# 2023 Idaho INBRE Statewide Research Conference

Best Western Plus University Inn (Moscow, ID)

July 24-26, 2023

## Monday, July 24th – Travel Day/Registration

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 – 5:00 pm</td>
<td>Registration</td>
<td>Centennial Room</td>
<td>Please check-in at the registration desk in the main lobby. Refreshments and your FREE t-shirt are available in the Centennial Room!</td>
</tr>
<tr>
<td>12:00 – 5:00 pm</td>
<td>Hang your poster</td>
<td>University Room</td>
<td>Poster room available for students to put their posters up.</td>
</tr>
<tr>
<td>5:00 – 7:00 pm</td>
<td>Dinner on your own</td>
<td>Moscow, ID</td>
<td>Have fun exploring Moscow and all of the wonderful places available to dine!</td>
</tr>
</tbody>
</table>

## Tuesday, July 25th

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 – 8:30 am</td>
<td>Hotel Continental Breakfast (hotel guests only)</td>
<td>Breakfast Room</td>
<td></td>
</tr>
<tr>
<td>8:30 – 10:30 am</td>
<td>Welcome! Conference Opening Session</td>
<td>Gold/Silver Room</td>
<td>Welcome! Conference Opening Session</td>
</tr>
<tr>
<td>8:30 – 8:40 am</td>
<td>Parade of Students</td>
<td>Gold/Silver Room</td>
<td>Students line up in Courtyard</td>
</tr>
<tr>
<td>8:45 – 8:55 am</td>
<td>Welcome to Moscow and the University of Idaho</td>
<td>Gold/Silver Room</td>
<td>Dr. Mark McGuire, Ph.D., Associate Dean, CALS, University of Idaho</td>
</tr>
<tr>
<td>9:00 – 9:30 am</td>
<td>President’s Address</td>
<td>Gold/Silver Room</td>
<td>Joel Pearsall, J.D., President, Northwest Nazarene University</td>
</tr>
<tr>
<td>9:35 – 10:15 am</td>
<td>NIGMS Update</td>
<td>Gold/Silver Room</td>
<td>Dr. Krishan Arora, Networks and Development Programs Branch, Branch Chief, NIGMS, NIH</td>
</tr>
<tr>
<td>10:30 – 10:45 am</td>
<td>Break</td>
<td>Gold/Silver Room</td>
<td></td>
</tr>
<tr>
<td>10:45 – 12:45 pm</td>
<td>Poster Session A</td>
<td>University Room</td>
<td>Students with Odd-Numbered posters will present their research.</td>
</tr>
<tr>
<td>12:45 – 2:00 pm</td>
<td>Lunch (provided)</td>
<td>Courtyard</td>
<td>Please go through the buffet line in the Courtyard and then join us for lunch. (Silver Room is available if indoor seating is desired.)</td>
</tr>
<tr>
<td></td>
<td>Concurrent Gold Room Invitation Only: Administrators’ Roundtable- Working Lunch</td>
<td>Gold Room</td>
<td>Presidents, VPs, Provosts, Deans, and Department Heads ONLY are invited to join this roundtable! Please go directly to the Gold Room for a private lunch buffet.</td>
</tr>
<tr>
<td></td>
<td>Concurrent Centennial Room Educator’s Session- Working Lunch (access main buffet line and take food to meeting room)</td>
<td>Centennial Room</td>
<td>Chair: Amy Rice Doetsch, Ph.D., College of Southern Idaho Educators meet to share ideas, practices, and lessons learned.</td>
</tr>
<tr>
<td>2:00 – 4:00 pm</td>
<td>Poster Session B</td>
<td>University Room</td>
<td>Students with Even-Numbered posters will present their research.</td>
</tr>
</tbody>
</table>
4:00 – 4:15 pm  Break

4:15 – 5:30 pm  Beyond Baccalaureate Panel
(Moderator: Professor Rhena Cooper, North Idaho College)
A fun panel to encourage undergraduates to seek graduate or professional education. Hear from successful professionals about their diverse paths to their careers. Open discussion will follow the presentations.
**Panelists:** Dr. Nancy Johnston, LCSC; Dr. Jamee Nixon, NNU; Dr. Cheryl Jorcyk, BSU; Dr. Theresa Koehler, UTHouston, McGovern Medical School; Dr. Cody Diehl, BYU-I; Dr. Tom Pirtle, CofI; Dr. Doug Wright, University of Kansas Medical Center

5:30 – 6:30 pm  Pre-Dinner Mixer
(Courtyard)
Live music for pre-dinner fun!  **Students take down posters!**

6:30 – 8:00 pm  Inspirational Keynote- Former INBRE Student Dinner (provided)
(Gold/Silver)
Assigned seating- see the back of your name badge for details.
Dr. Erin Conlee, M.D., Pediatric Rehabilitation Medicine, St. Lukes

8:00 – 10:00 pm  Conference Mixer
(Courtyard)
Join us for live music and networking!

