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Aaron Linnell
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 167
Poster title: Assessing How Developers Detect Defects in UML Class Diagrams
Advisor: Bonita Sharif

Abbey Dyer
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 84
Poster title: Project View: Visual Impairments Education in Writing
Advisor: Michael Hebert

AD Banse
Research group: Digital Legal Research Lab
Poster location: 66
Poster title: Legal Strategies Used by Black Male Litigants during the Antebellum Era
Advisor: Katrina Jagodinsky

Addie Wright
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 89
Poster title: Tick collection in Western Nebraska for Identification of Breed and Density
Advisor: Roberto Cortinas

Aidan Larsen
Research group: Nebraska Center for Energy Sciences Research Interns (NCESR), Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 134
Poster title: Synthesis of Organic Electroactive Polymers for Energy Applications
Advisor: Siamek Nejati

Aidan Power
Research group: Bioenergy Systems
Poster location: 124
Poster title: Effects of nitrogen fertilizer on the sugar and ethanol production of C. Sativa
Advisor: Mark Wilkins

Aiden Atkins
Research group: Biomedical Engineering
Poster location: 173
Poster title: PEGylation of SWNT Sensors for Enhanced Quantification of Extracellular NO Concentration
Advisor: Nicole Iverson

Alayna Schneider
Research group: Lasers and Optics
Producing Entangled Photons with Spontaneous Parametric Down-Conversion (SPDC)
Advisor: Matthias Fuchs

Alberto Blasini
Research group: Health Equity
Poster location: 96
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Advisor: Patrick Habecker

Alessandra Arnoldi
Research group: Beneficial Insects
Poster location: 8
Poster title: Plant Feeding Mosquitoes from Pollinator Gardens on East Campus (Lincoln NE)
Advisor: Troy Anderson

Alexa Nolan
Research group: Applied Phenotyping Technology
Poster location: 5
Poster title: Developmental Responses of Gene Edited Sorghum to Nitrogen Deficit Stress
Advisor: James Schnable

Alexander Belashchenko
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 106
Poster title: D-alanine Transaminase Activity in Mycobacterium smegmatis Peptidoglycan Biosynthesis
Advisor: Raul Barletta

Alexander Sandquist
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Poster title: Surface Modification of Mechanically Tuned Synthetic Vascular Grafts with Anticoagulants for Improved Antithrombotic Properties
Advisor: Stephen Morin

Alison Regina
Research group: Chemistry
Poster location: 50
Poster title: Finding N20 Aptamers to Monitor Neuropeptide Y
Advisor: Rebecca Lai

Alondra Asencio Tejeda
Research group: Health Equity
Poster location: 93
Poster title: Acculturation and Internalizing vs Externalizing Symptom Presentations Among Latinx Youth
Advisor: Arthur R. Andrews III
Alora Schneider
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Poster title: Prey Preference of Green Lacewing (Chrysopa sp.) Mediated by Phytochemicals Produced by Host Plants of their Aphid Prey
Advisor: Brigitte Tenhumberg

Amber Gadeken
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 19
Poster title: Characterization of Iron-Sulfur Biosynthesis Proteins in Mycobacteria Tuberculosis
Advisor: Limei Zhang

Amir Tarkian
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 154
Poster title: Strain-Induced Magnetic Properties of Amorphous Iron-Germanium Films
Advisor: Robert Streubel

Amy Mattern
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 84
Poster title: Project View: Visual Impairments Education in Writing
Advisor: Michael Herbert

Andy Vo
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 65
Poster title: makeFACT
Advisor: Jeffrey L. Day

Anna Dho
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
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Poster title: Effects of zebrafish personality on reversal learning in 2 choice task
Advisor: Ryan Wong

Anna Miles
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: David Karle

Anna Xu
Research group: Applied Unmanned Systems
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Annabella Pizzi  
Research group: Digital Legal Research Lab  
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Advisor: Katrina Jagodinsky

Anya Campbell  
Research group: Virology  
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Advisor: David Dunigan

Arden Hatch  
Research group: Chemistry  
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Advisor: David Hage

Arnav Soni  
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns  
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Poster title: The Mechanics of Superconducting Quantum Interference Device  
Advisor: Xiaoshan Xu

Austin Lord  
Research group: Sustainability of Civil Infrastructures  
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Poster title: Effects of future climate change on groundwater nitrate concentration  
Advisor: Yusong Li

