



An Introduction to the Child Health Research Institute and Opportunities for Engagement

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- Interim Executive Director, Child Health Research Institute (CHRI)
- Professor, Division of Neonatology, University of Nebraska Medical Center
- Division Chief, Neonatology, Children's Hospital and Medical Center

Disclosures

- I am on the Steering Committee for the Great Plains IDeA - CTR

Child Health Research Institute

CHRI - Partnership and Collaboration



- Children's Hospital & Medical Center and University of Nebraska Medical Center
- Investigators, physicians, scientists, trainees, administrators
- Peers and greater research communities and organizations



Child Health Research Institute

CHRI - Partnership and Collaboration



Vision

To provide every child an equal opportunity for a healthy life through leading-edge innovation and discovery.

Mission

To support talented CHRI researchers in innovative research and collaborative discovery to improve the health of children everywhere.



CHRI - Goals

Elevate and Integrate Research: Foster, sustain and integrate high impact pediatric research across Children's Hospital & Medical Center, the University of Nebraska Medical Center, partner institutions, and the communities that we serve.

Develop Premier Investigators: Promote an environment that recruits, retains, and advances established investigators while strategically mentoring and investing resources to drive sustained growth of early-career faculty, our future leaders in child health research.

Ensure Our Discoveries Impact Child Health: Discoveries will be disseminated, discussed, critically reviewed and then integrated into practice in clinics, hospitals and populations to improve the health of every child and prepare each child for a fulfilling and productive life.

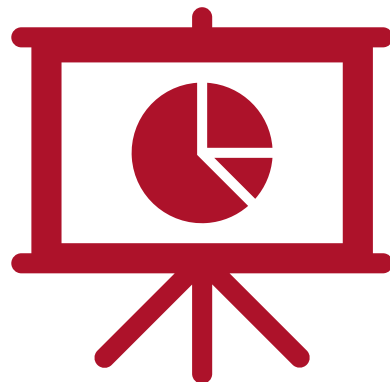


Key Metrics



234

Current
Members



260

Current
Studies*

*Including current Pfizer Covid-19 vaccine study



184

Patients
Enrolled
(12
months)

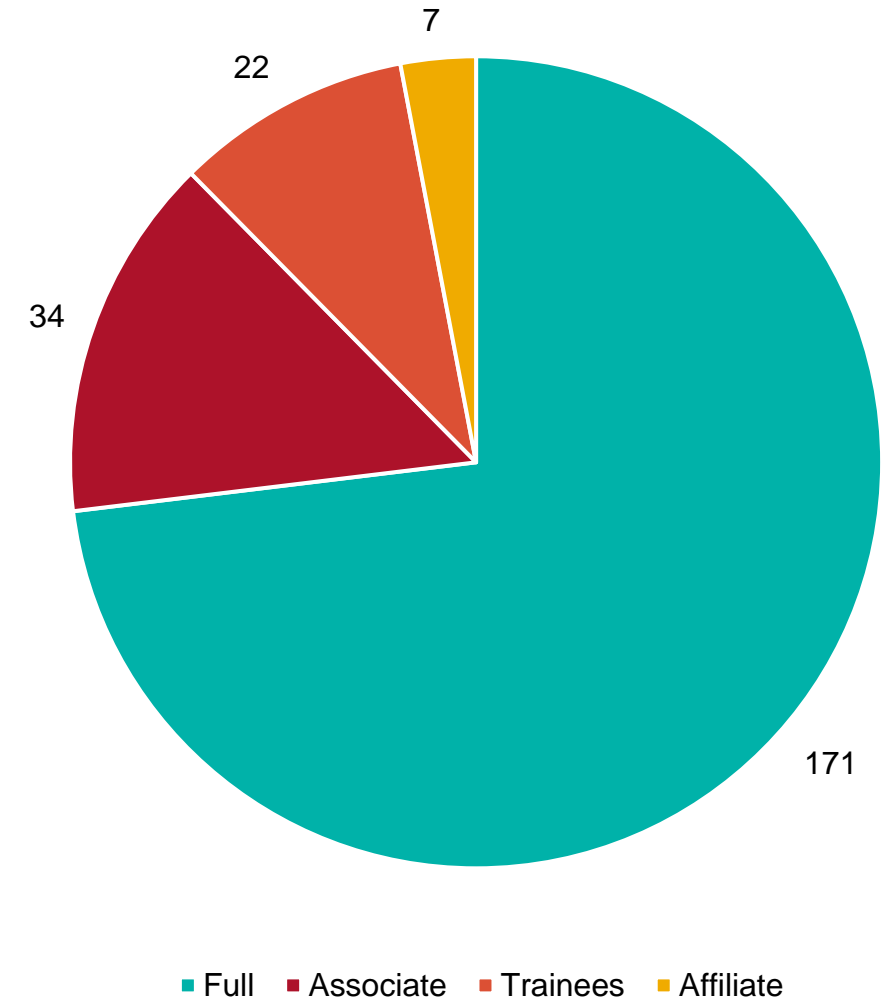
**Child Health
Research Institute**



Membership

- 234 members (65 new members in 2021)
- 111 Department of Pediatrics members
- Clinical affiliations include Children's, Boys Town, Nebraska Medicine, Madonna Rehabilitation Hospital

