

Collaboration Initiative
Reliminary Data and Application Preparation Grants
 July 1, 2021



| Proposal Title | Researcher | H | Campus |
|--|----------------------------|----------|-------------|
| Anharmonic soft semiconductor under pressure | Yinsheng Guo | H | UNL |
| | Xiao Zeng | | UNL |
| | Wai Ning Mei | | UNO |
| | Javed Iqbal | H | UNL |
| | Amy Schmidt | | UNL |
| | Ejesh Mahajan | | UNL |
| | Ejesh Mahajan | | UNL |
| | Aaron Yoder | | UNMC |
| | Amy Schmidt | | UNL |
| | Kurt Heperbink | H | UNL |
| | H-Wan Cheng | | UNMC |
| Augmented Reality for Avatar-Based Metronomes to Improve Human Movement | Jennifer Auchtung | | UNL |
| | Spyridon Mastorakis | H | UNO |
| | Iason Konstantzos | | UNL |
| | Iakis Epinos | | UNMC |
| | Aaron Z | A | NZ |

Collaboration Initiative
Preliminary Data and Application Preparation Grants
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| Proposal Title | Researcher | H | Campus |
|--|--|----------|---|
| Community Participatory Based Research on Health Disparities Among Immigrants and Refugees in Central Nebraska | Michelle Warren Richard Mccaski Athena Ramos Gistian Dora Chance Bell Charita Diaz DeBose Christine Chasek Laurinda Wisse Trey Andrews Lory Dorce Ben Malczyk | H | UNK UNK UNMC UNO UNK UNK UNK UNK UNL UNL UNK |
| Community Perspectives on the Requirement of Psychosocial Assessment for Gender Affirmation Medical Care in Comparison Pilot Data to Inform a Federal Proposal Resubmission | Debra Hpe Richard Mccaski Sharon Obasi | H | UNL UNK UNK |
| Decreasing Morbidity of Hp Dysplasia in Cerebral Palsy: Extending Novel Guided Growth Strategies to the Hp | Matthew Hlanski Jorge Zuriga Ulca | H | UNMC UNO |
| Detecting the Walking Phases with Raised Oxygen Costs for Targeted Therapy | Philippe Malcolm Iaklis Epinos Keegan Moore | H | UNO UNMC UNL |
| Development and In Vivo Evaluation of Mechanically and Chemically Optimized Elastomeric Nanofibillar Grafts for Vascular Repair | Stephen Morin Jason MacEggart Kaspas Maledis | H | UNL UNMC UNO |

Collaboration Initiative
Reimbursement Data and Application Preparation Grants
July 1, 2021

Collaboration Initiative
Preliminary Data and Application Preparation Grants
 July 1, 2021



| Proposal Title | Researcher | H | Campus |
|--|------------------------------|----------|---------------|
| Rapid Discovery of Novel Antifungal Peptides with Machine Learning Algorithms to Improve Safety, Quality, and Shelf Life of Clean Label Food Products | Changyou Xu | H | UNL |
| | Yuzhen Zhou | | UNL |
| | Gus Wang | | UNMC |
| Reducing loneliness in aging adults with mild cognitive impairment through smart assistant | Valerie Jones | H | UNL |
| | Jill Blasiewicz Brown | | UNO |
| | Marcia Shade | | UNMC |
| | Changmin Yan | | UNL |
| Trends in Violent Hospital Admissions and Grief during the COVID 19 Pandemic | Charity Evans | H | UNMC |
| | Gaylene Armstrong | | UNO |
| | Crystal Krause | | UNMC |
| Ultrasonic monitoring of State of Charge and Health of Lithium Ion Batteries | Jinying Zhu | H | UNL |
| | Xiaoyue Zoe Cheng | | UNO |
| | Congui Jin | | UNL |
| | Kaustav Mjunder | H | UNL |
| | Matthew Zimmernan | | UNMC |
| | Ananda Ramer Teit | | UNL |