Autumn Green  
Research group: Digital Legal Research Lab  
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Poster title: Independent Living Claims in Freedom Suits  
Advisor: William Thomas III, Katrina Jagodinsky

Benjamin Hammons  
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns  
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Poster title: Wire Bonding to Thin Films for Ferromagnetic Resonance & Optically Detected Magnetic Resonance Measurements  
Advisor: Abdelghani Laraoui

Benjamin Janssen  
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster title: Floral survey of the boundary between Central Nebraska Loess Hills and Central Loess Plains in Hamilton County, Nebraska
Advisor: John Guretzky

Benjamin Moritz
Research group: Chemistry
Poster title: A Rubric for Characterizing Student Analysis of Conflicting Data
Advisor: Alena Moon

Benjamin Niyodusenga
Research group: Building Ecological Skillsets for Transitions to Sustainability in Agriculture and Food Systems (BEST) REEU Fellowship
Poster title: Effects of animal integration and nitrogen fertilization on greenhouse gas emissions
Advisor: Martha Mamo

Benjamin Vyzourek
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster title: Development of an mRNA Vaccine against Human H3 Influenza A Virus
Advisor: Eric Weaver

Betty Dessie
Research group: McNair, Undergraduate Creative Activities and Research Activities (UCARE)
Poster title: Investigating the Age-Dependent Role of DAF-16-Mediated Immunity During S. maltophilia Infection
Advisor: Michael Herman

Brianna Ryan
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster title: Controlled Electropolymerized Organic Coatings for Ion Separations
Advisor: Siamak Nejati

Brooke Bouwens
Research group: Applied Phenotyping Technology
Poster title: Using Hyperspectral Reflectance from Maize Hybrids and their Inbred Parents to Investigate Hybrid Vigor for Leaf Traits
Advisor: James Schnable

Bryce Herrington
Research group: Nebraska Center for Energy Sciences Research Interns (NCESR)
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Caleb Jacobs
Research group: Chemistry
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Advisor: Alexander Sinitskii

Camden Olds
Research group: Nebraska Center for Energy Sciences Research Interns (NCESR)
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Advisor: Xiaoshan Xu

Camilo Colon
Research group: Applied Phenotyping Technology
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Advisor: Katherine Frels

Chad Alexander
Research group: John Woollam Scholars
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Advisor: Florin Bobaru

Chanasei Ziemann
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Clara Perez
Research group: McNair, Undergraduate Creative Activities and Research Activities (UCARE)
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Clarice Ann Santos
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Clayton Christensen
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Advisor: Scott Barrett

Cole Blasing
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: James Checco

Corbin Park
Research group: Applied Unmanned Systems
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Advisor: Justin Bradley

Dalton Dencklau
Research group: Virology
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Advisor: Eric A. Weaver

Daniel Calco
Research group: Applied Unmanned Systems
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Advisor: Brittany Duncan

Daniel Kumm
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
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Advisor: Rebecca Lai

Darian Draft
Research group: McNair
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Advisor: David Hansen

Darryl York III
Research group: Applied Unmanned Systems
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Advisor: Dung Hoang Tran
Deuris Pena
Research group: Crop-To-Food Innovation
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Advisor: Tom Clemente

Devin Hendrix
Research group: Bioenergy Systems
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Advisor: Edgar Cahoon

Diana Centeno
Research group: Applied Unmanned Systems
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Advisor: Brittany Duncan

Diana Than
Research group: Health Equity
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Advisor: Katie Edwards

Dulcie Archuleta
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Advisor: Amanda Ramer-Tait

Eason Cheung
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Advisor: Andrzej Rajca

Eddie Pham
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Advisor: Patrick Dussault

Elena Garcia
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Eli Smart
Research group: Beneficial Insects
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Elias Kemna
Research group: Bioenergy Systems
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Elijah McClymonds
Research group: Sustainability of Civil Infrastructures
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Eliza Munns
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Ellyzabeth Morales-Ledesma
Research group: Digital Legal Research Lab
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Advisor: Will Thomas

Emily Hogg
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: Lindsey B. Crawford

Emily Roys
Research group: Applied Phenotyping Technology
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Erica Kim
Research group: Redox Biology
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Evan Anderson
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Evie Barnett
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Filipe Guimaraes Goulart
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: Ivan Vechetti Jr.

