

Great Plains IDeA-CTR Clinical and Translational Research 1st Annual Scientific Meeting



Agenda – October 23, 2017

7:30 a.m. **Registration / hot breakfast**

8:15 a.m.

Welcome and Opening Remarks

Matthew Rizzo, MD FAAN

Francis & Edgar Reynolds Chair and Professor of the Department of Neurological Sciences at the UNMC
Co-Director of the Nebraska Neuroscience Alliance

With

Jennifer Larsen, MD

Vice Chancellor for Research, UNMC

9:15 a.m.

Catalyzing Translational Innovation

Christopher Austin, MD

Director, National Center for Advancing Translational Sciences, National Institutes of Health

10:15 a.m.

Break

10:30 a.m.

Great Plains IDeA-CTR Advances and Resources for Researchers

Moderator: Matthew Rizzo, MD FAAN

Francis & Edgar Reynolds Chair and Professor of the Department of Neurological Sciences at the UNMC
Co-Director of the Nebraska Neuroscience Alliance

KCA Directors (See page 4)

11:30 a.m.

Provided lunch

12:30 p.m.

Community Perspectives on Research Panel: Experiences in Community-Engaged Research

Moderator: Paul Estabrooks, PhD

Harold M. Maurer Distinguished Chair, Professor Department of Health Promotions, Social & Behavior Health, UNMC

Panelists: Mary Cramer, PhD RN

Professor, College of Nursing, UNMC

Axel Fuentes

Community Organizer

Keyonna King, PhD

Assistant Professor, Department of Health Promotion, Social & Behavioral Health, UNMC

Stephen Lazoritz, MD CPE

Medical Director, Arbor Health Plan

Athena K. Ramos, PhD

Community Health Program Manager / Instructor, Center for Reducing Health Disparities, UNMC

1:30 p.m.

Mock Grant Application Review

Moderator: Lani Zimmerman PhD RN

Niedfelt Professor, CON, UNMC

CTR-Mentored Scholars Program Director

Panelists: David Dzewaltowski, PhD

Endowed Community Chair and Professor, College of Public Health, UNMC

Paul Estabrooks, PhD

Harold M. Maurer Distinguished Chair, Professor Department of Health Promotions, Social & Behavior Health, UNMC

Ted Mikuls, MD MSPH

Umbach Professor, Vice Chairman of Research, Department of Internal Medicine, UNMC

Joseph Sisson, MD

Larson Professor of Medicine, UNMC

2:45 p.m.

Break

3:00 p.m.

Scholar and Pilot Awardees Presentations

Moderator: Ted Mikuls, MD MSPH

Umbach Professor, Vice Chairman of Research, Department of Internal Medicine, UNMC

Scholars and Pilot Awardees (See page 5)

4:45 p.m.

Poster and Networking Session

Scholar/Pilot Awardees & CTR Research Resources
Appetizers and Cash bar

6:30 p.m.

CTR Superstar Competition / Dinner

Moderator: Matthew Rizzo, MD FAAN

PI, Great Plains IDeA-CTR

Panelists: Chuck Gulash

Sr. Executive Engineer

Director, Collaborative Safety Research Center, Toyota

Tyler Martin, MD

Chairman and CEO, Adjuvance Technologies

Angela Pannier, PhD

Biomedical Engineer and Associate Professor
William E. Brooks Engineering Leadership Fellow, UNL

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Agenda – October 24, 2017

7:30 a.m. Continental breakfast

8:00 a.m.

Health Disparities / Community Priorities for Clinical and Translational Research

Moderator: David Palm, PhD

Associate Professor, Department of Health Services Research and Administration, UNMC

Panelists: Wayne Houston, MPA

North Omaha Community Liaison, Center for Reducing Health Disparities, UNMC

Susan Mayberger

South Omaha Community Care Council

Don Warne

Chair, Department of Public Health, North Dakota State University

9:00 a.m.

