Longitudinal Integrated Clerkship

CV

RU

RE

ER

Pillar 3 – Step 2 prep

SI

FM

SU

EM

Pillar 2 Rotations

Sioux Falls & FARM Campus

Mini block Weeks - Sanford Children’s

<table>
<thead>
<tr>
<th>Class</th>
<th>Campus</th>
<th>Students</th>
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<tbody>
<tr>
<td>2024</td>
<td>Avera &amp; Sanford</td>
<td>24</td>
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<tr>
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<td>FARM</td>
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ICE Weeks

<table>
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<th>Class</th>
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<tr>
<td>2025</td>
<td>Avera</td>
<td>8</td>
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<td>Sanford</td>
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Out-Patient Clinic Rotations

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<tr>
<td>2024</td>
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<td>16</td>
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<td>2025</td>
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<td></td>
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Pillar 2 (12 months)

Students participate in seven core clerkships through longitudinal integrated ambulatory experiences interleaved with hospital-based education, formal didactics, and a focused rural family medicine block experience. Students are located on one of three clinical campuses – Rapid City, Sioux Falls, and Yankton – and in rural communities across the state through the Frontier and Rural Medicine (FARM) Program. The first semester of Pillar 2 is graded pass-fail, while the 2nd semester of Pillar 2 introduces letter grades to allow students to begin to distinguish themselves.

Pillar 3 (16 months)

All students complete selected required rotations including two surgery sub-specialty experiences, an emergency medicine rotation and an acting internship (sub-internship). Students will also participate in a capstone rural family medicine experience during this phase of the curriculum. The remainder of this time students have the flexibility to pursue elective rotations, research, away rotations and global health experiences. Students can also select from a variety of courses on medical ethics, medical humanities and health policy. Grading in this phase of the curriculum is based on letter grades. A transition to residency course and a professional development course serve as the final requirements in the M.D. program.

Yankton Campus

<table>
<thead>
<tr>
<th>Class</th>
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<th>Full Day Rotations</th>
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<tbody>
<tr>
<td>2024</td>
<td>10</td>
<td>141</td>
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<td>2025</td>
<td>10</td>
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Rapid City Campus

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<tr>
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<td>2025</td>
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Pillar 3 Rotations

<table>
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<tr>
<th>Class</th>
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# Topic of the Month
Didactic Lecture Series

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Presenter Team</th>
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| July 29, 2022   | Well Child, Development & Vaccines | Resident: Ashlesha Bagwe, MD  
|                 |                                    | Student: Kirsten Kim Sawtelle, Pillar 2  
|                 |                                    | Content Expert: Jennifer Haggar, MD |
| August 26, 2022 | Newborn Care                       | Resident: Nicole Zimmerman, MD  
|                 |                                    | Student: Maya Gogoi, Pillar 3  
|                 |                                    | Content Expert: Katie Anderson, MD |
| September 30, 2022 | Genetics                           | Resident: Rebecca Mabee, MD  
|                 |                                    | Student: Maya Gogoi, Pillar 3  
|                 |                                    | Content Expert: Isum Ward, MD |
| October 28, 2022 | Neurology                          | Resident: Kyle Baum, DO  
|                 |                                    | Student: Halle Randall, Pillar 3  
|                 |                                    | Content Expert: Connie Taylor, MD |
| November 18, 2022 | Dermatology                        | Resident: Michael Naegle, MD  
|                 |                                    | Student: Jazmin Newton, Pillar 3  
|                 |                                    | Content Expert: Ana Sonstegard, MD |
| January 4, 2023 | Endocrinology                      | Resident: Di Di Thekkethala, MD  
|                 |                                    | Student Michael Nelson, Pillar 2  
|                 |                                    | Content Expert: Ben Haog, MD |
| January 20, 2023 | Pediatric Emergency Medicine       | Resident: Sam Hagman, DO  
|                 |                                    | Student: Justin Egge, Pillar 3  
|                 |                                    | Content Expert: Don Ellis, MD |
| February 17, 2023 | MOCA Peds                          | Resident: Ana Nevarez Gilbert, MD  
|                 |                                    | Student: Tony Restaino, Pillar 2  
|                 |                                    | Content Expert: Sara Free, MD |
| March 31, 2023  | Gastroenterology                   | Resident: Shehbeet Mangat, MD  
|                 |                                    | Student: Katie Nielson, Pillar 3  
|                 |                                    | Content Expert: Brock Doubledeee, DO |
| April 28, 2023  | Cardiology                         | Resident: Hayley Shackleford, MD  
|                 |                                    | Student: Emily Petersen, Pillar 2  
|                 |                                    | Content Experts: Nofil Arain, MD & Bill Waltz, MD |
| May 26, 2023    | Orthopedics                        | Resident: Ariane Moffett, DO  
|                 |                                    | Student: Andrew Reuter, Pillar 2  
|                 |                                    | Content Expert: Geoff Haft, MD |
| June 23, 2023   | Hematology/Oncology                | Resident: Skyler Kinsey, DO  
|                 |                                    | Student: Brenden Van Der Werff, Pillar 3  
|                 |                                    | Content Expert: Jordan Fritch-Hanson, MD |
Pediatrics Interest Group

Leadership Team

2022
Halle Randall, Co-President, Pillar 3
Benji Waletzko, Co-President, Pillar 3
Meghan Grassel, Coordinator, Pillar 2
Jazmin Newton, Coordinator, Pillar 2
Katie Nielson, Coordinator, Pillar 1
Gulsah Olgun, MD, Faculty Advisor

2023
Kirsten Sawtelle, Co-President, Pillar 3
Jamuna Buchanan, Co-Coordinator Sioux Falls, Pillar 3
Emily Petersen, Co-President, Pillar 2
Gaven Bowman, Coordinator FARM, Pillar 2
Gulsah Olgun, MD, Faculty Advisor

Events

July 13, 2022
Skills Night – IO Placement
Avera Sacred Heart
Yankton, SD

August 22, 2022
Networking Event
Great Shots
Sioux Falls, SD

September 7, 2022
Allergy: Benadryl is Obsolete & Other Pet Peeves
Presented by Dr. David Stukus at Nationwide Children's
Zoom

November 17, 2022
Newborn/Toddler Exam Night
Avera Sacred Heart
Yankton, SD

January 4, 2023
Vaccine Hesitancy Panel
Co-hosted by the Peds and Infectious Disease Interest
Groups
Zoom

April 18, 2023
Post-Match Panel with the CO2023
Zoom
Students Matched in Pediatrics

Last year, nine medical students successfully matched to pediatric residency programs. This growth is partially attributed to a revitalization of the curriculum under new direction from our Clerkship Director, Dr. Jessica Olcott, and from the enthusiasm of the Pediatric Interest Group led by Halle Randall under advisory by Dr. April Willman (Yankton) and Dr. Gulsah Olgun (Sioux Falls). The student-led group organized events including A ‘day in the life of a pediatrician,’ a ‘post-match day panel discussion,’ newborn exams, interosseous and lumbar puncture skills training, and a Sanford Children’s Specialty Clinic networking event at Great Shots.

In-State

Halle Randall
University of South Dakota, Sanford School of Medicine, Sanford Children’s Hospital
Sioux Falls, SD

Out-of-State

Amber Veldman
Phoenix Children’s Hospital
Phoenix, AZ

Justin Egge
Medical College of Wisconsin, Affiliated Hospital
Milwaukee, WI

Ruthellen Anderson
University of Iowa Health Care, Carver College of Medicine, Hospital & Clinics
Iowa City, IA

Ariadne Trautman
Medical College of Wisconsin, Affiliated Hospital
Milwaukee, WI

Maya Gogoi
University of Iowa Health Care, Carver College of Medicine, Hospital & Clinics
Iowa City, IA

Megan Goldammer
University of Florida, College of Medicine, UF Health Shands Children’s Hospital
Gainesville, FL

Chase Habben
Mayo Clinic College of Medicine and Science
Rochester, MN

Megan Torve
Saint Louis University, School of Medicine
St. Louis, MO
Pediatric Residency

The Pediatric Residency is in its 13th year and graduated its 10th class in May of 2023. The Sanford sponsored program is led by Program Director, Dr. Jessica White, along with USD SSOM Dean of GME (Dr. Nedd Brown), Assistant Program Directors (Drs. KayeLyn Wagner, Ashley Sandeen and Jennifer Haggar) and the Program Coordinator (Ms. Megan Quandt). Co-chief residents, Drs. Ana Nevarez Gilbert and Ashlesha Bagwe joined Drs. Kyle Baum and Shehbeet Mangat in transitioning to pediatric sub-specialty fellowships. Drs. Nicole Zimmerman and Ariane Moffett transitioned to general pediatric practices. Clinical faculty gave an impressive number of didactic lectures and routinely participated in Pediatric Residency activities at Sanford including morning report, noon lecture series, pediatric journal club, procedural boot camp, and simulation training including mock codes, neonatal resuscitation, pediatric advanced life support, extracorporeal membrane oxygenation (ECMO) management and crucial conversations training. This fall, the program successfully recruited 6 new residents, all of whom joined the department as clinical instructors. Our residents are valuable department members who teach and serve on USD SSOM, state or regional committees. Their QI and research projects are routinely presented at regional and national scientific conferences.

Residency Director Letter

The USD Pediatric Residency Program is now 13 years old. Over this time, we have graduated 58 pediatricians. Fourteen of these individuals now practice in South Dakota, eight individuals practice in North Dakota, and six individuals practice or are pursuing fellowship training in Minnesota. An additional eight individuals have chosen to remain in the Midwest (Iowa, Missouri, Nebraska, or Kansas).

Program Accomplishments 2022-2023

- Seven residents graduated during the 2022-2023 academic year.
  - Four graduates are pursuing subspecialty training. Subspecialties and location for fellowship training for those graduates are:
    - Neonatal-Perinatal Medicine Fellowship (Iowa City, IA)
    - Pediatric Endocrinology (Iowa City, IA)
    - Pediatric Gastroenterology (St. Louis, MO)
    - Pediatric Pulmonology (Baylor University)
  - Three graduates will practice outpatient general pediatrics. Practice locations for those graduates are:
    - Sanford Health in Sioux Falls, SD (2 individuals)
    - Altru Health in Grand Forks, ND

- In March 2023, the program received notification of continued accreditation.
- During the academic year 2022-2023, the USD Sanford Pediatric Residency Program matched six categorical residents who will begin training in June 2023.
- There are six residents in the candidate class of the 2023-2024 academic year. Career plans for these residents include:
  - General Pediatrics Hospital Medicine with Avera Health, Sioux Falls, SD
  - Outpatient general pediatrics (SD)
  - Combined inpatient/outpatient general pediatrics (location TBD)
  - Pursuit of fellowship opportunities (Pediatric Emergency Medicine or Neonatal-Perinatal Medicine)

Planned initiatives for 2023-2024

- The USD Pediatric Residency program signed a program letter of agreement and contract with the University of Minnesota, Minneapolis, MN, to enhance resident training in Adolescent Medicine.
- During the 2022-2023 academic year, the program formed a Board Preparation Committee composed of faculty and resident representatives. This committee updated recommendations and requirements for resident board preparation and resident-led board review sessions that went into effect in July 2023.
- New opportunities for residents in the 2023-2024 academic year will include elective rotations in global health, rural health, and with the Indian Health Service.
- An additional continuity clinic location was added in July 2023 at the 26th/Sycamore Pediatrics Clinic. The residency welcomes Dr. Jennifer Haggar (Associate Program Director) and three additional faculty members (Drs. Elizabeth Bauer, Julia Blue, and Michelle Schimpf) to their new roles as resident supervisors at this clinic.
- ACGME Pediatric Program Requirements are under revision and anticipated to go into effect in 2025.