By Membership Type

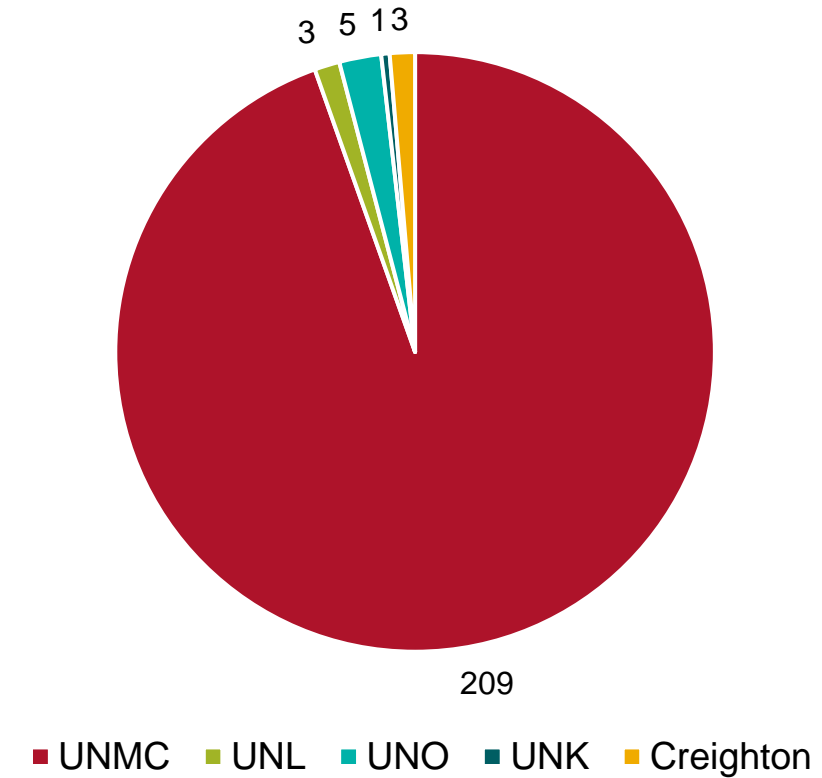


University of Nebraska Members College/Institute



- Medicine
- Nursing
- Public Health
- Monroe Meyer Institute
- College of Allied Health Professions
- Eppley Cancer Institute
- Truhlsen Eye Institute
- Engineering (UNL)
- Arts & Sciences (UNL)
- Education, Health and Human Sciences (UNO)/Education and Human Sciences (UNL)
- Information Science & Technology (UNO)

Academic Institutions



Membership Opportunity

- Four categories
 - Full, associate, affiliate and trainee
- Access to CHRI Resources
- Eligible for CHRI Funding Sources
- On contact list for events and updates
- Research Bulletin
 - Member features
 - Recent articles
 - Extramural funding opportunities



CHILD HEALTH RESEARCH INSTITUTE

AREAS OF EMPHASIS

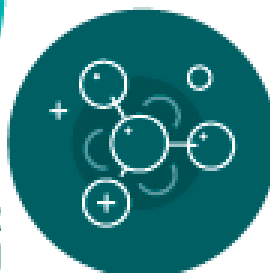
INNOVATION IN GLOBAL
HEALTH RESEARCH



EARLY LIFE ORIGINS OF DISEASE
& THERAPEUTIC OPPORTUNITIES



PEDIATRIC CANCER
RESEARCH



VISION

Every child will have an equal
opportunity for a healthy life.

MISSION

To improve the health of children
everywhere through innovative
research, collaborative discovery,
community engagement and
advocacy.