Interactive Workshops (Choose one)

Mining Data for Knowledge: Translational Biomedical Informatics Opportunities in the Great Plains-IDEA-CTR

James C. McClay, MD

Associate Professor, College of Medicine, UNMC
Program Director, Biomedical Informatics Graduate Program, UNMC/UNO

W. Scott Campbell, PhD MBA

Assistant Professor, Department of Pathology and Microbiology, UNMC

Grant Writing

Paul Casella, MFA

Founding Member, Health Care Communications Group

Biostatistics and Existing CTR Data Resources

Fang Yu, PhD

Professor, Department of Biostatistics, UNMC
Director, Biostatistics, Epidemiology and Research Design KCA

Shinobu Watanabe-Galloway, PhD

Associate Professor, Department of Epidemiology, UNMC
Co-Director, Biostatistics, Epidemiology and Research Design KCA

Engaging the Community in Research

Paul Estabrooks, PhD

Harold M. Maurer Distinguished Chair, Professor
Department of Health Promotions, Social & Behavior Health, UNMC

10:30 a.m. Break

10:45 a.m.

Clinical Research Resources Across the Region

Moderator: Babu Guda, PhD

Professor & Chief Bioinformatics & Research Computing Officer; Co-Director, Biomedical Informatics and Cyberinfrastructure Enhancement KCA

Institutional Coordinators (See page 4)

12:15 p.m.

Closing Remarks

Matthew Rizzo, MD, FAAN

Francis & Edgar Reynolds Chair and Professor of the Department of Neurological Sciences at the UNMC
Co-Director of the Nebraska Neuroscience Alliance

CME CREDIT INFORMATION

The University of Nebraska Medical Center, Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The University of Nebraska Medical Center, Center for Continuing Education designates this live activity for a maximum of 9.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CNE CREDIT INFORMATION

The University of Nebraska Medical Center, College of Nursing Continuing Nursing Education is accredited with distinction as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. This activity is provided for 9.75 contact hours under ANCC criteria.

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the American Nurses Credentialing Center's Commission on Accreditation (ANCC) through the joint providership of the University of Nebraska Medical Center College of Nursing Continuing Nursing Education (UNMC CON CNE) (provider), University of Nebraska Medical Center, Center for Continuing Education (UNMC CCE) and Great Plains IDeA-CTR.

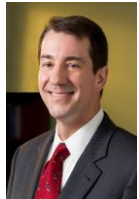
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Opening Speaker Bios:

Christopher P. Austin, M.D.

Director, National Center for Advancing Translational Sciences, National Institutes of Health



Christopher Austin is director of the National Center for Advancing Translational Sciences (NCATS) at the National Institutes of Health (NIH). NCATS' mission is to enhance the development, testing, and implementation of diagnostics and therapeutics across a wide range of human diseases and conditions. The Center collaborates with other government agencies, industry, academia, and the nonprofit community. Before joining NIH in 2002, Dr. Austin directed research and drug development programs at Merck, with a focus on schizophrenia. In 2016, he was elected chair of the International Rare Disease Research Consortium (IRDiRC). He earned his M.D. from Harvard Medical School, and completed clinical training at Massachusetts General Hospital and a research fellowship in genetics at Harvard.

Jennifer Larsen, M.D.

Dr. Jennifer Larsen, vice chancellor for research, is an active clinical/translational investigator and former associate vice chancellor for clinical research.



She also was the first associate dean for Clinical Research for the College of Medicine and is the director of the Center for Clinical and Translational Research.

The Louise and Morton Degen Professor of Internal Medicine, Dr. Larsen has focused her research on the metabolic consequences of organ transplantation. She co-authored the American Diabetes Association Position Statement on Pancreas and Islet Transplantation, the 2003 National Kidney Foundation (NKF) task force on Diabetes and Kidney

Transplantation, and was a member of the NKF task force for the evaluation of the Living Donor for Kidney Transplantation.

Her current research, funded by the National Institutes of Health, evaluates the role of potential nontraditional risk factors in vascular disease after kidney transplantation. She also has worked with many regional Native American tribes to evaluate novel risk factors and effective strategies that reduce risk of diabetes in youth and adults.

She serves on the advisory committee for the Northern Plains Tribal Epidemiology Center, which is focused on reducing health disparities for the 18 tribes of the Aberdeen area. Nationally, she has held multiple leadership positions within the American Federation of Clinical Research, the Association for Program Directors in Endocrinology and Metabolism, and The Endocrine Society.