Jessica White, MD
Department of Pediatrics
Residency Program Director
Associate Professor
Meet the Team

Associate Program Directors

KayeLyn Wagner, MD, MME
Pediatric Oncology

Jennifer Haggar, MD
Pediatric Care

Ashley Sandeen, DO
Pediatric Intensive Care

Program Coordinator

Megan Quandt, BA, MBA
Sanford Children’s Hospital

Rotation Directors

Kathryn Anderson, MD
NICU

Michelle Baack, MD
Research

Shalome D’Souza, MD
Neurology

Jared Daniel, MD
Orthopedics

Brock Doubledee, DO
Gastroenterology

Donald Ellis, MD
ER

Marcus Frohm, MD
Dermatology

Brooke Jones, MD
Child Abuse & Community Medicine

Vishnu Kanala, MD
Inpatient

Carolyn Kippes, MD
Behavioral and Developmental

Santiago Lopez, MD
Infectious Disease

Edward Mailloux, MD
Acute Illness

Daniel Mark, MD
Palliative Care

Patrick Munson, MD
ENT
Candice Nelson, MD
Adolescent & Continuity Clinic

Gokhan Olgun, MD
Procedures

Gulsah Olgun, MD
Newborn

Ashley Sandeen, DO
PICU

John Sanders, MD
Nephrology

John Shelso, MD
Endocrinology

Maclean Smith, MD
Allergy & Immunology

Geoffrey Tufty, MD
Ophthalmology

Tamara Vik, MD
Mental Health

KayeLyn Wagner, MD
Hematology-Oncology

Bill Waltz, MD
Cardiology

D. Isum Ward, MD
Genetics

Laura Whittington, DO
New Child
Meet the Residents

PGY1

Mohammad Alzoubaidi, MD
Jordan University of Science and Technology Faculty of Medicine, Al Ramtha, Irbid, Jordan

Sowmya Kruttiventi, MD
Coimbatore Medical College, Coimbatore, India

Megan McCulloch, MD
University of Kansas School of Medicine, Kansas City, KS

Pradeeksha Mukuntharaj, MD
Government Medical College Akola, Akola, India

Amna Saeed, MD
Aga Khan University Medical College, Karachi, Pakistan

Patrizia Scali, MD
University of Milan-Bicocca Faculty of Medicine and Surgery, Monza, Italy

PGY2

Skyler Kinsey, DO
A.T. Still University Kirksville College of Osteopathic Medicine, Kirksville, MO

Rebecca Mabee, MD
University of South Dakota Sanford School of Medicine, Vermillion, SD

Michael Naegle, MD
University of Utah School of Medicine, Salt Lake City, UT

Hayley Shackleford, MD
Ohio State University College of Medicine and Public Health, Columbus, OH

Didi Thekkethala Winovich, MD
Oregon Health and Science University School of Medicine, Portland, OR
Wellness

- Operation “USD Peds Team Positivity!” continues to recognize and lift up residents.
- Dr. Kyle Baum led “Operation Team Positivity”.
- Dr. Ashley Sandeen (Associate Program Director) is collaborating with the USD GME team to create a wellness curriculum for all USD residents.

Quality Improvement Projects

Mohammad Alzoubaidi, MD
Address hypoglycemia in the neonatal intensive care with Dr. Benjamin Houg

Ashlesha Bagwe, MD
Patients with newly diagnosed inflammatory bowel disease with Dr. Melissa Jensen

Samuel Hagman, DO
Pediatrics & Hospitalist
Avera McKennan Hospital & University Health Center, Sioux Falls, SD

Shehbeet Mangat, MD
Pulmonology Fellowship
Baylor College of Medicine, Houston, TX

Ana Nevarez Gilbert, MD
Chief Resident
Neonatology Fellowship
University of Iowa, Iowa City, IA

Sowmya Kruttiventi, MD
Develop guidelines for frenulotomy with Dr. Suzanne Reuter

Rebecca Mabee, MD
Evaluating the use of intranasal versed

Megan McCulloch, MD
Improve in care in early onset sepsis
Ariane Moffett, DO & Nicole Zimmerman, MD
Update developmental milestones for EPIC with Dr. Jennifer Haggar

Pradeeksha Mukuntharaj, MD
Address incorporation of new guidelines for management of hyperbilirubinemia with Dr. Jackie Grev, Dr. Jessica White, and others

Michael Naegle, MD
Addressing gun safety with Dr. Jennifer Haggar

Skyler Kinsey, DO & Megan McCulloch, MD
Increasing catch-up immunization rates in hospitalized patients with Amanda Hurst, PharmD

Patrizia Scali, MD
Pediatric Inpatient/ED Overdose Admission Algorithm with Dr. Gokhan Olgun

Didi Thekkethala Winovich, MD
Pediatric Inpatient/ED Overdose Admission Algorithm with Dr. Gokhan Olgun

Research Participation

Ashlesha Bagwe, MD
Retrospective chart review of Hospitalized COVID-19 Cases and MIS-C cases in the Sanford Enterprise from 2020 to 2021 with Dr. Santiago Lopez Neonatal CoVID Follow up with Dr. Stephen Messier

Kyle Baum, DO
Evaluating seroprevalence of SARS-CoV-2 in the general pediatric population with Dr. Kurt Griffin

Ana Nevarez Gilbert, MD
SONPM COVID-19 Neonatal Data Registry and local follow-up study with Dr. Michelle Baack
Case report with Dr. Elizabeth Peck

Samuel Hagman, DO
Corticosteroid use and adrenal suppression risk in very low birth weight (VLBW) neonates with Dr. Michelle Baack
Hepatitis C testing with Dr. Stephen Messier
Down Syndrome Guidelines with Dr. Candice Nelson

Sowmya Kruttiventi, MD
Leptin and inflammation markers in cord blood of infants born to diabetic or obese mothers
Frenotomy Guidelines in the NICU and NBN with Dr. Suzanne Reuter

Rebecca Mabee, MD
Placental Lipid Processing in the Setting of Diet- Controlled Gestational Diabetes with Dr. Michelle Baack

Shehbeet Mangat, MD
Influence of respiratory management and fluid status during the first week of life on bronchopulmonary dysplasia in preterm infants with Dr. Baiba Steinbrekera

Pradeeksha Mukuntharaj, MD
Congenital CMV in the Neonate - A Primer with Dr. Suzanne Reuter

Hayley Shackleford, MD
Examining developmental differences in myocardial mitochondrial networks in offspring born to diabetic mothers in the Baack Lab
3D reconstruction of mitochondrial reticulum development with Dr. Ayyappan Prathapan

Pending Manuscripts


Special Training

Dr. Rebecca Mabee and Ana Nevarez Gilbert along with Dr. Suzanne Reuter participated in training to become educators for “Helping Babies Breathe”, a program to ensure health care workers in limited-resource settings have the necessary skills and competencies to provide life-saving care to newborns after birth.
Pediatric Faculty Development & Other Teaching

Faculty Development Series Presentations

The department is dedicated to fostering professional and personal growth of its members through a quarterly faculty development series.

September 8, 2022
Practical Tips for Teaching Adult Learners
Jody Huber, MD, Sanford Children’s Hospital
KayeLyn Wagner, MD, Sanford Children’s Specialty Clinic

December 1, 2022
Educational R.E.M. Day: Revitalizing Educational Modules for Increased Audience Engagement
Traci Wolbrink, MD, Boston Children’s Hospital

February 2, 2023
Diversity, Equity, and Inclusion: Making Connections through our Social Identities
Kyle Siemmers, USD SSOM MD/PhD Program
Den’Yelle Kenyon, PhD, USD and USD SSOM

May 4, 2023
Diversity, Equity, and Inclusion: More than the sum of our parts: Intersectionality in Medicine
Kyle Siemmers, USD SSOM MD/PhD Program
Den’Yelle Kenyon, PhD, USD and USD SSOM

Grand Rounds Presentations

The Grand Rounds Committee continues to coordinate numerous learning opportunities for faculty and residents throughout the year.

July 28, 2022
Clinical Controversies and Ethical Dilemmas Surrounding Brain Death
Lesta Whalen, MD

August 25, 2022
Stigmatizing Language in Medical Records
Connie Taylor, MD
Den’Yelle Kenyon, PhD

September 22, 2022
‘Epidemic’ Of Obesity in the Pediatric Population and a Review of Nonalcoholic Fatty Liver Disease
Ashlesha Bagwe, MD

October 13, 2022
Consequences of Exposure to Maternal Diabetes on Puberty and Adiposity
Christy Hockett, PhD

October 27, 2022
Reemergence of the Eradicated: Vaccine History and Common Presentations of Vaccine-Preventable Diseases
Nicole Zimmerman, MD

December 8, 2022
Racism in Medicine: A History?
Dan Boadwine, MD

January 12, 2023
Hep C (HCV) in the Pediatric Population
Sam Hagman, DO

February 9, 2023
New Developmental Milestones in Peds
Jennifer Haggar, MD

February 23, 2023
Guest Virtual Speaker
Asthma and Allergy Interventions
Matt Perzanowski, PhD, Associate Professor of Environmental Health Sciences, Columbia University

March 2, 2023
Department of Family Medicine & Pediatrics Joint Presentation
Improved Best Practices for Routine HPV Vaccinations
Immunize South Dakota

March 9, 2023
Breaking Barriers, Building Bridges
Kyle Baum, DO

April 6, 2023
A Healthy Smile is Just the Beginning: Comprehensive Care of Oral Facial Clefts
Ana Nevarez Gilbert, MD

April 13, 2023
T. Denny Sanford Distinguished Lecturer
Pediatric Research & Scholarship Day: Advances in Rare Disease Diagnosis and Treatment: Learning from your patients
Gerard Vockley, MD, University of Pittsburgh Medical Center

April 27, 2023
Diet, Food Security, and the Rural Food Environment
Lacey McCormack, PhD
May 11, 2023
Vaping, E-Cigarette Use in the Pediatric Population and Acute Lung Injury
Shehbeet Mangat, MD

May 25, 2023
Sport-Related Concussion: Scientific Advancements in Clinical Management
Thayne Munce, PhD

June 8, 2023
From Hopscotch to TikTok: Social Media and its Effects on Our Youth
Ariane Moffett, DO

Didactic Lectures & Other Teaching Activities

BLS, PALS, NRP or APLS Instructor
Craig Crismon, MD
Adam Dell, MD
Jacqueline Grev, MD
Jody Huber, MD
Lisa Lubbers, CNP
Stephen Messier, MD
Debra Nearman, NNP
Amanda O’Neil, APRN, CNP
Charisse Ortman Brockmueller, APRN, CNP
Laurie Richards, MD
Jessica White, MD
April Willman, MD

Clinical Correlation Lectures, Pillar 1
April Willman, MD

Tonya Adamiak, MD
Esophageal Disorders
Vomiting

Palmer Alicia, MD
Pediatric Exam - Rapid City x2

Michelle Baack, MD
USD CP762, BBS Developmental Biology of Disease: Effect of Diet on Early Development

Francisco Bustos, PhD
Ubiquitin System in Disease. CP762 Developmental Biology of Disease

Arielle Deutsch, PhD
The multiple roles of health practitioners in translational research: Being a good research consumer - University of South Dakota Sanford School of Medicine Resident Education Series, August 1, 2022

Don Ellis, MD
Anaphylaxis
EBM Approach to Pediatric Seizures
Introduction to Pediatric Trauma

Sara Free, MD
Anticipatory Guidance Focus on Safety Enuresis

Carl Galloway, MD
Fluids and Electrolytes
Handoffs and Communication
Urinary Tract Infections

Jacquelyn Grev, MD
Persistent Pulmonary Hypertension and Meconium Aspiration Syndrome, USD-Pediatric Residency Noon lecture (12/5/22)
Neonatal Hypoxic Ischemic Encephalopathy, USD-Pediatric Residency Noon lecture (2/27/23)

Jennifer Haggar, MD
ADHD Diagnosis
ADHD Treatment
Firearm Safety
Mood Disorders Treatment