HEALTH SERVICES, POLICY
& POPULATION HEALTH



RESEARCH & INNOVATION IN
CHILDREN'S HEART DISEASES



IMPROVE HEALTH & HEALTH CARE FOR
CHILDREN WITH LIFESPAN DISEASES

**Child Health
Research Institute**

University of Nebraska
Medical Center

Children's
HOSPITAL & MEDICAL CENTER

Champions: Health Services, Policy & Population Health



Chad Abresch, PhD



Russell McCulloh, MD

Champions: Heart Disease



Camille Hancock Friesen, MD



Ling Li, MD, PhD



Angela Yetman, MD

Champions: Lifespan Diseases



Ashley Deschamp, MD



Teri Mauch, MD

Champions: Global Health



Shirley Delair, MD



Vicky Nakibuuka-Muli, MPA, MPH

*Not pictured Amy Rezac and Nick Kocmich

Champions: Pediatric Cancer Research Group

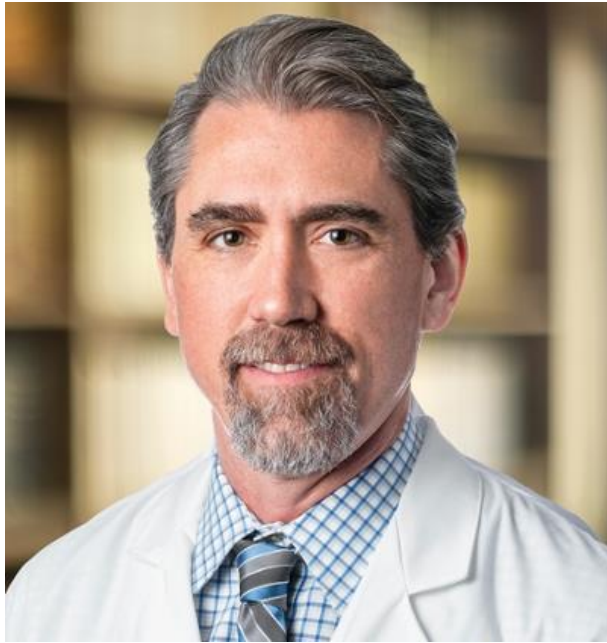


Don Coulter, MD



Sidharth Mahapatra, MD, PhD

Champions: Early Life Origin of Diseases



Matt Halanski, MD



Eric Peeples, MD



Bill Rizzo, MD

CHRI Events

- Seminar Series
- Area of Emphasis Mini Summits
- Pediatric Cancer Research Symposium (September 1)
- First annual CHRI Scientific Conference (Fall 2022)
- Biannual Pediatric Academic Workshops (August 27-28)



**Child Health
Research Institute**



CHRI Scholars Program



Eric Peeples, MD



Gwenn Skar, MD




Jeffrey Salomon, MD

CHRI Internal Advisory Board

- Brad Britigan, MD, Dean, College of Medicine, UNMC
- H. Dele Davies, MD, Senior Vice Chancellor for Academic Affairs, UNMC, Professor Division of Pediatric Infectious Diseases
- Kathy English Executive VP, COO, CNO at Children's Hospital & Medical Center
- Amy Hatcher Executive Vice President, Chief Financial Officer
- Cindy Heider, Vice President, Heider Family Foundation
- Jennifer Larsen, MD, Vice Chancellor for Research, UNMC
- Chris Maloney Executive Vice President, Chief Clinical Officer & Physician-in-Chief, Children's Hospital & Medical Center, Interim Chief, Division of Pediatric Endocrinology
- CT Williamson, Director of Health Access, Girls Inc.

Diversity, Equity and Inclusion

- CHRI leadership and staff are active task force members working with the Vice Chancellor for Research to improve diversity representation in research studies, grow a more diverse and inclusive workforce, and to build relationships with a variety of community organizations
 - UNMC Department of Pediatrics Anti-Racism Committee
 - Strategies for prioritizing DEI in hiring and work environment
- 

Funding Opportunities

- CHRI Grants
- PCRG Grants
- CHRI Scholar
 - Call for applications goes out as funding is available
 - 3 year, \$150,000k per year
- Several Grant Administrators on staff to support with external grant submission
 - Will work with you on the grant submission process, budgeting, supporting documents



Funding Opportunities

- CHRI Grants (Application on website)
 - Applications taken quarterly
 - February, May, August, November
 - Mini grants up to \$15,000
 - Pilot grants up to \$50,000
- PCRG Grants
 - Rolling application cycle (PCRG membership required)
 - Fund up to \$50,000 for cancer-related projects



Available Resources

- Pediatric Research Office – clinical research core
- Scientific Writer
- Biostatistician
- Grant administration support
- Research administration support