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Great Plains IDeA-CTR Steering Committee

Administrative Core –

Matthew Rizzo, MD
Principle Investigator / Project Director
Howard Fox, MD
Director, Pilot Project Program
Paul Estabrooks, PhD
Co-Investigator / Co-Director

Biomedical Informatics & Cyberinfrastructure –

Jim McClay, MD
Director, Biomedical Informatics and Cyberinfrastructure
KCA
Ashok Mudgapalli, PhD
Operations Director, Biomedical Informatics and
Cyberinfrastructure KCA

Ann Fruhling, PhD
Co-Director, Biomedical Informatics and
Cyberinfrastructure KCA

Babu Guda, PhD
Co-Director, Biomedical Informatics and
Cyberinfrastructure KCA

Biostatistics, Epidemiology and Research Design KCA -

Fang Yu, PhD
Director, Biostatistics, Epidemiology and Research
Design KCA

Shinobu Watanabe-Galloway, PhD
Co-Director, Biostatistics, Epidemiology and Research
Design KCA

Community Engagement & Outreach –

Risto Rautiainen, PhD
Director, Community Engagement
Dave Palm, PhD
Chair, Community Advisory Board
Heidi Keeler, PhD RN
IDeA-CTR Community Liaison

Professional Development –

Ted Mikuls, MD MSPH
Director, Professional Development KCA
Lani (Chi Chi) Zimmerman, PhD
Operations Director, Professional Development KCA

Tracking & Evaluation -

Mary Cramer, PhD RN
Director, Tracking and Evaluation KCA

Institutional Coordinators -

Kimberly Carlson, PhD
University of Nebraska - Kearney

Jonathan Geiger, PhD
University of North Dakota

Dave Hansen, PhD
University of Nebraska - Lincoln

Lori Leibold, PhD
Boys Town National Research Hospital

Mark McCourt, PhD
North Dakota State University

Robin Miskimins, PhD
University South Dakota

Sara Myers, PhD
University of Nebraska - Omaha

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CTR Scholars:

Deeptha Ghate, MD, Assistant Professor, Department of Ophthalmology & Visual Sciences, UNMC

Estimation of effective field of view and awareness of visual deficits in a naturalistic environment

Soonjo Hwang, MD, Assistant Professor, Department of Psychiatry, UNMC
Determining the Impact of Oxytocin on the Neural Mechanisms of Irritability and Emotional Dysregulation in the Pediatric Population

Anthony Podany, Pharm D, Assistant Professor, College of Pharmacy, UNMC
Clinical Pharmacology of Efavirenz Combined with High Dose Rifampine

Daniel Rasetshwane, PhD, Director, Auditory Signal Processing Laboratory. Boys Town National Research Hospital
A Physiologically Based and Technically Rigorous Approach to Treating Hearing Loss

Pilots:

Debra Hope, PhD, Professor, Department of Psychology, UNL
From Community to Clinical Trials: Translating Tools and Expanding Partnerships in Preparation for Clinical Trials to Reduce Mental Health Disparities in Underserved Transgender Communities

Thuy Koll, MD, Instructor, Division of Geriatric Medicine, Department of Internal Medicine, UNMC
Cognition, Physical Function and Quality of Life Following Stem Cell Transplantation in Older Adults

Robin Lally, PhD, MS, BA, RN, AOCN, Professor, Fred & Pamela Buffett Cancer Center, College of Nursing, UNMC

Facilitating Oncology Patient-Clinician Communication via E-health Innovations

Jung Lim, PhD, Associate Professor, Department of Mechanical and Materials Engineering, UNL
Peripheral Nerve Regeneration with Novel Graphene Nerve Guidance Conduit

Lisa McFadden, PhD, Assistant Professor, Division of Basic Biomedical Sciences, USD
Dirty Little Secrets: Wastewater Epidemiology Use to Determine Community Drug Use

Mahesh Pattabiraman, PhD, Associate Professor, Department of Chemistry, UNK
Incarvillateine analogs as non-opioid alternative for geriatric pain management

Scott Pattison, PhD, Assistant Professor, Basic Biomedical Sciences, USD
CMA-targeting peptide technology: a novel strategy to selectively clear a cardiac disease-causing mutant protein

Jingwei Xie, PhD, Assistant Professor, Department of Surgery-Transplant and Regenerative Medicine Program, UNMC
Injectable and Expandable Nanofiber Foams for Treating Non-compressible Hemorrhage

Chi Zhang, MD, Assistant Professor, Department of Radiation Oncology, Fred & Pamela Buffett Cancer Center, UNMC
Targeting Androgen Receptors to Treat Glioblastoma (GBM), a Translational Research Using Primary Human GBM Cell Cultures and Animal models