Leah Heidenreich, MD
Breastfeeding Basics, Resident Noon Conference

Jody Huber, MD
Shock; August 2022
Altered Mental Status; November 2022

Marni Johnson-Martin, AuD
FAMP 540: Interdisciplinary Health Care Teams

DenVelle Kenyon, PhD
1st Year Medical Students Topic: Social Identity Workshop – small groups (part 2) Lead presenter: Siemers (4/4/23, 4/12/23, 4/18/23)
1st Year Medical Students Topic: Implicit Bias (2/14/23)
The University of Minnesota – Duluth HLTH: 3000: Community Health Methods Topic: My Journey with South Dakota Urban Indian Health (1/23/23)
The University of South Dakota Psychiatry Residents Topic: Diversity, Equity, Inclusion in the Medical Setting (1/18/23)
The University of South Dakota 3rd Year Medical Students Topic: Health Disparities in Setting of Quality Improvement (11/16/22)
The University of South Dakota Undergraduate Honors 290 Topic: Health Outcomes and Disparities (10/6/22)
The University of South Dakota 3rd Year Medical Students Topic: Diversity and Inclusion: LGBTQ Health Co-presenters: Dilenschneider, Drappeau, S. Marty (9/30/22)
The University of South Dakota 3rd Year Medical Students Topic: Diversity and Inclusion: American Indian Case Studies & Upstander Training Co-presenter: Dilenschneider, Leader Charge, Drappeau (9/23/22)

The University of South Dakota 1st Year Medical Students Topic: Diversity, Social Determinants of Health, Bias Co-presenter: Drappeau, Leader Charge (8/10/22)

Carolyn Kippes, MD
Developmental Milestones for Genetic counseling students at Augustana, October 2022

Attila Kovacs, PhD
Lyosomal Storage Disorders, Molecular Mechanisms of Disease graduate course, Sioux Falls, April 19, 2023

Lance Lee, PhD
CPHD 762 (Molecular Mechanisms of Disease), USD DNA Replication and Repair in Disease I DNA Replication and Repair in Disease II Iron Metabolism in Disease Copper Metabolism in Disease Motile Cilia Disorders CPHD 763 (Developmental Biology of Disease), USD Early Development I Early Development II Early Development III Gastrointestinal Development and Disorders I Gastrointestinal Development and Disorders II Lung Development and Disorders I Lung Development and Disorders II Reproductive Development and Disorders Limb Development and Disorders I Limb Development and Disorders II Effect of Maternal Alcohol on Development Effect of Viruses on Development

Daniel Mark, MD
Communication Skills for Providers, Transition to Residency Course (3/20/23) Fundamental Aspects of Pediatric Palliative Care, USD Interdisciplinary Palliative Care Seminar (10/7/22)

Stephen Messier, MD
Educational material to residents on newborn screening Neonatal Respiratory Management Respiratory distress in the newborn

Eric Mittelstaedt, MD
Cardiac Emergencies, Sanford Children’s, June 2023

Candice Nelson, MD
Adolescent Medicine, Pediatric Residency, Children’s Hospital Coding Guidelines, Pediatric Residency, Children’s Hospital Developmental Milestones, Pediatric Residency, Children’s Hospital Health Supervision, Pediatric Residency, Children’s Hospital

Otitis Media, Pediatric Residency, Children’s Hospital

Gokhan Olson, MD
Upper Respiratory Tract Infections in Pediatric Intensive Care Unit, Sioux Falls, SD

Elizabeth Peck, MD
Eating disorder and refeeding syndrome, noon lecture

Kayli Reece, MD
Safety in the home, resident classroom (11/15/22) Screen time, resident classroom (5/30/23)

Suzanne Reuter, MD
Work-Life Integration for Resident Physicians

Laurie Richards, MD
Retinopathy of Prematurity, Pediatric Resident Noon Conference Total Parenteral Nutrition in the NICU, Pediatric Resident Noon Conference

Kyle Roux, PhD
Nuclear Envelope in Health and Disease, BBS/SDSU course Molecular Mechanisms of Disease, Sanford Research Protein Interactions, BBS/SDSU course Molecular Mechanisms of Disease, Sanford Research Protein Structure, BBS/SDSU course Molecular Mechanisms of Disease, Sanford Research

Samuel Schimelpfenig, MD
Chronic Fatigue in Athletes, Sanford Pediatric Residency Noon Conference Common Orthopedic Injuries in Pediatric Patients, Sanford Pediatric Residency Noon Conference Pediatric Elbow Injuries, Sanford Pediatric Residency Noon Conference Sports Physicals, Sanford Pediatric Residency Noon Conference Sports Related Concussion, Sanford Pediatric Residency Noon Conference

Maria Skorey, MD
Neural Tube Defects

Baiba Steinbrekera, MD
Calcium and Phosphorus in the NICU World. Pediatric Resident Noon Lecture Series

Kristin Stuive, DO
Reach Out and Read

Kameswaran Surendran, PhD
CPHD 762 Molecular Mechanisms of Disease, Signal Transduction in Disease I (Notch signaling) CPHD 763 Developmental Biology of Disease, Kidney Development & Disorders I CPHD 763 Developmental Biology of Disease, Kidney Development & Disorders II
Jianning Tao, PhD
Bone Development & Disorders I & II (Course code: USD: CPHD 763 and SDSU: CHEM 763)

Lesta Whalen, MD
Diabetic Ketoacidosis November 2022, Sanford Health
Traumatic Brain Injury May 2023, Sanford Health

Jessica White, MD
Neonatal Withdrawal (Escape Room), resident didactic lecture

April Willman, MD
Board review, Yankton, Part 1
Board review, Yankton, Part 2
Casting, Yankton Medical Clinic (5/25/23)
Pediatric Lumbar Puncture, Yankton (11/17/22)
Clinical Foundations 3, Intro to Peds H&P, Vermillion (9/8/22)
Pediatric IO placement, Yankton (7/22)

Patient-Based Learning (PBL) Cases - Pillar 1
Benson Hsu, MD

OSCE Examiner
Melissa Jensen, MD
Gulsah Olgun, MD
Halle Randall, MD

Simulation Training
Kathryn Anderson, MD
Michelle Baack, MD
Jacquelyn Grey, MD
Jennifer Haggar, MD
Jody Huber, MD
Lisa Lubbers, CNP
Stephen Messier, MD
Lauritz Meyer, MD
Catherine Nelson, DO
Jessica Olcott, MD
Gokhan Olgun, MD
Amanda O’Neil, APRN, CNP
Charisse Ortman Brockmueller, APRN, CNP
Laurie Richards, MD
Maria Skorey, MD
Lesta Whalen, MD
Jessica White, MD

Small Group/Journal Club
Michelle Baack, MD
Adam Dell, MD
Jody Huber, MD
Eric Mittelstaedt, MD

Triple Jump Exercises
Margaret Kuehler, MD
Gokhan Olgun, MD
Sara Pepper, MD
Samuel Schimelpfenig, MD
April Willman, MD
Innovation

The department of pediatrics is fortunate to have many academic faculty working in basic, translational, clinical, and population health research focused on advancing the future health of mothers, infants, and children in South Dakota, and beyond. Our academic researchers are increasingly recognized as leaders in their field. This is evident by their growing scholarly output which includes 91 publications, 64 grants, and 152 presentations (36 local, 41 regional, and 75 national or international). Innovation in the department was highlighted at the 9th annual Pediatric Research and Scholarship Day which hosted Dr. Gerard Vockley, Professor of Pediatrics and the Division Director of Genetic and Genomic Medicine at the University of Pittsburgh as the 2022 T. Denny Sanford Distinguished Lecturer. He discussed his internationally recognized work in the field of inborn errors of metabolism. The Research and Scholarship Day and abstract graders (Drs. Kevin Francis, Louis Jan Pilaz, Francisco Bustos, Christine Hockett, Lacey McCormack, Arielle Deutsch and Melissa Jensen) who selected 27 abstracts that were presented during the day. Congratulations to award winners in the categories of Best QI (Dr. Maria Talavera-Barber), Best Clinical or Translational Research (Dr. Anna Strahm), Best Case Study (Hunter O’Connor, MSIII, Amber Veldman, MSIV, and Dr. Carl Galloway), Best Basic Research by an Early Investigator (Dr. Jazmine Yaeger, Francis Lab) and Best Basic Research by a Student (Abigail Klein, Baack Lab).

Research, Grants & Projects

**Jyoti Angal, PhD**
1U54HD113179-01
Maternal American-Indian Rural Community Health (MARCH) Sub-I
UH3 OD023279
Environmental Influences on Child Health Outcomes in the Northern Plains Safe Passage Study Cohort – Phase II Sub-I

**Michelle Baack, MD**
2UG1HD053109-18
NIH/NICHD
NICHD Cooperative Multicenter Neonatal Research Network Sanford Site PI

Burroughs Welcome Fund 2022 Next Gen Pregnancy Initiative
Uteroplacental Insufficiency Disrupts Placental-Fetal Lipid Regulation and Dynamics Co-I

1R01HL160980
NIH/NHLBI Cardiovascular Diseases Research Dietary interventions to modulate heart health in offspring born to diabetic mothers and the subsequent generation PI

5UG1HD053109/Subaward W000910508
NIH/NICHD
NICHD Cooperative Multicenter Neonatal Research Network Sub-I

**Indra Chandrasekar, PhD**
DaccoTa Feasibility Grant
Urinary uromodulin as a biomarker for TAL and distal nephron adaptation in patients undergoing diuretics treatment PI

**Arielle Deutsch, PhD**
CDC
A community-based systems science approach to assess risk and protective factors and improve the efficacy and equity of interventions strategies for stimulant use, use disorder, and overdose Co-PI

R13 HD110197
NIH/NICHD
Aspen/Snowmass Perinatal Biology Conference Co-organizer

USDA-NIF

R01 DA050696
NIH/NIDA
Community Based System Dynamics Models of Alcohol and Substance Exposed Pregnancy in Northern Plains American Indian Women PI

1R01HL160980
NIH/NHLBI Cardiovascular Diseases Research Dietary interventions to modulate heart health in offspring born to diabetic mothers and the subsequent generation PI

5UG1HD053109/Subaward W000910508
NIH/NICHD
NICHD Cooperative Multicenter Neonatal Research Network Sub-I

6H79SM093039-01M001
SAMHSA
Great Plains Circles of Care Consultant
Amy Elliott, PhD
OTA-21-015B
NIH/NHLBI
The NIH-ECHO Recovery Cohort for Describing and Evaluating Risks for Post-Acute Symptoms of SARS-CoV-2 Infection in U.S. Children (RECOVER)
Site PI

UG1OD030019
NIH/Office of the Director
South Dakota Pediatric Clinical Trials Network (SoDakPCTN)
PI

R01DA050696
NIH/NIDA
Community based system dynamics models of alcohol and substance exposed pregnancy in Northern Plains American Indian women
Co-I

UH3OD023279
NIH/Office of the Director
Environmental influences on child health outcomes in the Northern Plains Safe Passage Study
PI

Kevin Francis, PhD
T. Denny Sanford Endowed Pediatric Collaborative Award
Defining the impact of astrocyte-neuron trafficking deficits within the pediatric disorder Smith-Lemli-Opitz syndrome
2022-2024
Co-PI

Dakota Community Collaborative on Translational Activity, NIGMS/NIH
Interplay between cholesterol metabolism and extracellular vesicles in head and neck cancer
2021-2022
PI

Smith-Lemli-Opitz/RSH Foundation
Defining the impact of DHCR7 disruption on astroglia
2021-2022
Sponsor

Kurt Griffin, MD
Helmsley Charitable Trust and Sanford Health
Sanford PLEDGE [Sanford Project Leveraging Differential Gene Expression against Type 1 Diabetes]
2022-2025
PI

Christine Hockett, PhD
2UG3OD0232379-09
PASS-ECHO Cohort
Environmental influences on Child Health Outcomes in the Northern Plains
MPI

UK9RH46981
RMOMS SD
Leveraging data, partnerships and integrated perinatal care to improve health equity among birthing people in South Dakota
Co-I

13350608
USDA
Avera McKennan-Food as Medicine (FaM): a hospital-based approach to increase access and intake of fruits and vegetables to reduce the risk of chronic disease in rural America
PI