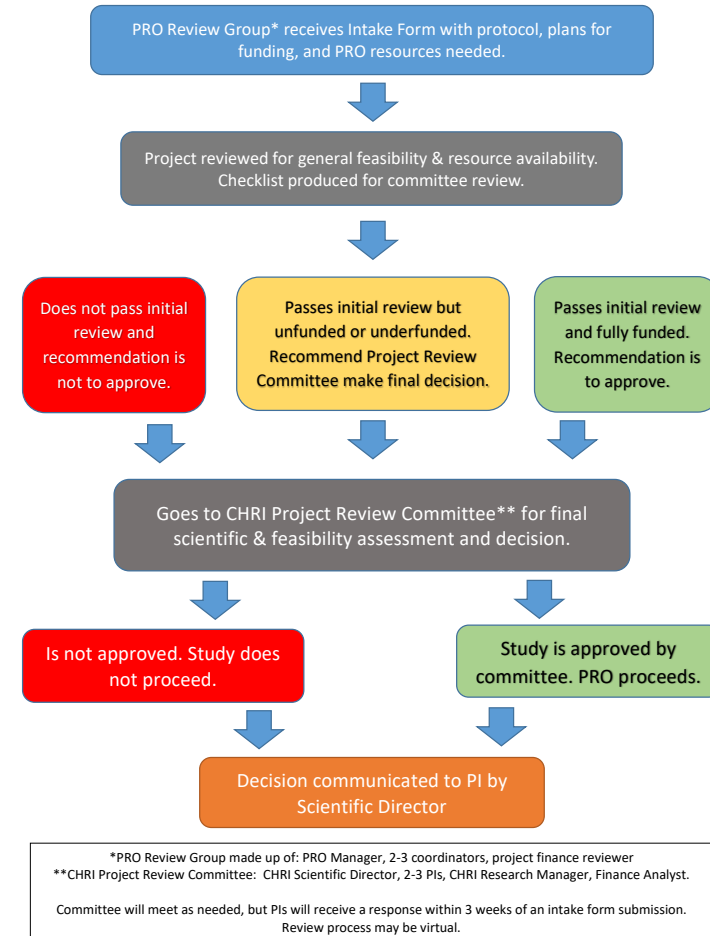
Pediatric Research Office - support

- Study planning consultation
- Regulatory consultation
- Regulatory documentation
- Initial IRB application
- IRB submissions and yearly updates
- Study coordination
- Subject recruitment
- Subject visits & assessments
- Database development
- Data & source management
- Data entry
- Budget
- Contract
- Matrix development & maintenance



Pediatric Research Office – intake process

- Assess the level of support needed for a study
 - personnel needs
 - financial needs
- All investigators complete and submit a PRO Intake Form for review
- A study protocol and proposed budget must be included



Grant/Scientific Writer



Matt Sandbulte, PhD

- Assistance with proposal development and editing grants
- Built and maintains a library of materials needed during the grant preparation and submission process
- Collaborates with all faculty and trainees of all levels of experience to develop high-quality proposals
- Locates and identifies potential funding sources to support CHRI research projects.