Gabriel Lewis
Research group: Nanotechnology Coordinated Infrastructure
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Advisor: Shireen Adenwalla

Gannon Cole
Research group: Crop-To-Food Innovation
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Advisor: Edgar Cahoon

Gannon Ziviello
Research group: Lasers and Optics
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Advisor: Kees Uiterwaal

Garrett Wilcox
Research group: Beneficial Insects
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Advisor: Judy Wu-Smart

Giovanna Sagastegui
Research group: Sorghum-Insect Interaction
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Advisor: Joe Louis

Gloria Chang
Research group: Health Equity
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Advisor: Arthur R. Andrews

Grace Carey
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: Jessica Corman

Grace Van Cott
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: Larry Barksdale

Hailey Anderson
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: Xia Hong

Haley Fleetwood
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: Larry Barksdale

Hannah Tang
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
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Advisor: Marc Libault

Heidi Martin
Research group: Digital Legal Research Lab
Hibiki Mitsuboshi
Research group: Nanotechnology Coordinated Infrastructure
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Hikari Inaoka
Research group: Applied Unmanned Systems
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Advisor: Carrick Detweiler

Hugo Salazar
Research group: Health Equity
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Hunter Madison
Research group: Redox Biology
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Iliana Gonzalez
Research group: Sustainability of Civil Infrastructures
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India Rose Carter-Bolick
Research group: Health Equity
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Isis Burks
Research group: McNair
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Advisor: Jenna Finch
Jack Leoni
Research group: Biomedical Engineering
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Advisor: Rebecca Wachs

Jack Rankin
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Poster title: Knot Topology
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Jackalyn Wyrobek
Research group: Sustainability of Civil Infrastructures
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Poster title: Using Treefall Analysis to Assess Relationships Between Tornado Damage and Terrain
Advisor: Richard Wood

Jackson Savage
Research group: Quantum Materials
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Poster title: Characterization of DCMBI Thin Films
Advisor: Xiaoshan Xu

Jackson Taylor
Research group: Nebraska Center for Energy Sciences Research Interns (NCESR)
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Advisor: George Gogos

Jacob Lacy
Research group: Centers of Research Excellence in Science and Technology (CREST)
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Advisor: Ruiguo Yang

James Aubreii
Research group: Health Equity
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Advisor: Tierney K. Lorenz

Janana Khattak
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Jared Zollinger  
Research group: Biomedical Engineering  
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Advisor: Greg Bashford

Jason Eissayou  
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Advisor: Dung Hoang Tran

Jessie Reed  
Research group: Undergraduate Creative Activities and Research Activities (UCARE)  
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Advisor: Michelle Krehbiel

John Kunkee  
Research group: Quantum Materials  
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Advisor: Abdelghani Laraoui

Johnathan Kelly  
Research group: Undergraduate Creative Activities and Research Activities (UCARE)  
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Advisor: Steven Thomas

Jordyn Bass  
Research group: Lasers and Optics  
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Joselyn Andreasen  
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Joseph Oboamah
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
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Advisor: Xin Qiao

Joshua Chansa
Research group: Lasers and Optics
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Poster title: Mechanical Positioning for Quantum Electron Beams
Advisor: Herman Batelaan

Joshua Trimm
Research group: Sustainability of Civil Infrastructures
Poster location: 200
Poster title: Flexural Strength of Partially Composite Off System Bridges for Disaster Resilience
Advisor: Joshua Steelman

Juan Silva
Research group: McNair
Poster location: 83
Poster title: It Takes Two to Tango: Searching for Di-Higgs Boson Production at the LHC
Advisor: Peisi Huang

Julia Steffensmeier
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 140
Poster title: Investigation of Nanoscopic Materials Via Atomic Force Microscopy
Advisor:

Kanika Chopra
Research group: Chemistry
Poster location: 46
Poster title: Histidine and Gemcitabine Treatment Demonstrates Synergistic Effects in Pancreatic Cancer
Advisor: Robert Powers

Kasey Moomau
Research group: John Woollam Scholars
Poster location: 153
Poster title: Electromigration Behavior in Liquid Metal Elastomer Composites
Advisor: Eric Markvicka

Kasey Moomau
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 153
Poster title: Electromigration Behavior in Liquid Metal Elastomer Composites
Advisor: Eric Markvicka
Kashish Poore  
Research group: Undergraduate Creative Activities and Research Activities (UCARE)  
Poster location: 114  
Poster title: Single-Walled Carbon Nanotubes as Biosensors for Protein Recognition  
Advisor: James Checco