UG1 OD030019
South Dakota Pediatric Clinical Trials Network (SoDakPCTN)
Co-I

OTA-21-015B
NIH-ECHO
The NIH-ECHO Recovery Cohort for Describing and Evaluating Risks for Post-Acute Symptoms of SARS-CoV-2 Infection in U.S. Children
Co-I

R03HD109355
NICHD
Documenting and archiving the Safe Passage Study in NICHD Data and Specimen Hub (DASH)
PI

3-SRA-2022-1106-S-B
Avera eCare School Health T1D Demonstration Project
PI

R01 HL126578
Diet Intervention for Hypertension: Adaptation and Dissemination to Native Communities
Site PI

Marni Johnson Martin, AuD
SD DOH
SD Disability Cultural Competence Community of Practice Project ECHO Series
PI
Michael Kareta, PhD  
R01CA233661  
NIH R01  
Oncogenic Mechanism of Sox2 in Rb-Deficient Tumors  
PI

2P20GM103620  
NIH CoBRE  
Functional Genomics & Bioinformatics Core  
Core Co-Director

R56NS117926  
NIH R56  
Elucidating the Epigenetic Landscape of Neurofibromatosis and Development of Therapeutic Targets  
Co-I

1R21CA256638  
NIH R21  
Novel Mechanisms Controlling SCLC Tumor Initiation  
Co-I

1R01HL160980  
NIH R01  
Dietary interventions to modulate heart health in offspring born to diabetic mothers and the subsequent generation  
Co-I

DenYelle Kenyon, PhD  
South Dakota Department of Health  
South Dakota Violent Death Reporting System (SDVDRS) Evaluation  
Sub-I

Lance Lee, PhD  
Sanford Health Foundation  
The Airway Ciliary Microenvironment in Primary Ciliary Dyskinesia  
PI

REU #1756912  
National Science Foundation  
REU Site in Cellular and Molecular Biology at Sanford Research  
PI

R25HD097633  
National Institutes of Health/Eunice Kennedy Shriver National Institute of Child Health and Human Development  
Pediatric Biomedical Research Program  
Lead PD

T32GM136503  
National Institutes of Health/National Institute of General Medical Sciences  
G-RISE University of South Dakota  
Co-PI

Peter Paul Lim, MD  
RECOVER Study  
Sub-I

Abdelhalim Loukil, PhD  
R35GM151229  
NIH  
NIGMS  
PI

Lacey McCormack, PhD  
USDA-NIFA-FINI-009061  
Avera McKennan-Food as Medicine (FaM): a hospital-based approach to increase access and intake of fruits and vegetables to reduce the risk of chronic disease in rural America  
Co-I

1UK9RH46981-01-00  
HRSA  
RMOMS SD: Leveraging data, partnerships and integrated perinatal care to improve health equity among birthing people in South Dakota  
Co-I

1T34HP42135-1-00  
HRSA  
Rural Maternity Care Project  
Evaluation Lead

G01RH32150  
HRSA  
Northern Plains Tele-Behavioral Health Research Network (eTriage)  
Evaluation Lead
Thayne Munce, PhD
Mayo Clinic, T. Denny Sanford Pediatric Collaborative Research Fund
The Effect of Synaquell on Brain Health in Male and Female Youth Contact Sport Athletes
Co-PI

Candice Nelson, MD
Pledge Study
Sub-I

David Pearce, PhD
P20 GM103620
NIH Center for Pediatric Research
09/01/18-08/31/23
PI

Louis-Jan Pilaz, PhD
1R01MH129419-01A1
NIH Center for Pediatric Research
09/01/18-08/31/23
PI

Sanford Health Foundation Pilot Grant
PI

Kyle Roux, PhD
R35GM126949
NIH Center for Pediatric Research
09/01/18-08/31/23
PI

Amy Scepaniak, MS
H326T230039
USD
SD DeafBlind Program
PI

Kameswaran Surendran, PhD
DK123180
NIH/NIDDK- R01
Molecular and cellular basis of the renal diseases associated with Alagille Syndrome
PI

P20GM103620
NIH/NIGMS Center for Pediatric Research Functional Genomics and Bioinformatics Core
Co-Lead

DK106135
NIH/NIDDK- R56
Molecular Regulators of Renal Collecting Duct Differentiation and Maintenance
PI

Maria Talavera-Barber, DO
1 UG1 OD030019-01
South Dakota Pediatric Clinical Trials Network (SoDakPCTN)
PI

Jianning Tao, PhD
T. Denny Sanford Pediatric Collaborative Research Award
Characterization of Pediatric Lateral Meningocele Syndrome Mouse Model and Treatment
PI

Innovations in Oncology Award in Partnership with the L3 Foundation
Characterizing and Targeting Intrinsic and Immune Modulatory Functions of PAK4 In High-Risk Rhabdomyosarcoma
Co-I

Lesta Whalen, MD
ASCEND (ARDS in Children and ECMO initiation strategies impact on Neuro-Development)
Site PI
Conference Presentations

**National/International Presentations**

**Michelle Baack, MD**


**Kyle Baum, DO**

**Indra Chandrasekar, PhD**
Invited Speaker, "Meet the Expert" Webinar. Proteintech Inc. “Exploring the kidney cellular and organelle architecture using immunofluorescence imaging techniques"


American Physiology Summit, Long Beach, CA. April 2023. Automated serial section electron microscopy and 3D reconstruction reveals role for nonmuscle myosin II in organelle structure and cargo transport regulation within the murine kidney thick ascending limb. Brook W. Busselman, Karla L. Otterpohl, Jenna L. Zimmerman, Malini Mukherjee, Mark Terasaki and Indra Chandrasekar. Poster Presentation and Oral Presentation by BB at the Pre-ETG meeting session

**Arielle Deutsch, PhD**


**Amy Elliott, PhD**
ECHO - lessons from the field. Elliott AJ, Invited presentation at the International Society for Developmental Psychobiology, Utrecht, Netherlands

Leveraging real-world evidence effectively. Elliott AJ, Invited presentation to Strategic Account Management Association annual meeting, Charlotte, NC

Elliott AJ, Bringing cutting-edge research to the prairie. Invited keynote speaker for Chicago Medical School research fair, Chicago, IL

Elliott, AJ. Prenatal exposures and infant death. Invited presentation to the US Congressional Commission on Native Children Virtual Hearing: Physical health-wellness and accident prevention, virtual
Kevin Francis, PhD

Francis KR, Smith-Lemli-Opitz Syndrome Medical and Scientific Conference, Seattle, WA. “Sterol dysregulation in Smith-Leli-Opitz syndrome causes astrocyte immune reactivity through microglia crosstalk”, June 22nd – 24th, 2023

Francis KR. NICHD Division of Intramural Research Symposium, Biophysics of lipids in development and disease, Virtual event, “Sterol metabolism at the intersection of structural biology, cell function, and human disease”, August 11th, 2022

Jordan Fritch-Hanson, MD

Kurt Griffin, MD
“General Population Screening for Pre-symptomatic Type 1 Diabetes” Hospital Metropolitano, San José, Costa Rica. 29 June 2023

“General Population Screening for Pre-symptomatic Type 1 Diabetes” Hospital Nacional de Niños, San José, Costa Rica. 29 June 2023

“Translating Teplizumab Therapy into Clinical Practice – a Regional Health System Perspective.” American Diabetes Association Scientific Sessions, San Diego, CA, 24 June 2023

General Population Screening for Type 1 Diabetes - Kaiser Permanente, Southern CA. 25 January 2023

“Integration of Screening and Monitoring with routine care and EHR in the Sanford PLEDGE Study.” 5th Childhood Diabetes Prevention Symposium, Barbara Davis Center, Denver, CO. 11 November 2022

General Population Screening for Type 1 Diabetes - Geisinger Health, Danville, PA. 11 July 2022

Christine Hockett, PhD
Invited Speaker, 17th Biennial Meeting of the Diabetes in Pregnancy Study Group of North America, Washington, DC, October 26th-28th 2023

Benson Hsu, MD
National Pediatric Donation and Transplantation Summit: Current State of Pediatric Donation and Transplantation (Tom Nakagawa MD, Simon Horslen MD, Benson Hsu MD)

Jody Huber, MD

Amanda Hurst, PharmD
Antimicrobial Stewardship in Underexplored Settings - Pediatric Stewardship in Adult-Ped Hospital, Amanda Hurst, IDSA IDWeek 2022 (Washington DC)

Marni Johnson Martin, AuD

NTI - SCOPE Panel Equitable Supporting Children of the Opioid Epidemic: Breaking Down by Barriers by Training the Whole Nation; Canyon Hardesty, Tai Baker, Eric Moody, Steph Weber, Andrea Witwer, Jennifer Hall-Lande, Caroline Gooden, Carol Terilli, Betsy Humphreys, Marni Johnson Martin; Association of University Centers on Disabilities 2022 Conference, Washington, DC

Michael Kareta, PhD
Cancer Testis Antigens (CTAs) as a driver of chemoresistance in SCLC, Michael Kareta, NCI SCLC Consortium (virtual)

Rebecca Lustfield, PhD
Lustfield, R. & Russo, J. Expanding the Continuum of Medical Student Wellness in a Small Midwestern Medical Institution. International Association of Medical Science Educators, Cancun, Mexico, June 2023

Academic Coaching in Medical Education: A Focus on Faculty Development and Assessment

Ikuo Masuho, PhD
GPCR Signaling in Health and Disease, Ikuo Masuho, GPCR Research Group, Japan

Thayne Munce, PhD
Brand CR, Munce TA, Scholten SD. Correlations between subjective and subjective wellness measures: an observational study with cross country runners. Annual Meeting of the American College of Sports Medicine, Denver, CO. (Student mentor, co-author)

Munce TA, Dorman, JD. Gameday physical performance measures of youth, high school and collegiate football players using GPS technology. Annual Meeting of the American College of Sports Medicine, Denver, CO

Munce TA, Fickling SD, Poel DN, D’Arcy RCN. MMA athletes demonstrate different brain vital sign profiles compared to matched controls at “baseline”. Sports Neuropsychology Society Annual Concussion Symposium, Denver, CO
Munce TA. The First Down Project: Brain Health Research in Youth Football, Noll Seminar, Department of Kinesiology, Penn State University, University Park, PA (presented virtually)

Munce TA. Concussion Diagnosis and Recovery Timelines in Relation to Collegiate Athletic Department Classification: A LIMBIC MATARS Consortium Investigation, LIMBIC MATARS Consortium Conference, University of Virginia, Charlottesville, VA


Combs J, Poel DN, Valentine VD, Munce TA. Assessment of neurologic function in mixed martial arts fighters. 6th International Consensus Conference on Concussion in Sport, Amsterdam, NL. (PI/Senior Author)

Hansen KM, Dorman JC, Combs J, Munce TA, Valentine VD. Effects of time to clinic on concussion outcome measures. 6th International Consensus Conference on Concussion in Sport, Amsterdam, NL. (Co-author/Co-I)

Resch JE, Wilmoth K, Beidler E, Broshek DK, Munce T, Kelshaw P, Bowman T, Cullum CM, Cifu DX. Sport concussion reporting and recovery related to sex and access to a dedicated athletic trainer: a LIMBIC MATARS consortium investigation. 6th International Consensus Conference on Concussion in Sport, Amsterdam, NL. (Co-author/Collaborator)

Catherine Nelson, DO
Anti-Leukemic Activity of STRO-002 a Novel Folate Receptor-α (FR-α)-Targeting ADC in Relapsed/Refractory CBF2AT3-GLIS2 AML, Dr. Soheil Meshinchi, Fred Hutch Cancer Research Center, Dr. Lane Miller, Children's Minnesota; Dr. Robin Williams, University of Minnesota Masonic Children's Hospital; Dr. Stephanie Massaro, Yale; Dr. Elizabeth Krieger, VCU; Dr. Melinda Pauly, Children's Healthcare of Atlanta; Dr. Catherine Nelson, Sanford Health; Dr. Deepa Bhojwani, Children's Hospital Los Angeles; Dr. Rebecca Johnson, Mary Bridge Children's Hospital; Dr. Terzah Horton, Baylor; Dr. Hamayun Imran, University of South Alabama (USA Health); Dr. Wen-I Chang, Hasbro Children's Hospital (Lifespan);