Biostatistician – Junghyae Lee, PhD, MPH

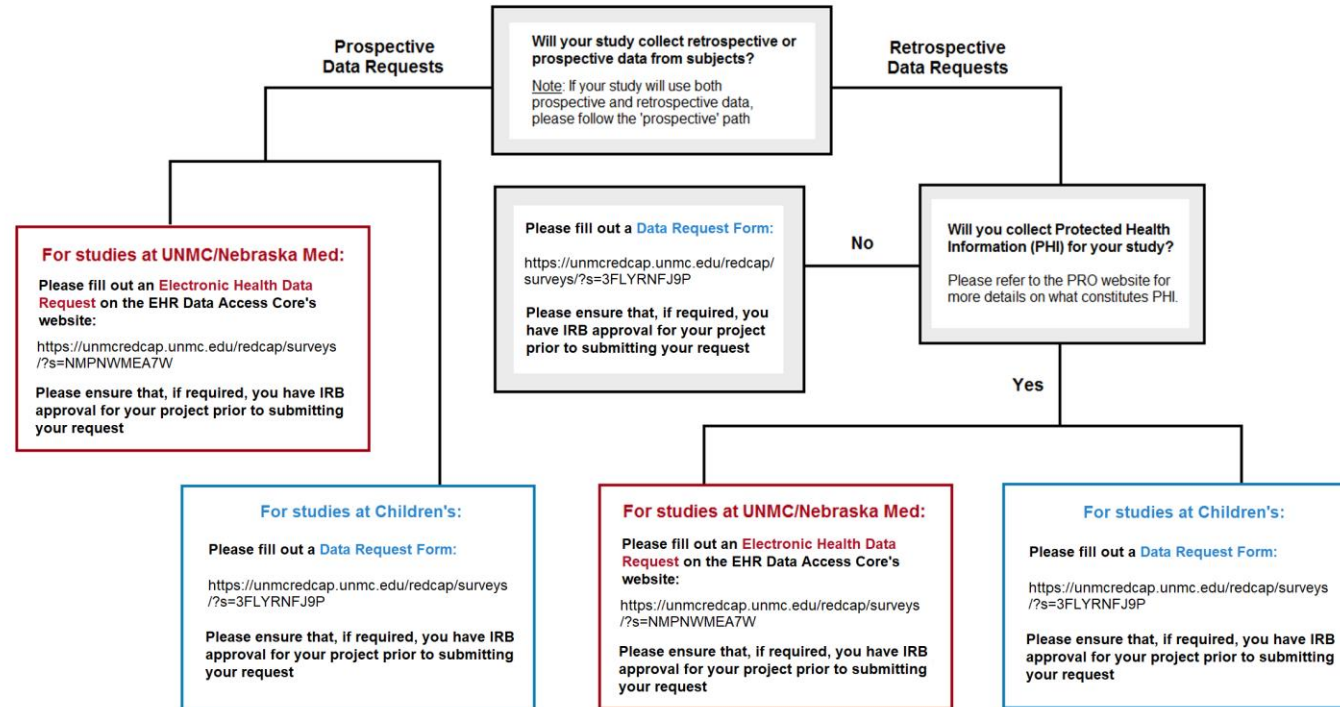
- Dr. Lee is dedicated to supporting CHRI investigators with assistance in research design and biostatistics
- CHRI members are encouraged to consult with Dr. Lee *early* in their research projects
- Support is available ranging from experimental design and calculating required sample size to analysis of data sets and portrayal of data in presentations and manuscripts.
- An online project intake form is available on the website
- *To ensure adequate time to work together and fulfill your objectives successfully, CHRI leadership strongly recommends you contact Dr. Lee in accordance with the timelines on the website.*
- These align with the established service request timelines that the UNMC Center for Collaboration on Research Design & Analysis (CCORDA) asks investigators to follow.

Task	Time Before Deadline
External Grant Submission	6-8 weeks
CHRI Pilot Grant	2-4 weeks
IDeA-CTR Pilot Grant	2-4 weeks
Manuscript	3 weeks
Abstract	2 weeks
Presentation/Poster	2 weeks

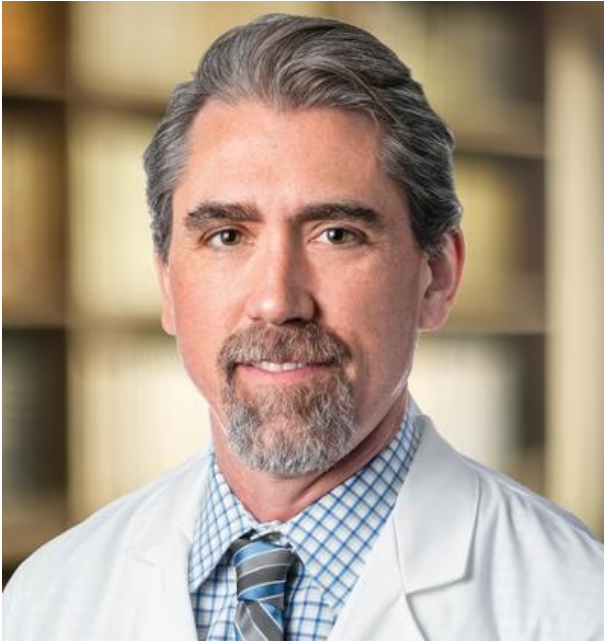
email Junghyae.lee@unmc.edu

Data Request Process

CHRI Data Requests Diagram



CHRI Success Stories



Matt Halanski, MD



Gwenn Skar, MD



Jeffrey Salomon, MD

Looking Ahead

- Partnership with Great Plain IDeA CTR
- Assembling national scientific advisory board
- Increased mentorship opportunities and pipeline development programming
- Organization of highly collaborative events with hybrid participation available to connect investigators across the region and inspire innovation
- Increase awareness of CHRI and its mission, vision and activities on local, regional and national scale
- Support innovations in device development through a relationship with the SouthWest National Pediatric Device Innovation Consortium



Contact Us

- Ann Anderson Berry, MD, PhD – alanders@unmc.edu
- Bill Rizzo, MD – Scientific Director, CHRI - wrizzo@unmc.edu
- Lisa Runco – CHRI Administrator lisa.runo@unmc.edu
- Ashley Servais, MS – Senior Research Manager, Pediatric Research Office - ashley.servais@unmc.edu
- CHRI website - <https://www.unmc.edu/chri/index.html>
- CHRI general email – CHRI@unmc.edu