Kayla Osen  
Research group: Sustainability of Civil Infrastructures  
Poster location: 198  
Poster title: Differences Among University Engineering Instructors’ Adaptability  
Advisor: Grace Panther

Kiana Sargent  
Research group: Bioenergy Systems  
Poster location: 125  
Poster title: The Effect of a Convergent Evolutionary Switch of the Pathway for Mitochondrial Cytochrome c Maturation in Arabidopsis thaliana  
Advisor: Jeff Mower

Kiara Pavlik  
Research group: Undergraduate Creative Activities and Research Activities (UCARE)  
Poster location: 113  
Poster title: Testing for Persistence of Newly Isolated Lactobacillus Strains in a Mouse Model of Obesity  
Advisor: Amanda Ramer-Tait

Kiersten Reeser  
Research group: Biomedical Engineering  
Poster location: 176  
Poster title: Wearable Transcranial Doppler Ultrasound Device for Stroke Prevention  
Advisor: Greg Bashford

Kinga Aletto  
Research group: Undergraduate Creative Activities and Research Activities (UCARE)  
Poster location: 57  
Poster title: Documenting the Building of a Public Art Monument  
Advisor: Eddie Dominguez

Kobe Hansen  
Research group: Nanotechnology Coordinated Infrastructure  
Poster location: 146  
Poster title: 2D Inorganic Lead Halide Perovskite: Synthesis and Thickness Determination  
Advisor: Yanan Wang

Lali Regassa  
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns  
Poster location:
Lara Steen
Research group: Bioenergy Systems
Poster location: 126
Poster title: Lipotoxicity and Resistance in a Saccharomyces Cerevisiae Strain Lacking Storage Lipid Synthesis
Advisor: Wayne Riekhof

La'Rae Pickens-Bonebright
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 84
Poster title: Project View: Visual Impairment Education in Writing
Advisor: Michael Hebert

Laura Kirshenbaum
Research group: Nebraska Center for Energy Sciences Research Interns (NCESR)
Poster location: 135
Poster title: Identifying Novel Archaeal Species From Anaerobic Digester Isolates
Advisor: Nicole Buan

La尿n Tecca
Research group: Digital Legal Research Lab
Poster location: 73
Poster title: Beyond the Pacific: Chinese Women and Habeas Corpus at the 1898 Omaha World's Fair
Advisor: Katrina Jagodinsky

Liz Ashing
Research group: Chemistry
Poster location: 42
Poster title: Developing Covalent Allosteric Modulators for Caspase-6
Advisor: James Checco

Lucas Givens
Research group: Applied Unmanned Systems
Poster location: 187
Poster title: Azimuth: A Software Tool for Simulating GPS Data From Indoor Motion Capture via NMEA Protocol for Robotic Vehicles
Advisor: Justin Bradley

Lucy DePooter
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 34
Poster title: Knot Topology
Advisor: Alexander Zupan
Lydia Regier
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 1
Poster title: Detecting the Invasion of Old World Bluestem (Bothriochloa spp.) in Kansas Grasslands via PlanetScope and Sentinel-2 Satellite Imagery
Advisor: Brian Wardlow

Lys-Julienne Clarke
Research group: Sustainability of Civil Infrastructures
Poster location: 193
Poster title: Detecting the Presence of Microplastics in Agricultural Streams
Advisor: Shannon Bartelt-Hunt

Madeleine Brown
Research group: Chemistry
Poster location: 43
Poster title: A Spectroscopic Study of Photoinduced Halide Segregation and Remixing Kinetics in Mixed Halide Perovskites
Advisor: Yinsheng Guo

Madeline Johnston
Research group: Beneficial Insects
Poster location: 9
Poster title: Soybean Gall Midge: Impact of Moisture on Adult Emergence
Advisor: Justin McMechan

Madisyn Reichert
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 182
Poster title: Synthesis of Nanoparticles as a Drug-Delivery System for Traumatic Brain Injury Patients
Advisor: Forrest Kievit

Makayla Gallegos
Research group: Sustainability of Civil Infrastructures
Poster location: 194
Poster title: Multi-day Skill Assessment for LSTM-based Streamflow Forecasts
Advisor: Tirthankar Roy