Dr. Philip Neff, Dell Children's Hospital; Dr. Matthew Kutney, University of Alabama Birmingham; Dr. Raul Ribeiro, St. Jude Children's Research Hospital; Dr. Felipe Bautista, Novant Health Hemby Children's Hospital; Dr. Terri Guinipero, Nationwide Children's Hospital; Kate Murray, Sutro Biopharma, Alex Butte, Sutro Biopharma, Arturo Molina Sutro Biopharma, American Society of Hematology, Involved in development of abstract

Amanda O’Neil, RN, MSN, CNP
Presenter of poster "Customized Silicone Dressing Under Non-invasive Ventilation and Skin Bundle to Reduce Pressure Injuries in Neonates" at Academy of Neonatal Nursing in Hawaii, April 2022

David Pearce, PhD


Children's Health Research Center Event, San Diego, CA, April 2023. “A Snapshot of Children's Research at Sanford Health”

International Rare Diseases Research Consortium (iRDIRC), Workshop, Berlin, Germany, March 2023. “Demystifying Gene Therapies for Better Understanding and Accessibility”

Metropolitanana Pediatrics Symposium, San Jose, Costa Rica, March 2023. “From the bench to treatment: The complex landscape of rare diseases”

6th Annual Gene Therapy for Rare Disorders, Boston, MA, March 2023. Presentation “Understanding the Impacts to Various Stakeholders in the Rare Disease Community” and session chair

15th International Collaboration on Rare Diseases and Orphan Drugs (ICORD) Conference, Gene and Cell Therapies: Hope and Realities of Advances in Regenerative Medicine, virtual, February 2023, “Increasing Global Access to Interventions”, Session Co-Chair, “Global Distribution, Supply, and Storage Systems”, Presenter


Louis-Jan Pilaz, PhD
"Investigating the role of RNA localization and local translation in neuronal migration" Gordon Research Symposium/Conference, 2022, Mentor
“WDR45-mediated autophagy in brain development, neuronal outgrowth, and mitochondrial regulation”
Brain Development Gordon Research Conference, 2022, Mentor


Kyle Roux, PhD


Jaymi Russo, Med
Lustfield, R. & Russo, J. Expanding the Continuum of Medical Student Wellness in a Small Midwestern Medical Institution. International Association of Medical Science Educators, Cancun, Mexico, June 2023

Lustfield, R. & Russo, J. Moving Toward Competency-Based Assessment in Medical Education. 2022 Assessment Institute, Indianapolis, IN, October 2022

Amy Scepaniak, MS
American Council for the Blind-Winds of Change 62nd Annual Conference, Chicago - Mobility and Beyond: Taming the rural landscape

NCDBEN Community of Practice, Online - Cortical Vision Impairment

Samuel Schimelpfenig, MD
American College of Sports Medicine annual meeting in Denver CO June 2023; “Environmental Cold Injuries in Athletes”

Kameswaran Surendran, PhD
mTORC1 activity promotes an intercalated cell state which is suppressed by Hes1 to maintain principal cells in a mature state. Jennifer DeRiso, Malini Mukherjee, Madhusudhana R. Janga, Morgan J. Rothschild, Sabdi Bravo, Alicia L. Simmons, Brook W. Busselman, Indra Chandrasekar, Kameswaran Surendran... Poster presentation at ASN Kidney Week 2022 in Orlando, FL. Role: Mentor/Corresponding author

The molecular regulators of kidney collecting duct development and maintenance. Invited Speaker at monthly Nephrology Urology Research Affinity Group meeting, The Abigail Wexner Research Institute at Nationwide Children's Hospital. Columbus, OH. Virtual

Use of model systems to test findings from Whole Exome Sequencing. Kameswaran Surendran, NIDDK Workshop on New insights into Congenital Kidney Disease. Organized by NIDDK/NIH. Virtual

mTORC1 activity promotes an intercalated cell state which is suppressed by Hes1 to maintain principal cells in a mature state. Jennifer DeRiso, Malini Mukherjee, Madhusudhana R. Janga, Morgan J. Rothschild, Sabdi Bravo, Alicia L. Simmons, Brook W. Busselman, Indra Chandrasekar, Kameswaran Surendran... Poster presentation at ASN Kidney Week 2022 in Orlando, FL. Role: Mentor/Corresponding author

Maria Talavera-Barber, DO

Jianning Tao, PhD


Regional Presentations

Michelle Baack, MD
Midwest Society for Pediatric Research (MSPR) Segar Family Lectureship and Pediatric Grand Rounds, Ann & Robert Lurie Children's Hospital, Chicago, IL. September 30, 2022. Changing the Future, One Exposome at a Time

K Siemers*, T Gandy, T Larsen, M Baack. Platform Presentation; *MSPR Student Award for the most outstanding abstract presentation at the MSPR 2022 Scientific Meeting and Travel Award


Arielle Deutsch, PhD
Intergenerational complex trauma: From chromosomes to communities, through chaos and colonialism. Great Plains Area Behavior Health Conference (Virtual), September 21, 2022

Kevin Francis, PhD
Sengupta S, Yaeger JW, Freel BA, Francis KR. Eastern SD Research Symposium, “Plasma membrane-associated sterols differentially regulate the function and localization”, June 14th, 2023 Mentor


Raszler M, Yaeger J, Francis KR. South Dakota EPSCoR Undergraduate Research Symposium, “Characterization of lipid droplet accumulation due to cholesterol biosynthesis inhibition”, July 29th, 2022 Mentor. Presentation 2

Kurt Griffin, MD
“The Sanford PLEDGE Study: Integrating Population Screening for T1D Risk into Routine Pediatric Care” Dakota Community Collaborative on Translational Activity (DaCCoTA) Symposium (virtual meeting), 27 July 2023

Christine Hockett, PhD
Speaker and Panelist, Maternal Health Innovations Panel, Community Healthcare Association of the Dakotas (CHAD) Conference, Fargo, ND, May 3-4, 2023

Speaker, Chronic disease prevention in American Indians across the lifecourse, Great Plains Tribal Leaders Health Board Good Health & Community Wellness Webinar Series, September 22nd 2022
Jody Huber, MD
“Pathophysiology of Pediatric Traumatic Brain Injury”
Sanford Trauma Symposium. October 2022

Practical Tips for Teaching Adult Learners; Kaye Wagner & Jody Huber; Department of Pediatrics Faculty Development Series; USD SSOM. September 2022

Michael Kareta, PhD
Investigating Tumor Evolution: An investigation into a rare lung cancer, Michael Kareta, Northern State University

Lance Lee, PhD


Peter Paul Lim, MD
Avera Infection Control Meeting (Measles: an Impending Pandemic), Avera, Sioux Falls, SD

Sexually Transmitted Diseases panelist for USD Medical Students Forum

South Dakota Physician Assistant Conference (Parasites), Sioux Falls, SD

Vaccine Hesitancy panelist for USD Medical Students Forum

Lisa Lubbers, MSN, NNP
NICU outreach education (Presenter) at 1st annual AWHONN SD conference in Brookings, SD

Daniel Mark, MD
"Fundamental aspects of pediatric palliative care"
11/17/22 South Dakota Palliative Care Symposium

Stephen Messier, MD
SDPA: Mentor to Sam Hagman. Platform. Updates In Prenatal and Postnatal Hepatitis C Virus (HCV) Testing

Thayne Munce, PhD
Munce TA. The First Down Project: Brain Health Research in Youth Football, Center for Brain and Behavior Research (CBBRe) Research Symposium, University of South Dakota, Vermillion, SD

Gokhan Olgun, MD
Non-Invasive Ventilation in the Pediatric Intensive Care Unit, 2023 T. Denny Sanford Pediatric Symposium in conjunction with Sanford Children's Pediatric Symposium, Okoboji, IA

Amy Scepaniak, MS
DSU Special Education Course lecture, Online – DeafBlinness

NSU Special Education Course lecture, Aberdeen SD – DeafBlinness

SD Early Intervention conference, Mitchell SD-Serving Children with Dual Sensory Needs

SD Special Education Conference, Deadwood SD - Learn S'More about identifying sensory loss and the referral process

SD State Vocational Rehabilitation Services/DHS, Online training - Overview of DeafBlinness

Maria Talavera-Barber, DO
South Dakota Perinatal Association: Congenital Syphilis: Neonatal Case Series

South Dakota Perinatal Association: Nutritional Impact of Probiotics in Preterm Infants

Jianning Tao, PhD
Tao, J., Fang, F, Torres, H, Stage-restricted osteoblasts specify signatures of osteosarcoma molecular subtypes. The 7th Annual Eastern South Dakota Research Symposium, June 14, 2023, Sioux Falls, SD

Eric Towe, MD
Presenter - Lecture on Sudden Cardiac Death in Pediatrics - Transmed Seminar

Presenter - Lecture on Syncope - South Dakota Association of Physician Assistance Annual Meeting
Local Presentations

**Kathryn Anderson, MD**  
A retrospective cohort study to evaluate swallow study use in the NICU population, Lauren Ochoa, MS4, Marlee Jones, MS4, Kathryn Anderson, MD, Baiba Steinbrekera, MD, South Dakota state medical association annual leadership conference, role-mentor

**Joyti Angal, PhD**  

**Michelle Baack, MD**  

**Indra Chandrasekar, PhD**  

**Adam Dell, MD**  
Obesity in Adolescents, Adam Dell MD, Oyate Health Grand Rounds, Rapid City, SD 57702

**Donald Ellis, MD**  
"Evidence-based Medicine Approach to Pediatric Seizures" by Donald Ellis at the 2023 Sanford EMS Conference in Sioux Falls, SD

**Jacquelyn Grev, MD**  
Influence of respiratory management and fluid status during the first week of life on bronchopulmonary dysplasia in preterm infants. Shehbeet Mangat 1, Jaquelyn Grev1,2, Laurie Hogden1,2, Baiba Steinbrekera1,2. 1University of South Dakota - Sanford School of Medicine; 2023 Pediatric Research and Scholarship Day, Thursday, April 13 at the USD SSOM Health Science Center in Sioux Falls, SD; Mentor

**Samuel Hagman, DO**  

**Daniel Boadwine, MD**  
Pediatric Grand Rounds: Racism in Medicine, Sanford School of Medicine

**Francisco Bustos, PhD**  
Dissecting signal transduction in ubiquitin-related neurodevelopmental disorders. Francisco Bustos. 13th Annual Great Plains Rare Disease Summit. Sioux Falls, SD. Friday, May 12th, 2023

Study of the molecular mechanism underlying the USP27X-driven developmental disorder XLID105. Intisar Koch and Francisco Bustos (mentor). Pediatrics Research & Scholarship Day 2023. SSOM, USD. Sioux Falls, SD
Christine Hockett, PhD  
Speaker, Consequences of exposure to maternal diabetes on puberty and adiposity, Pediatric Grand Rounds, Department of Pediatrics, University of South Dakota School of Medicine, October 13th 2022

Specker, Impact of the COVID-19 pandemic on children’s health behaviors: the PASS-ECHO study, Annual South Dakota Perinatal Conference, South Dakota Perinatal Association, Pierre, SD, Sept 26th 2022

Michael Kareta, PhD  
Genetic Lineage Tracing in Tumor Development and other anecdotes about a scientific journey, Sanford Promise Laboratory

Lance Lee, PhD  


Shehbeet Mangat, MD  

Stephen Messier, MD  
USD Research and Scholarship day. Poster. Mentor to Sam Hagman. Updates in Prenatal Hepatitis C Virus (HCV) Testing and Subsequent Testing in Infants

