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

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

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
CTR Scholars:

Deepta 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 Rifapentine

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
Incarvillatein 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