Ma'Kiya Carter
Research group: McNair
Poster location: 79
Poster title: An Analysis of Popular Music and the Societal Implications It Has on Its Audience
Advisor: Cody Hollist

Mariam Daoud
Research group: Digital Legal Research Lab
Poster location: 67
Poster title: Habeas Corpus and the Separation of Chinese Immigrant Minors in Washington
Advisor: Katrina Jagodinsky

Mary Helms
Research group: Virology
Poster location: 107
Poster title: Cloning of HCMV US18 to Investigate its Role in Viral Infection
Advisor: Lindsey Crawford

MaryGrace Thompson
Research group: Beneficial Insects
Poster location: 12
Poster title: The buzz around town: Plant-wild bee interactions in an urban botanical garden
Advisor: Autumn Smart

Matthew Dohmen
Research group: John Woollam Scholars, Nebraska Center for Energy Sciences Research Interns (NCESR)
Poster location: 132
Poster title: Triboelectric Energy Harvesting
Advisor: Eric Markvicka

Matthew Klein
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 16
Poster title: Investigation of chemosensory and visual stimuli triggers in Bullsnake (Pituophis catenifer) predation events
Advisor: Dennis Ferraro

Maxwell Chin
Research group: Chemistry
Poster location: 45
Poster title: Analysis of Caenorhabditis elegans MePCE
Advisor: Catherine Eichhorn

Merjen Palvanova
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 155
Poster title: Anisotropic conductive Fe/eGaIn/PDMS films for flexible PCBs
Advisor: Eric Markvicka

Micaylon Moore
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 52
Poster title: Linoleic Acid Affects Mitochondrial Function in Saccharomyces Cerevisiae
Advisor: Wayne Riekhof

Michelle Ebrahim
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Mikhail Gansvind
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 106
Poster title: D-alanine Transaminase Activity in Mycobacterium smegmatis Peptidoglycan Biosynthesis
Advisor: Raul Barletta

Misael Oros-Lopez
Research group: Centers of Research Excellence in Science and Technology (CREST)
Poster location: 158
Poster title: Analyzing Piezoelectric Properties in Polymers with an Impedance Analyzer
Advisor: Stephen Ducharme

Morgan Graham
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 87
Poster title: An Assessment of the Efficacy of Sex Offender Legislation
Advisor: Amy Anderson

Morgan Laden
Research group: Health Equity
Poster location: 100
Poster title: Efficacy of Teachers and Parents as Partners: The Role of Adversity among Latinx Families
Advisor: Lorey Wheeler

Morgan Madsen
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 55
Poster title: Geophysical Mapping of Large-scale Submarine Landslides at the Southern Cascadia Margin
Advisor: Irina Filina

Natalie Johnston
Research group: Beneficial Insects
Poster location: 10
Poster title: Developing an Insecticide Bioassay for Soybean Gall Midge
Advisor: Ana Maria Velez Arango

Natalie Peulen
Research group: Lasers and Optics
Poster location: 163
Poster title: Ordered Multiple-Choice Items to Assess Chemistry Students' Understanding of Wave-Particle Duality
Advisor: Alena Moon
Natalie Rogers
Research group: Lasers and Optics
Poster location: 164
Poster title: Energy Spread Reduction of Ultrafast Electron Pulses
Advisor: Martin Centurion

Natalie Swampillai
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 141
Poster title: The Effects of Group Size on Stress-related Behaviors in Zebrafish
Advisor:

Natalie Thompson
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 149
Poster title: Fabrication of Two-Dimensional Material Transistors
Advisor: Xia Hong

Nathan Ottenbacher
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 18
Poster title: Protocol Development for Chromatin Immunoprecipitation in Mycobacterium Smegmatis
Advisor: Karin van Dijk

Nathlita Karnley
Research group: Crop-To-Food Innovation
Poster location: 39
Poster title: The Validation of CAZyme Gene Enrichment predicted in Microbial Communities.
Advisor: Jennifer Auchtung

Noah Longoria
Research group: Redox Biology
Poster location: 110
Poster title: Using X-ray Crystallography to Understand Isocyanide Hydratase Catalysis
Advisor: Mark A. Wilson

Olivia Vinnes
Research group: Bioenergy Systems
Poster location: 202
Poster title: Characterization of an isolate capable of fermentative iron reduction obtained from the rhizosphere
Advisor: Karrie Weber

