

**INBRE Summer Undergraduate Research Symposium**  
**Thursday, July 24, 2025 Wyoming Union, Ballroom**

**8:30 a.m.** Coffee, Fruit & Breakfast Pastries

**8:45 a.m.** Welcome and Opening Remarks

Annie Bergman, PhD, INBRE Student Research Program Director

Scott Seville, PhD, INBRE P.I./Director

**9:00 a.m.**

**Kendall Moyte**

*Peptidylarginine Deiminase (PAD) Expression  
in the Female Hippocampus  
During the Estrous Cycle*  
With Brian Cherrington, PhD

**9:15 a.m.**

**Baily Isaak**

*Reproductive JNKie: Decoding the role of JNK  
Signaling in Female Fertility*  
With Amy Navratil, PhD

**9:30 a.m.**

**Tyler Roth**

*Engineering Allogeneic Schwann Cells to  
Survive After Transplantation  
for Spinal Cord Injury*  
With Jared Bushman, PhD

**9:45 a.m.**

**Jaden Campbell**

*Right Ventricular Energy Dysregulation  
in Type 2 Diabetes*  
With Danielle Bruns, PhD

**10:00 – 10:15 a.m. BREAK**

**10:15 a.m.**

**Isabelle Wasseen**

*Targeting iRhom2 in Neuroinflammation*  
With Sree Nair, PhD

**10:30 a.m.**

**Tara Baer**

*Iron-Dependent Regulation of IL-12 and IFN $\gamma$   
in Mucosal Tissues During  
Toxoplasma gondii Infection*  
With Jason Gigley, PhD

**10:45 a.m.**

**Tanner Roberts**

*Iron regulation of Toxoplasma gondii Induced  
T cell expansion vaccine*  
With Jason Gigley, PhD

**11:00 a.m.**

**Hudson Poyer**

*Beyond the Swab:  
Finding What COVID Tests Missed*  
With Jim Mildenerberger (Public Health Lab)

**11:15 a.m.**

**Kyra Waldron**

*The Tardigrade Microbiome and  
the Discovery of Novel Antifungals*  
With Tak Suyama, PhD

**11:30 – 12:25 p.m.  
(invited LUNCHEON)  
Wyoming Union  
East Ballroom**

*(over)*

**12:30 p.m.**

**Abigail Flesvig**

*Evaluating a Role for Non-erythroid  
Hemoglobin in Female and Male  
Reproductive Tissues*  
With Jim Pru, PhD

**12:45 p.m.**

**John Larson**

*Is your Fat Different from my Fat?  
Developing a Method to Differentiate  
the Fat Composition in Bees*  
With Franco Basile, PhD

**1:00 p.m.**

**Jesica Martinez**

*Testing proteomics and AlphaFold to discover  
novel protein interactions*  
With David Fay, PhD

**1:15 p.m.**

**Stephen Cristensen**

*Unraveling Mouse Behavior:  
Tracking behavior persistence*  
With Qian-Quan Sun, PhD

**1:30-1:45 p.m. BREAK**

**1:45 p.m.**

**Emma Peterson**

*Blood Cues in Everyday Forgetting and  
Cognitive Decline*  
With Erin Harrington, PhD

**2:00 p.m.**

**Cutter Barrus**

*A tad bold, or a bold tad*  
With Kara Pratt, PhD

**2:15 p.m.**

**Elena Payne**

*Predicting Depression and Suicidality  
from Ribosomal DNA*  
With Ram Shukla, PhD

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