

# Planning Grant Award Recipients

July 1, 2018



Project Title	PI Name	Co-PI Name	Participating Campuses/ Institutions
Contributions of Individual Differences and Context on Dual-Task Performance in Adults: Maintaining Independence and Well-Being in Older Adulthood	Julie Blaskewicz Boron, UNO	Jennifer (Jenna) Yentes Dawn Venema Jeffrey (Jeff) French	UNO UNMC UNO
Improving the Intersection of Policies, Practices, and Health Behaviors in Childcare: A Systems Approach to Childhood Obesity Prevention	Danae Dinkel, UNO	Dipti Dev Matthew Bice Debora Wisneski Miriam Kuhn Anne Karabon Kerry-Ann Escayg Holly Hatton-Bowers	UNL UNK UNO UNO UNO UNO UNL
Collaborative Research: Estimation of Landfill Gas Emission through a Final Cover with Ethylene Vinyl-alcohol (EVOH) Geomembrane and Environmental Impact	Jongwan Eun, UNL	Shannon Bartelt-Hunt Chandran Achutan Yunwoo Nam	UNL UNMC UNL
Nebraska Sandhills as a case study for understanding and communicating the complexity of coupled grassland and aquatic systems	Mary Harner, UNK	David Dunigan Michael Farrell Michael Forsberg Aaron Mittelstet Daniel Snow James Van Etten	UNL UNL UNL UNL UNL UNL
Impact of Iron Supplementation on the Gut Microbiome and Necrotizing Enterocolitis in Preterm Neonates	Tricia LeVan, UNMC	Ann Anderson Berry Corrine Hanson Bradley Britigan Rohita Sinha Karrie Weber Fang Qiu	UNMC UNMC UNMC UNL UNL UNMC

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Exoskeletons for Rehabilitation and Mobility Assistance	Philippe Malcolm, UNO	Kota Takahashi Carl Nelson	UNO UNL
Evaluation of simulation-based training in healthcare education and its impact on the delivery and quality of health care	Maheswari Mukherjee, UNMC	Ann Anderson Berry Corrine Hanson David Warren Sathish Natarajan Christina Jackson	UNMC UNMC UNMC UNL UNMC
Artificial intelligence technology and data mining for the development of a low cost method to recognize valvular heart disease in the classroom and clinical setting	Edward O'Leary, UNMC	Hani Haider Hamid Vakilzadian	UNMC UNL
Finding order in chaos: a systematic approach to turbulence control	Jae Sung Park, UNL	Timothy Wei Sangjin Ryu Kyungyong Lee Jia Huang	UNL UNL UNL UNK
Molecular Mechanisms Underlying Bacterial Persistence	Kurt Piepenbrink, UNL	Ken Bayles Dustin Loy Paul Fey Austin Nuxoll	UNMC UNL UNMC UNK
3D Bioprinting of Vascularized Muscle Tissue for Medicine and Food	Ali Tamayol, UNL	Michael Sealy Bin Duan Yuguo Lei Ryan Pedrigi	UNL UNMC UNL UNL

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UNIVERSITY OF  
**Nebraska**



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Planning a Consortium for Attracting Strong NSF Funding for Science Education Research	Paul Twigg, UNK	Christine Cutucache Nealy Grandgenett Nicholas Hobbs William Tapprich	UNO UNO UNK UNO
Developing Systems Approaches for Producing Valuable Products from Lignin	Mark Wilkins, UNL	Paul Twigg Edgar Cahoon Rajib Saha	UNK UNL UNL
A health system level approach to integrate weight management, obesity care coordination, patient engagement and clinical trial recruitment.	Changmin Yan, UNL	James McClay Ashok Mudgapalli Christopher Wichman Paul Estabrooks Jennie Hill Dejun Su Jane Meza Kate Heelan Adam Wagler Michael Hanus Ming Wang	UNMC UNMC UNMC UNMC UNMC UNMC UNMC UNK UNL UNL UNL
Leveraging genomics, phenomics and irrigation management (GPI) to improve water use efficiency of maize	Jinliang Yang, UNL	Xiaoyue Cheng P. Stephen Baenziger Xin Qiao Yeyin Shi	UNO UNL UNL UNL
Development of Antimycobacterial Drugs Targeting Iron Metabolism	Limei Zhang, UNL	Bradley Britigan Prabakaran Narayanasamy Javier Seravalli	UNMC UNMC UNL