Paige Schiebel
Research group: Biomedical Engineering
Poster location: 177
Poster title: Oxidative Stress-Mediated Blood-Brain Barrier Permeability
Advisor: Forrest Kievit
Patrick Osborn
Research group: Quantum Materials
Poster location: 120
Poster title: Programming of Ferromagnetic Resonance Spectroscopy
Advisor: Abdelghani Laraoui

Paul Tetreault
Research group: Sustainability of Civil Infrastructures
Poster location: 199
Poster title: Electric Vehicles: The Limits and Potential of Adopting in Rural Nebraska
Advisor: Jason Hawkins

Peri Burton
Research group: Sustainability of Civil Infrastructures
Poster location: 192
Poster title: Analyzing Temperature's Effect on the Production of Medium Chain Carboxylic Acids From Manure
Advisor: Xu Li

Peter Kempf
Research group: John Woollam Scholars
Poster location: 151
Poster title: Fabry-Pérot Interferometry
Advisor: Mohammad Ghashami

Peyton Alder
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 104
Poster title: Selfish Genes: Meiotic Drivers and Suppressors in Drosophila
Advisor: Colin Meiklejohn

Rachel Laws
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 137
Poster title: Analysis of Ferroelectric Capacitors and their Role in Non-Volatile Memory
Advisor: Stephen Ducharme

Raymond Smith
Research group: Lasers and Optics
Poster location: 166
Poster title: Ion Energy Distributions in Broad Beam Kaufman Ion Sources and Simulation of Ion-Matter Interactions
Advisor: Eva Schubert

Rebecca Yox
Research group: Beneficial Insects
Poster location: 14
Poster title: Microarthropod Diversity Assessment in Milkweed Flowers
Reese Lofgren
Research group: Bioenergy Systems
Poster location: 123
Poster title: The Relationship of Pathogenicity, Behavioral Phenotype, and PilA Structure in Acinetobacter
Advisor: Kurt Piepenbrink

Rhiannon Strazdas
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 63
Poster title: Steven Holl Architectural Guidebook
Advisor: Peter Olshavsky IV

Ricardo Canovas
Research group: Centers of Research Excellence in Science and Technology (CREST)
Poster location: 156
Poster title: Convolutional Neural Networks in Facial Recognition with Hardware
Advisor: Arman Roohi

Rohan Tatineni
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 22
Poster title: Investigation into Key Residues Critical for Substrate Binding in LaPhzM
Advisor: Limei Zhang

Ruthi Zielinski
Research group: Nebraska Center for Energy Sciences Research Interns (NCESR)
Poster location: 145
Poster title: Electronic Transport Properties of Boron Carbide
Advisor: Robert Streubel

Saloni Gupta
Research group: Bioenergy Systems
Poster location: 118
Poster title: Ion Leakage and Thin Layer Chromatography as a Means to Determine How Kinases Regulate Oil Production in Arabidopsis thaliana
Advisor: Rebecca Roston

Sam Ho
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 51
Poster title: Cell-free synthesis of the enzymatic component of C2C: A novel expression of recombinant proteins sans host
Advisor: Paul Blum
Sam Koebernick
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 130
Poster title: "Boron Treated Aluminum Covetics"
Advisor:

Sam Yang
Research group: Redox Biology
Poster location: 112
Poster title: Identifying Genes involved in proline metabolism in yeast Saccharomyces cerevisiae
Advisor: David Becker

Samantha Byrd
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 74
Poster title: Habeas Corpus: Breaking Reservation Boundaries
Advisor: Katrina Jagodinsky

Samantha White
Research group: Nebraska Center for Energy Sciences Research Interns (NCESR)
Poster location: 144
Poster title: Crash Analysis: How Battery Electric Vehicles Compare to Traditional Vehicles
Advisor: Cody Stolle

Samuel Harvey
Research group: John Woollam Scholars
Poster location: 160
Poster title: Quantifying Case Depth in Railroad Bearing Components Using Ultrasonic Scattering
Advisor: Joseph Turner

Sarah Graham
Research group: Applied Phenotyping Technology
Poster location: 4
Poster title: Accuracy of A Portable Chlorophyll Meter in Fresh and Dried Leaf Samples of Maize
Advisor: Yeyin Shi

Sarah Rogoz
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 86
Poster title: The Associations between Race/Ethnicity, Mental Health, Socioeconomic Status, Gender and Substance Use
Advisor: Michelle Hughes