Pradeeksha Mukuntharaj, MD  

Thayne Munce, PhD  
Munce TA. Sport-Related Concussion: Scientific Advancements in Clinical Management, Sanford Pediatric Trauma Symposium, Sioux Falls, SD

David Pearce, PhD  
Sanford/PPALS PACT Conference, May 2023. “Introduction to Sanford Research”

Louis-Jan Pilaz, PhD  
“Analysis of the subcellular localization of the periventricular nodular heterotopia-associated protein MAP1B” American Physician Scientist Association Midwest Regional Meeting, 2022, Mentor

“Investigating the role of MAP1B in the neuronal migration disorder periventricular nodular heterotopia” Society for Neuroscience Annual Meeting, 2022, Mentor

“Investigating the role of MAP1B in the neuronal migration disorder periventricular nodular heterotopia” Pediatric Research Summit, 2022, Mentor

“Mitochondrial regulation and neural autophagy in WDR45 associated neurodegenerative disease” Pediatrics COBRE Symposium, 2022, Presenter

“Modeling periventricular nodular heterotopia-associated patient variants using Breasi-CRISPR" USD MD-PhD Student Retreat, 2022, Mentor

Mount Marty University Seminar Series

Laurie Richards, MD  
5/2023: USD/Sanford School of Medicine Pediatric Research and Scholarship Day • Co-authored Poster: Influence of respiratory management and fluid status during the first week of life on bronchopulmonary dysplasia in preterm infants

3/23/2023: Sanford Health Perinatal, Neonatal and Women’s Health Conference • Invited speaker – “ROP”

Baiba Steinbrekera, MD  
Influence of respiratory management and fluid status during the first week of life on bronchopulmonary dysplasia in preterm infants. Presented at USD Pediatric Research Day 2023

Dennis C. Stevens, MD, MS  
Presenter for Annual Medical Student Research Fair, Feb. 2023

Jianning Tao, PhD  
Tao, J., Fang, F., Torres, H., Stage-restricted osteoblasts specify signatures of osteosarcoma molecular subtypes. 2022 USD Pediatric Research and Scholarship Day, April 14, 2023, Sioux Falls, SD

(Mentor). Hinojosa L, Smithback A, Torres H, Tao J. Targeting p-21 activated kinases in a novel murine model of rhabdomyosarcoma. Center for Pediatric Research Annual Symposium, October 25, 2022, Sioux Falls, SD

(Mentor). Guerrero C, Torres H, Hinojosa L, Tao J. Epigenetic Regulation of Bone Marrow Stem cells in a Preclinical Model of Lateral Meningocele Syndrome. 2022 Sanford Undergraduate Summer Research Symposium, August 12, 2022, Sioux Falls, SD

(Mentor). Smithback A, Torres H, Hinojosa L, Tao J. Targeting p-21 activated kinases in a novel murine model of rhabdomyosarcoma. 2022 Sanford Undergraduate Summer Research Symposium, August 12, 2022, Sioux Falls, SD

Other Presentations

Invited External Grand Rounds Presentations

Michelle Baack, MD
Pediatric Grand Rounds, Ann & Robert Lurie Children’s Hospital, Chicago, IL. September 30, 2022. “Changing the Future, One Exposome at a Time”

Francisco Bustos, PhD
Corothers Life Science Seminar, Department of Biology and Microbiology, South Dakota State University, Sep. 23rd, 2022. “Dissecting RNF12 E3 Ubiquitin Ligase Signal Transduction that is Disrupted in Intellectual Disability

Kevin Francis, PhD
Francis KR, Augustana University, Department of Chemistry and Biochemistry, “Sterol biochemistry as a determinant of membrane function and mammalian signaling”, March 29th, 2023

Jennifer Haggar, MD
North Dakota grand rounds: Development are we on track

Benson Hsu, MD
UND School of Medicine Pediatrics Grand Rounds: Journey to Health Equity

Staten Island University Hospital Pediatric Grand Rounds: Pediatric Patient Safety

Bianca Johnson, MD
Understanding POTS

Lance Lee, PhD
Riding the Cilia Wave: Understanding the Mechanisms of Motile Cilia Function and Ciliary Disease. Invited seminar, November 2022. Augustana University, Sioux Falls, SD

Riding the Cilia Wave: Understanding the Mechanisms of Motile Cilia Function and Ciliary Disease. Invited seminar, October 2022. South Dakota State University, Brookings, SD

The Biology of Cilia in Pediatric Disease. Invited seminar, September 2022. University of Sioux Falls, Sioux Falls, SD

Daniel Mark, MD
"Empathy, Communication, and Resilience" 4/16/23 Surgery Grand Rounds
Thayne Munce, PhD
Full Circle: My Path in Exercise Science, Introduction to Exercise Science course (Fall Semester, 2022), University of Sioux Falls, Sioux Falls, SD
Full Circle: My Path in Exercise Science, Introduction to Exercise Science course (Spring Semester, 2023), University of Sioux Falls, Sioux Falls, SD

Career Development Presentations

Michelle Baack, MD
MSPR Trainee and Early Career Counseling Breakfast

Benson Hsu, MD
AAP NCE 2022: Interview hints and negotiating your first contract

Princeton University Project ’55: Beyond your fellowship

Jody Huber, MD
“Practical Tips for Teaching Adult Learners” University of South Dakota Department of Pediatrics Faculty Development Series. September 2022

Lance Lee, PhD
“Building Researcher Identity”. Sanford Research, Sioux Falls, SD
Mentor training. Sanford Research, Sioux Falls, SD
“Networking: Why It’s Important, and How to Do It.” Sanford Research, Sioux Falls, SD
“Preparing an Effective Oral Presentation”. Sanford Research, Sioux Falls, SD
“Science Careers and Career Preparation.” SDSU, Brookings, SD. Biology Graduate Student Organization. SDSU, Brookings, SD

Rebecca Lustfield, PhD
Faculty Development Workshop HSC
Faculty Development Workshop Yankton

Ethics Seminar Presentations

Kurt Griffin, MD
"Plagiarism" Sanford Research Responsible Conduct of Research Series, 13 July 2022 and 12 July 2023

Michael Kareta, PhD
Data and Data Sharing

Attila Kovacs, PhD
Ethics on Animal Research, April 12, 2023; co-presenter

Lance Lee, PhD
"Engaging with the Community”. Sanford Research, Sioux Falls, SD

Daniel Mark, MD
Clinical Ethics in Pediatrics” 5/3/23 Ethics In Action Conf

Thayne Munce, PhD
Human Subjects Research, Responsible Conduct of Research Series, Sanford Research, Sioux Falls, SD

Kyle Roux, PhD
Multiple Scientific Misconduct presentations

Kameswaran Surendran, PhD
Presented and co-led discussion on Ethics: Scientific Misconduct and Plagiarism as part of Summer Student Career Development Workshop

Jianning Tao, PhD
Tao, J. & De La Peunte, P. Ethics: Peer review. Sanford Research ethics seminar series. Sioux Falls, SD, September 14, 2022

QI Project Presentations

Rochelle Boote, MD
Improving lipid panel screenings for 11-12 year olds

Jacquelyn Grev, MD
BPD QI Project, NICU, Sioux Falls, SD

Hyperbilirubinemia QI, Mentor to Pradeeksha Mukuntharaj

VAP QI Project, NICU, Sioux Falls, SD

Peter Holmberg, MD
Improving Inpatient Vaccinations in Children. Sanford Children’s Hospital

Lauritz Meyer, MD
Ventilator Associate Pneumonia Prevention, Sanford Children’s NICU

Amanda O’Neil, RN, MSN, CNP
Increased knowledge of postpartum depression in the NICU

Suzanne Reuter, MD
Intranasal Versed Use in the NICU - will be presented at the Sanford QI Symposium in November 2023

Laurie Richards, MD
Implementation of Less Invasive Surfactant Administration (LISA), Sanford Boekelheide NIC QIC (Neonatal Intensive Care Quality Improvement Council)
Baiba Steinbrekera, MD  
BPD prevention QI

Maria Talavera-Barber, DO  
Necrotizing Enterocolitis QI Collaborative  
NICU Nutrition Working Group  
Small Baby Hemodynamics Working Group

Workshop Presentations

Benson Hsu, MD  
Alexion: Health Equity in Rare Diseases  
JP Morgan Health: Re-imaging Healthcare

DenYelle Kenyon, PhD  
(2023, April). Crafting your personal statement. Great Lakes Pre-admissions workshop, Grand Forks, ND

Other Presentations

Benson Hsu, MD  
AMA Adapting to Patients’ Needs One ICU Pediatrician’s Account (podcast) https://edhub.ama-assn.org/cdc-project-firstline/audio-player/18709246

Michael Kareta, PhD  
Giving An Effective Science Presentation, Sanford SPUR Program

Stephen Messier, MD  
Neonatal CoVID Follow-up research project

Michael Naegle, MD  
Interviewed by Keloland. “Influenza activity in the Sioux Falls community.” December 2022

Dennis Stevens, MD, MS  
Presentation on Academic Scholarship. Graduate Medical Education Retreat, Rosalind Franklin University of Health Sciences, North Chicago, IL, Sept. 30, 2022

Presentation of two lectures on Basic Biostatistics for Internal Medicine Residents at Chicago Medical Center at the Federal Health Care Center, North Chicago, IL

Maria Talavera-Barber, DO  
Small Baby Hemodynamic Guideline: Hypotension  
Small Baby Hemodynamic Guideline: Pharmacological Management of PDA  
Small Baby Nutrition Guidelines

Publications

PubMed Articles

Kathryn Anderson, MD  
Ochoa L, Jones M, Anderson K, Steinbrekera B. A Retrospective Cohort Study to Evaluate a Swallow Study Use in the NICU Population to Optimize Feeding Support. S D Med. 2023 Jun;76(suppl 6):s22. PMID: 37732923

Bishop BM, Anderson KM. Cryptorchidism Review for the Primary Care Provider. S D Med. 2023 May;76(5):222-228. PMID: 37603872

Jyoti Angal, PhD  


Prathapan Ayyappan, PhD  

Michelle Baack, MD  


Laura Davis-Keppen, MD

Arielle Deutsch, PhD


Kurt Griffin, MD


Christine Hockett, PhD


Lauritz Meyer, MD

Gokhan Olgun, MD


David Pearce, PhD

Louis-Jan Pilaz, PhD


Laurie Richards, MD

Baiba Steinbrekera, MD

Maria Talavera-Barber, DO


Jessica White, MD

Joseph Zenel, MD


Other Publications

Baiba Steinbrekera, MD
Metabolic Bone Disease of Prematurity practice guidelines

Francisco Bustos, PhD


Adam Dell, MD
Providing Affirming Care to Transgender and Gender-Diverse Youth, Springer Briefs, Dell et Al, https://link.springer.com/book/10.1007/978-3-031-18455-0

Arielle Deutsch, PhD

Leah Heidenreich, MD
Management of Neonatal Hydronephrosis, Leah Heidenreich, Elizabeth Ristagno, Christian Hanna, AskMayoExpert

Benson Hsu, MD

Peter Paul Lim, MD


Ackerman A, Lim P, Desai A. A case of Lemierre syndrome presenting as Multisystem inflammatory syndrome in Children (Pediatrics in Review Index of Suspicion)


Hosahalli Vassana S, Lim P, Ahuja S. Wheezing and hypereosinophilia in a 3-year-old Status: Accepted (Pediatrics in Review Index of Suspicion)

Lim P, Moore L, Minich N, Ruda Wessell K, Desai A. Inpatient Delabeling of Pediatric Patients with Low-Risk Penicillin Allergy Status Through Allergy Direct Oral
Amoxicillin Challenge (Asthma and Allergy Proceedings)

Lim P, Moushami R, Parmar I. The human microbiome as drug targets. Human Microbiome Drug Targets: Modern Approaches in Disease Management

Lim P, Muthalgiri S, Allan V, Pathak A. The GUT microbiome. Human Microbiome Drug Targets: Modern Approaches in Disease Management

Lim P, Zawacki A, Prasad A. A case of severe congenital toxoplasmosis in a neonate who presented with hypothermia. (Contemporary Pediatrics)