8:00 – 10:15 pm  INBRE: Rec Center Networking
(UI Campus)
(Students, Staff, and Faculty are welcome to attend!)
*Pre-registration and waiver completion required*

---

**Wednesday, July 26th**

6:30 – 8:30 am  Hotel Continental Breakfast (hotel guests only)
(Breakfast Room)

7:30 – 8:30 am  Data Science Meeting- Dr. Ken Cornell (invite only)
(Latah Room)
Take your breakfast to the meeting room!

8:30 – 9:30 am  From nanotechnology to mRNA vaccines: How overcoming skepticism and barriers led to new cancer treatments and ways to tackle a global health challenge
(University Room)
Dr. Robert S. Langer, Sc.D., Massachusetts Institute of Technology (MIT)

9:30 – 10:15 am  Beyond Pain: Redefining the Roles of Peripheral Nerves
(University Room)
Dr. Doug E. Wright, University of Kansas Medical Center, Kansas INBRE PI

10:15 – 10:30 am  Break

10:30 – 11:45 am  Exploring Medical Professions: Panel
(University Room)
Join this interactive session where you will hear the career trajectory and important advice from a panel of local professionals. Session Moderator: Professor Rhena Cooper.
**Panelists:**
- Reagan Badger, MS Biology, current WWAMI student, University of Idaho
- Lindsay Childs, PharmD, Director of Pharmacy, Rehabilitation Hospital of the Northwest
- Jared Lambert, OD, Optometrist, Kootenai Vision Center
- Laurianne T. Mullinax, MS, MLS(ASCP)(CM); Providence, Sacred Heart Medical Center
- Janis McClelland, MSDH, RDH, FADHA, Director, Dental Hygiene Program, North Idaho College
- Carolyn Shoemaker, PA, Moscow Family Medicine, Gritman Medical Center
11:45 am – 1:15 pm
Courtyard

Lunch (provided); Overflow seating in the Gold/Silver Rooms.

1:15 – 3:30 pm
Washington/Idaho/Palouse

Faculty & Graduate Student Presentations – Concurrent Sessions

<table>
<thead>
<tr>
<th>Times</th>
<th>Idaho Room</th>
<th>Washington Room</th>
<th>Palouse Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:15 – 1:45</td>
<td>Dr. Cody Smith, BYU-I&lt;br&gt;Title: From Minnows to Metabolic Syndrome: Developing Novel Molecular Diagnostic Tools Chair of Idaho Room</td>
<td>Dr. Bethaney Fehrenkamp, UI&lt;br&gt;Title: Fat Matters: Exploring Adiposity's Role in Inflammation, Beyond BMJ Chair of Washington Room</td>
<td>Dr. Heather Ray, ISU&lt;br&gt;Title: Masp1: A new player in ectodermal patterning? Chair of Palouse Room</td>
</tr>
<tr>
<td>1:50 – 2:20</td>
<td>Dr. Patrick Hrdlicka, UI&lt;br&gt;Title: The Science and Applications of DNA-Targeting Invader Probes</td>
<td>Dr. Don Warner, BSU&lt;br&gt;Title: Molecular Legos: Building Small Molecules to Inhibit Tumor Metastasis</td>
<td>Dr. Jay Radke, IVREF&lt;br&gt;Title: Interrogating cell signaling pathways and miRNAs during Adenovirus 14p1 lung pathogenesis</td>
</tr>
<tr>
<td>2:25 – 2:55</td>
<td>Caleb Leach, BSU&lt;br&gt;Title: Determining the Neurotoxic Mechanism of Vigabatrin through MALDI Imaging Mass Spectrometry of Retina and Brain Tissue</td>
<td>Sabina Yeasmin, ISU&lt;br&gt;Title: Viral glycoprotein interactions with nicotinic acetylcholine receptors</td>
<td>Michael Morales, UI&lt;br&gt;Title: Real-time phagocytic dynamics of retinal glia</td>
</tr>
<tr>
<td>3:00 – 3:30</td>
<td>Dr. Srinath Pashikanti, ISU&lt;br&gt;Title: Stereoselective Synthesis of Sphingoid Based Natural Products and their Biological Significance</td>
<td>Dr. John Thurston, CoFI&lt;br&gt;Title: New strategies for addressing quorum sensing in microorganisms</td>
<td>Dr. Jennifer Chase, NNU&lt;br&gt;Title: How a cancer cell responds to insulin</td>
</tr>
</tbody>
</table>

Use link or QR Code on the last page for additional speaker details. ↓

3:30 – 3:45 pm
Break

3:45 – 5:00 pm
University Room

“Fast Pitch Science”
Modeled after three-minute thesis (3MT™). This is a ‘conference favorite’!
Pre-registration required (limited space available).
Moderators: Amy Rice Doetsch, Ph.D., College of Southern Idaho
Kirsten Blanchette, M.S., North Idaho College

5:00 – 5:30 pm
Courtyard
Pre-Dinner Mixer
Live music!

5:30 – 6:30 pm
Courtyard- Buffet line
Gold/Silver- Seating

Awards Banquet (dinner provided)
Join us in celebrating the outstanding research of our INBRE Students.
Please go through the buffet line in the Courtyard and then join us in the Silver/Gold Room for dinner. This is the final event of our conference. Thank you for attending and safe travels!

Please complete the Post-Conference Survey you will receive via email. We appreciate your valuable feedback.