Savanna Richardson
Research group: Quantum Materials
Poster location: 115
Poster title: Nonvolatile Modulation of ReS2 Transistor Top-Gated by PbZr0.2Ti0.8O3 Membrane
Advisor: Xia Hong
Sequoia Truong
Research group: Biomedical Engineering
Poster location: 178
Poster title: Design and Development of a Wearable Ultrasound Patch for Measuring Cerebral Blood Flow
Advisor: Eric Markvicka

Shane Rice
Research group: Crop-To-Food Innovation
Poster location: 41
Poster title: Creating an Abundant and Food Appropriate Oleogel
Advisor: Ozan N. Cifti

Shelby Baker
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 59
Poster title: Artistic Academic
Advisor: Sandra Williams

Shivani Bahl
Research group: Health Equity
Poster location: 95
Poster title: Access to Substances Across the State of Nebraska Between Rural and Urban Areas
Advisor: Patrick Habecker

Skylar Jilg-Brown
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 92
Poster title: Anti-Racist Communities Within Classrooms

Smriti Ganesh
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 153
Poster title: Electromigration Behavior in Liquid Metal Elastomer Composites
Advisor: Eric Markvicka

Sophia Heinrich
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 129
Poster title: Imaging the Levitation of Styrofoam Balls & A Potential 3D Model of the Double Slit Experiment
Advisor: Herman Batelaan

Sophia Swanson
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 64
Poster title: Workforce Housing: Temporary Infrastructure with Lasting Repercussions
Advisor: Bud Shenefelt

Soumyaa Joshi
Research group: Health Equity
Poster location: 99
Poster title: Emotion Regulation Strategies and Youth Mental Health During COVID-19: Examining Longitudinal Associations and the Role of Socioeconomic Status
Advisor: Timothy Nelson

Summer Wolfe
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 150
Poster title: Piezoelectric Properties of Amorphous Chiral Solids
Advisor: Shireen Adenwalla

Sydney Houser
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 54
Poster title: Characterizing the reward-enhancing effects of cotinine, the major metabolite of nicotine, alone and its interactions with varenicline
Advisor: Rick Bevins

Taylor Yakel
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 61
Poster title: Mapping The World's Largest Truck Stop
Advisor: David Karle

Trevor Laugen
Research group: Chemistry
Poster location: 48
Poster title: Testing zinc doped cerium oxide's antioxidant ability via DPPH
Advisor: Barry Cheung

Tyler Bartolome
Research group: Bioenergy Systems
Poster location: 136
Poster title: Designing an expression system to optimize bioisoprene production using Methanosarcina
Advisor: Nicole Buan

Urelys Casiano
Research group: Bioenergy Systems
Poster location: 117
Poster title: The effects of chives-derived exosome-like nanoparticles on obese mice gut microbiome
Advisor: Jennifer Auchtung
Uyen Nguyen
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 181
Poster title: Effects of Collagen Concentration on Dorsal Root Ganglia in 3D Hydrogel Culture
Advisor: Rebecca Wachs

Violetta Bakunina
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 105
Poster title: Mito-nuclear incompatibility and temperature-sensitive sterility in male Drosophila
Advisor: Colin Meiklejohn

Vladislav Prakapchuk
Research group: Nebraska Center for Materials and Nanoscience and Young Nebraska Scientists High School Interns
Poster location: 129
Poster title: Imaging the Levitation of Styrofoam Balls & A Potential 3D Model of the Double Slit Experiment
Advisor: Herman Batelaan

WrayVauze Givens
Research group: Crop-To-Food Innovation
Poster location: 38
Poster title: Dietary Fiber Analysis in Various Lines of Corn
Advisor: Devin Rose

Zoe Stapleton-Deno
Research group: Digital Legal Research Lab
Poster location: 72
Poster title: Conditional Motherhood: Rhetorical Functions of Childhood Innocence in 19th Century Habeas Corpus
Advisor: Katrina Jagodinsky

Zoe Tomas
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 29
Poster title: Mealworms Ability to Digest Polystyrene
Advisor: Louise Lynch O'Brien

Zoey Armstead
Research group: Undergraduate Creative Activities and Research Activities (UCARE)
Poster location: 18
Poster title: Protocol Development for Chromatin Immunoprecipitation in Mycobacterium Smegmatis
Advisor: Karin Van Dijk