Lisa Lubbers, MSN, NNP
A series of NICU outreach education sessions distributed to leaders at community sites Avera transports from

Lacey McCormack, PhD
DOI: 10.14485/HBPR.9.5.5, Eating Behaviors and Body Image Perception among College Students, Health Behavior and Policy Review

Stephen Messier, MD
Sanford Enterprise CPG: HIV CARE FOR INFANTS BORN TO MOTHERS WITH HIV
Sanford Enterprise CPG: Neonatal Hyperbilirubinemia Guidelines for &gt;35 Weeks Gestation Infants

Louis-Jan Pilaz, PhD
NeuroWoodworks - Science-related art on Twitter, Facebook and Instagram

Book Chapters

Michelle Baack, MD
Mitochondrial Transplantation and Transfer: Biology, Methods, Applications, and Disease book chapter (Chapter 22: Diabetes and Mitochondrial Transplantation)

Adam Dell, MD


Samuel Schimelpfenig, MD


Educational Materials

Kurt Griffin, MD, PhD
Patient Educational Materials for PLEDGE Study

Jennifer Haggar, MD
Serve on patient education panel generating and reviewing patient materials for the EMR

Benson Hsu, MD, MBA
Hsu BS, Hoops K, Mack E. AAP SOCC Advocacy Modules. Fall/Winter 2022. (Online Advocacy Videos)

Peter Paul Lim, MD
Lim P. Lessons through COVID-19 adversity. Status: Published in Section on International Medical Graduates American Academy of Pediatrics Newsletter, Spring ed 2022

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Maria Talavera-Barber, DO
Small Baby Hemodynamic Guideline: Hypotension
Small Baby Hemodynamic Guideline: Pharmacological Management of PDA
Small Baby Nutrition Guidelines

Joseph Zenel, MD
Pediatrics in Review Blog, “A Question I Should Have Asked USMLE Step 2, Step 3 Examination Questions”
Research & Scholarship Day

The Department of Pediatrics held the annual Research & Scholarship Day on April 13, 2023, at the USD Sanford School of Medicine. Medical students, residents, and faculty gathered to celebrate each other scholarly accomplishments. Dr. Jerry Vockely, 2023 T. Denny Sanford Distinguished Lecturer, provided a noon education session on the Advances in Rare Disease Diagnosis and Treatment: Learning from your patients. The event was made possible by the generosity of T. Denny Sanford.

Jerry Vockley, MD, PhD
The 2023 T. Denny Sanford Distinguished Lecturer is Dr. Jerry Vockley, Professor of Pediatrics at the Children’s Hospital of Pittsburgh and Professor of Human Genetics at the Pitt Graduate School of Public Health. Dr. Vockley received his medical degree from the University of Pennsylvania School of Medicine then completed his Pediatric Residency at the Denver Children’s Hospital and a fellowship in Pediatrics and Human Genetics at Yale University School of Medicine. He then joined the faculty of the Mayo Clinic School of Medicine, where he established an inborn Errors of Metabolism Clinic. Dr. Vockley directs an active research program on inherited disorders of energy and protein metabolism, focused on both understanding the genetic causes of these disorders and developing new treatments for them.
## Abstracts

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<td>A multimodal biomarker disease score detects early changes and comprehensively tracks disease state in a mouse model of Cln8 disease</td>
<td>Kelsey Schecher, Kimmo K. Lehtimäki, Jon J. Brudvig, Tyler B. Johnson, Timo Bragge, Jussi Rytkönen, Artem Shatillo, Marc Cerrada-Gimenez, Giedrius Kalesnykas, Antturi Nurmi, Jill M. Weimer</td>
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<td>Cellular responses to motile cilia dysfunction in the airway ciliary microenvironment</td>
<td>Casey McKenzie, Michael Kareta, and Lance Lee</td>
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<td>Characterization of a Notch3-driven preclinical mouse model of Lateral Meningocele Syndrome</td>
<td>Haydee M. Torres, Leetoria Hinojosa, Ashley VanCleave, Tania Rodezno, Malini Mukherjee, Yohannes Tecleab, Jennifer Westendorf, Jianning Tao</td>
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<tr>
<td>Cholesterol imbalance triggers lipid trafficking defects observed in Smith-Lemli-Opitz syndrome</td>
<td>Best Basic Research Award (Post-Doctoral Fellow): Jazmine D. W. Yaeger, Sonali Sengupta, Austin L. Walz, Jared Wollman, Paola D. Vermeer, Kevin R. Francis</td>
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<td>Coenzyme Q10 mitigates maternal high fat diet-mediated oxidative stress on the preimplantation embryo</td>
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<td>Determining the Renal Epithelial Notch Signaling Network to improve our understanding of kidney diseases associated with Alagille Syndrome</td>
<td>Morgan Rothschild, Jennifer de Riso, Malini Mukherjee, Madhu Janga, Danielle May, Sabdi Bravo, Kyle Roux, and Kamesh Surendran</td>
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<td>Exposure to Gestational Diabetes Mellituslike Fuel Environment Compromises Mitochondrial Respiration in Human Trophoblasts</td>
<td>Kyle Siemers, Tyler Gandy, Tricia Larsen, Prathapan Ayyappan, Michelle Baack</td>
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<td>Interactor and pathway analysis of CLN3, CLN6, and CLN8 using proximal biotinylation</td>
<td>Mitchell Rechtzigel, Brandon Meyerink, Jon J. Brudvig, Tyler B. Johnson, Jacob T. Cain, Danielle May, Kyle J. Roux, Jill M. Weimer</td>
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<td>Mitochondrial regulation and neural autophagy in WDR45 associated neurodegenerative disease</td>
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<td>NF1+/ex42del miniswine model the cellular disruptions and behavioral presentations of NF1-associated cognitive and motor impairment</td>
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<td>Notch signaling suppresses mTORC1 activity to prevent principal cell to intercalated cell conversion</td>
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<td>Study of the molecular mechanism underlying the USP27X-driven developmental disorder XLID105</td>
<td>Intisar Koch, Emily Konz, Tamar Harel, Martin Rennie, and Francisco Bustos</td>
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<td>Treatment with compound reduce lysosomal pathology in in vitro and in vivo CLN2R207x-/- Batten models</td>
<td>Joelle Anderson, Jon Brudvig, Hannah Leppert, Melissa Pratt, Clarissa Booth, Cristina Swanson, Kaylie Timm, Katherine White, Jill Weimer</td>
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### Case Study

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<td>Idiopathic Bullous Pyoderma Gangrenosum in a 12-Year-Old Native American Male: A Case Report</td>
<td>Best Case Study or Series Award: Hunter A. O’Connor, Amber Veldman, Carl S. Galloway</td>
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<td>Influenza cerebellitis in a 4-year-old male</td>
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<td>Raoultella planticola UTI presenting as hyperbilirubinemia in a 3-day-old infant</td>
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<td>Trevor’s Disease of the Ankle and Knee: A Case Report</td>
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### Clinical Population Health

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<td>Best Clinical or Translational Research: Garrett Byron, Anna M. Strahm, Clayton J. Hilmert</td>
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<td>Comparison of Visual Methods to Reanalyze Provocative Test Data from Randomized Controlled Clinical Trials in New- or Recent-Onset Type 1 Diabetes</td>
<td>Brenda Orozco, Kurt J. Griffin</td>
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<td>Influence of respiratory management and fluid status during the first week of life on bronchopulmonary dysplasia in preterm infants</td>
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<td>Sexually Transmitted Infection and Teen Pregnancy Prevention Initiative: Examining Needs for Native Youths</td>
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### Quality Improvement

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<td>A Quality Improvement Project to Reduce Moderate to Severe Malnutrition in Infants Born less than 30 weeks Gestation</td>
<td>Best QI Project Award: Jorgenson, L., Wenninger, L., May, J., Sass, E., Foster, M., Roling, J., Fagerness K., Beers C., McCormack, L., Fish, R., and Talavera-Barber, M.</td>
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</tbody>
</table>
Compassion

More than ever, the department sees the need for compassion in care for children, their families, and each other. Scholarly projects focused on improving care through QI and public awareness initiatives surrounding important health topics including vaccination rates, neonatal nutrition, small baby care, hepatitis C exposure, ventilator associated pneumonia and bronchopulmonary dysplasia prevention, lipid screening in children and improved screening and treatment for postpartum depression. In addition to providing exceptional care for kids, our faculty and residents are involved in many professional and community service projects including service on committees, editorial peer review, and volunteering at Camp Gilbert, Henry’s Run, Special Olympics, the Human Society and the Sanford Kid’s Kitchen. To encourage compassion and a culture of respect, the department established a Kindness Initiative Award and developed an Advocacy Task Force to shed light on issues impacting child wellbeing and unite like-minded advocates willing to be the voice for children in SD. To establish a kind and compassionate culture for each other, the residents participated in Peds Positivity, a wellness initiative and Dr. Ashley Sandeen began a coaching program and wellness website. I am incredibly proud of these efforts and would like to acknowledge Drs. Jessica White and Lesta Whalen for leading these initiatives and Dr. Dan Marks who was recognized for his incredible acts of kindness.

Service

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Jessica White, MD

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Ana Nevarez Gilbert, MD
Jessica White, MD
Nicole Zimmerman, MD

Grand Rounds & Faculty Development Committee
Lesta Whalen, MD, Chair
Michelle Baack, MD
Ashlesha Bagwe, MD
Michael Elliott, MD
Christine Hockett, PhD
Jody Huber, MD
Skyler Kinsey, DO
Dawn Larson, MD
Ana Nevarez Gilbert, MD
Kjerstin Purintun, APRN, CNP
Melanie Rusche
Samuel Schimelpfenig, MD
Jianning Tao, PhD
Ruthellen Anderson, CO 2023
Anthony Restaino, CO 2025

Promotion & Tenure Primary Review Committee
Lance Lee, PhD, Chair
Nofil Arain, MD
Kurt Griffin, MD, PhD
James Wallace, MD
Jessica White, MD

Research & Scholarship Abstract Review Committee
Michelle Baack, MD, Chair
Francisco Bustos, PhD
Arielle Deutsch, PhD

Research & Scholarship Faculty Awards Committee
Michelle Baack, MD, Chair
Maria Barber, DO
Francisco Bustos, PhD
Sam Hagman, DO
Jessica Olcott, MD
Nicole Poppinga, MD
Lesta Whalen, MD
Anthony Restaino, CO 2025

Undergraduate Medical Education Committee
Jessica Olcott, MD, Chair
Michelle Baack, MD
Sue Bak, BSN, RN
Janet Fulk
Brittany Grant, MPA
Maggie Kuehler, MD
Pasquale Manzerra, PhD
Sara Pepper, MD
Samuel Schimelpfenig, MD
Eleanor Turner
April Willman, MD
Megan Grassel, CO 2023
Halle Randall, CO 2023
Kirsten Sawtelle, CO 2024
Emily Petersen, CO 2025

Pediatrics Residency Committees

Pediatric Residency Clinical Competency Committee (CCC)
Jennifer Hagggar, MD
Stephen Messier, MD
Jessica White, MD

Pediatric Residency Program Evaluation Committee (PEC)
Jessica White, MD, Chair
Kathryn Anderson, MD
Michelle Baack, MD
Jennifer Hagggar, MD
Peter Holmberg, MD
Gulsah Olgun, MD
Lesta Whalen, MD
Jessica White, MD

Pediatric Residency Wellness Committee
Kyle Baum, DO
Ana Nevarez Gilbert, MD
Jessica White, MD
Nicole Zimmerman, MD
Recruitment Committee – Administrative
Jennifer Haggar, MD
Jessica White, MD
Shehbeet Mangat, MD, Chair
Ashlesha Bagwe, MD
Kyle Baum, DO
Rebecca Mabee, MD
Megan McCulloch, MD
Nicole Zimmerman, MD

Recruitment Committee – Interviewer
Kathryn Anderson, MD
Michelle Baack, MD
Jacquelyn Grev, MD
Jennifer Haggar, MD
Stephen Messier, MD
Candice Nelson, MD
Gulsah Olgun, MD
Gokhan Olgun, MD
Baiba Steinbrekera, MD
Lesta Whalen, MD
Jessica White, MD

Resident Mentor – Research, QI, Academic Advisors
Kathryn Anderson, MD
Sara Free, MD
Jennifer Haggar, MD
Stephen Messier, MD
Candice Nelson, MD
Gulsah Olgun, MD
Gokhan Olgun, MD
Baiba Steinbrekera, MD
Jessica White, MD

Resident Teaching - Didactic Lectures
Michelle Baack, MD
Sara Free, MD
Carl Galloway, MD
Jennifer Haggar, MD
Stephen Messier, MD
Candice Nelson, MD
Gokhan Olgun, MD
Lesta Whalen, MD
Jessica White, MD

Resident Teaching - Simulation or Boot Camp
Kathryn Anderson, MD
Michelle Baack, MD
Jennifer Haggar, MD
Gulsah Olgun, MD
Gokhan Olgun, MD
Lesta Whalen, MD
Jessica White, MD

Women in Medicine & Science Mentoring Program
Ana Nevarez Gilbert, MD

Institutional Committees

Avera Credential It Committee
Christiane Maroun, MD

Avera Infection Control Committee
Peter Paul Lim, MD

Avera Pediatrics Antibiotic Stewardship Subcommittee
Peter Paul Lim, MD

Avera Sacred Heart Hospital Med Executive Committee
Sara Pepper, MD

Lifescape Pharmacy Committee
Christiane Maroun, MD

Monument Health Infectious Disease Committee
Margaret Kuehler, MD

Sanford Blood Committee
Jacquelyn Grev, MD

Sanford Care Monitoring
Carl Galloway, MD
Candice Nelson, MD

Sanford Chief
Carl Galloway, MD

Sanford DEI Committee
Francisco Bustos, PhD
Indra Chandrasekar, PhD
Michael Kareta, PhD
Louis-Jan Pilaz, PhD

Sanford Department Chair
Carl Galloway, MD
Jody Huber, MD
Stephen Messier, MD
Candice Nelson, MD

Sanford Enterprise General Pediatrics Council
Candice Nelson, MD

Sanford Enterprise Pediatrics Council
Carl Galloway, MD
Stephen Messier, MD
Candice Nelson, MD

Sanford Newborn Service
Stephen Messier, MD
Lauritz Meyer, MD
Gulsah Olgun, MD
Laurie Richards, MD
Community Service Highlights
- Dr. Kyle Baum worked on a project to improve early child literacy through the creation of a Little Free Library.
- Dr. Shehbeet Mangat and others assisted to organize a bake sale at Dakota Café to raise donations to Child’s Voice.
- Drs. Ashley Coaston Kuipers and Ana Nevarez Gilbert volunteered with Special Olympics of South Dakota to provide pre-participation physicals.
Craig Crismon, MD
Assistant Scoutmaster, Boy Scouts

Arielle Deutsch, PhD
ReNew Collaboration Bethany Christian Services
Advisory Board
Oglala Lakota Children's Justice Center Advisory Board

Pam Koepsell, MSN
Board Member, Sad Isn't Bad-Grief Support for children
Local Chapter Treasurer, P.E.O

Margaret Kuehler, MD
South Dakota EMS for Children

Stephen Messier, MD
Medical Director, NICU
Knights of Columbus Marquette Council, Cathedral Parish

Thayne Munce, PhD
Member, Sports Medicine Advisory Committee, South Dakota High School Activities Association (SDHSAA)

Sara Pepper, MD
Pediatric Department Chair, Avera Sacred Heart Hospital

Suzanne Reuter, MD
Assistant Dean, Medical Student Affairs Sioux Falls, USD SSOM
Chapter Advisor, SSOM Aequitas Health Honor Society

Amy Scepaniak, MS
Member, EHDI Advisory Council
Board Member, SD DakotaLink

Dennis Stevens, MD, MS
Annual Medical Student Research Poster Presentations, Judge (October, 2022)

April Willman, MD
Coach, Hogan Assessment Certification
Volunteer Coordinator, March to the Meridian
Sunday School Teacher, Trinity Lutheran Church
Saxophonist, Mount Marty University Concert and Jazz Band
Saxophonist, Yankton Area Summer Band

Nicole Zimmerman, MD
Pediatric Resident Member, Board of the South Dakota Chapter of the American Academy of Pediatrics

Regional Professional Services

Michelle Baack, MD
Advisor, American Physician Scientists Association (APSA) SD Chapter
Governor Appointed Member, South Dakota Medicaid

Advisory Board
Governor Appointed Member, South Dakota Medicaid
Pharmacy & Therapeutics Committee
Chair, Department of Pediatrics, USD SSOM

Craig Crismon, MD
Medical Director, Camp Gilbert (SD Diabetes Camp)

Christy Hockett, PhD
Invited Member, South Dakota Department of Education, South Dakota State of Child Wellbeing Data Initiative 2021-2023
Voting Member, South Dakota Rural Maternity Obstetrics Management Strategies (RMOMS-SD)
Network Governing Board, 2023 - present
Lead, ARI Data Management & Analysis Core, Avera Research Institute, 2021 – present
Director, Community Research, Avera Research Institute, 2019 – present

Marni Johnson Martin, AuD
SD Act Early Team
SD Plans of Safe Care Team
SD Early Hearing Detection & Intervention Advisory Board

DenYelle Kenyon, PhD
Member at Large, South Dakota Public Health Association

Lance Lee, PhD
Chair, 7th Annual Eastern South Dakota Research Symposium Organizing Committee
Committee Member, Biochemistry Program Graduate Committee, SDSU

Daniel Mark, MD
Member, SDAHO Pediatric Crisis Standards of Care Task Force

Lacey McCormack, PhD
Member (Appointed), Licensed Nutrition & Dietetics Advisory Committee, South Dakota Board of Medical & Osteopathic Examiners

Lauritz Meyer, MD
Board & Planning Committee Member, South Dakota Perinatal Association

Thayne Munce, PhD
State Representative, Executive Board, Northland Chapter of the American College of Sports Medicine (NACSM)

Nicole Poppinga, MD
Committee Member, East River Child Death Review

Maria Talavera-Barber, DO
Board Member, South Dakota Perinatal Association
(Conference organizer & recruitment of speakers)
National & International Professional Services

Prathapan Ayyappan, PhD

Michelle Baack, MD
Standing Member, NIH Nutrition & Metabolism in Health and Disease Study Section
Co-Organizer: 2022 Aspen Perinatal Biology Symposium
Associate Editor: American Journal of Perinatology

Francisco Bustos, PhD
Journal Peer Review: Biological Research, BRES-D-22-00517, and I Biological Research, BRES-D-22-00306_R1
Guest editor: Special issue of Biomolecules (IF 6.064), “Molecular and Cellular Basis for Rare Genetic Diseases”

Indra Chandrasekar, PhD
Journal Peer Review: MDPI journals, Cells
Grant Reviewer: NIGMS Review of Centers of Biomedical Research Excellence (COBRE) Phase 2 Applications, and the National Institute of Diabetes and Digestive and Kidney Disease – Innovative Science Accelerator Program

Arielle Deutsch, PhD
Research Society for Alcoholism (National Advocacy and Public Education and Diversity Committees)
Consulting Editor: Developmental Psychology

Kevin Francis, MD
Advisory Board member, RSH/Smith-Lemli-Opitz Foundation
Guest Editor: International Journal of Molecular Sciences, Special Issue “Disorders of Cholesterol Homeostasis”

Jacquelyn Grev, MD
Journal Peer Review: South Dakota Medicine, Cochrane Neonatal articles

Kurt Griffin, MD, PhD
UNC/NC State Laboratory: External Advisory Committee for Early Check (state-wide voluntary newborn screening (NBS) research program in North Carolina adding genomic sequencing to identify newborns with rare genetic conditions and to generate polygenic risk scores (PRS) including T1D)

Lacey McCormack, PhD
Invited Participant, The Commission on Dietetic Registration’s (CDR) Item Pool Review & New Item Bias Review meeting for the Registration Examination for Dietitians

NIDDK T1D Prevention Partnership
Consensus Monitoring Guidelines for Persons with Antibody-Positive Pre-Stage-3 Type 1 Diabetes (JDRF Supported)
Canadian T1D Screening Research Consortium (Diane Wherrett, PI)
Journal Peer Review: Diabetes Care
Pediatric Endocrine Society: Diabetes Special Interest Group Co-Chair 2018 – 2022, and Joint Working Group (Diabetes SIG / Drugs & Therapeutics Committee) to develop practice guidelines for teplizumab administration

Christine Hockett, PhD
NIH-nominated Member, ECHO Cycle 2 Interim Operations Committee
Invited Member, ECHO Cycle 2 REDCap Focus Group Member, ECHO Institutional Developmental Award (iDeA) States Pediatric Clinical Trials Network, Publications Committee Member, Advancing Clinical Trials in Neonatal Opioid Withdrawal Syndrome (ACT NOW) Publications Committee, iDeA States Pediatric Clinical Trials Network Representative

Jody Huber, MD
NBME Children’s Health Test Material Development Committee
Academic Pediatric Association Educational Scholars Program Advisor for Cohort 10

Michael Kareta, PhD
Journal Peer Review

DenYelle Kenyon, PhD
Guest Editor: Public Health Reports, Tribal Epidemiology Center Journal Supplement

Lance Lee, PhD
Trainee & Junior Scientist CV Reviewer, American Society for Cell Biology
Grant Reviewer: National Science Foundation
Journal Peer Review: Andrologia; Thorax; Journal of Medical Genetics; Frontiers of Medicine; Molecular Genetics & Genomic Medicine
Guest Associate Editor: Frontiers in Cell and Developmental Biology “Model Organisms for Cilia Research”
Review Editor: Frontiers in Cell and Developmental Biology

Lacey McCormack, PhD
Invited Participant, The Commission on Dietetic Registration’s (CDR) Item Pool Review & New Item Bias Review meeting for the Registration Examination for Dietitians
Health Nutrition
Abstract Reviewe: Academy of Nutrition & Dietetics
annual Food & Nutrition Conference & Expo (FNCE)

Eric Mittelstaedt, MD
Journal Peer Review: Manuscripts for Progress in Pediatric Cardiology

Thayne Munce, PhD
Leadership Board Member, National Youth Sports Health and Safety Institute (NYSHSI)
Member, Medical Advisory Panel, USA Football

Michael Naegle, MD
Program Representative, American Academy of Pediatrics Section of Pediatric Trainees

Nicole Poppinga, MD
AAP UTI Clinical Practice Guideline Group 3 Lead: Risk Factors/Prompt Medical Evals. Watchful waiting

Kyle Roux, PhD
Editorial board member for two journals
Journal Peer Review: Numerous other journals

Kameswaran Surendran, PhD
Co-moderator: “Genetics, Development and Therapies” at the American Society of Nephrology Kidney Week 2022 annual meeting
Panel Review: NIH/NIDDK Special Emphasis Panels-07/2022, 11/2022, 04/2023
Grant Review: NWO, the Dutch Research Council and the Croatian Science Foundation (HRZZ)
Abstract Review: American Society of Nephrology (ASN) 2022 Annual Meeting, Development, Stem Cells, and Regenerative Medicine Section

Maria Talavera-Barber, DO
Journal Peer Review: American Journal of Perinatology; Neonatology

Jianning Tao, PhD
Journal Peer Review: Several Journals
Research Topic Editor: Frontiers in Cell and Developmental Biology Journal

Conclusion
All in all, 2022-23 was a year of positivity and growth for the department of pediatrics. I feel extremely privileged to watch the department come “together in teaching, innovation and compassion” and I am excited about the trajectory. I have no doubt that together we are stronger and can do more great things for our patients, families, communities, and each other. Please join me in celebrating your many accomplishments and keep working to change the future, one child at a time.