



Program

**October 9, 2026
8:00 AM – 5:00 PM**

2nd Annual Wisconsin Pain Research Day

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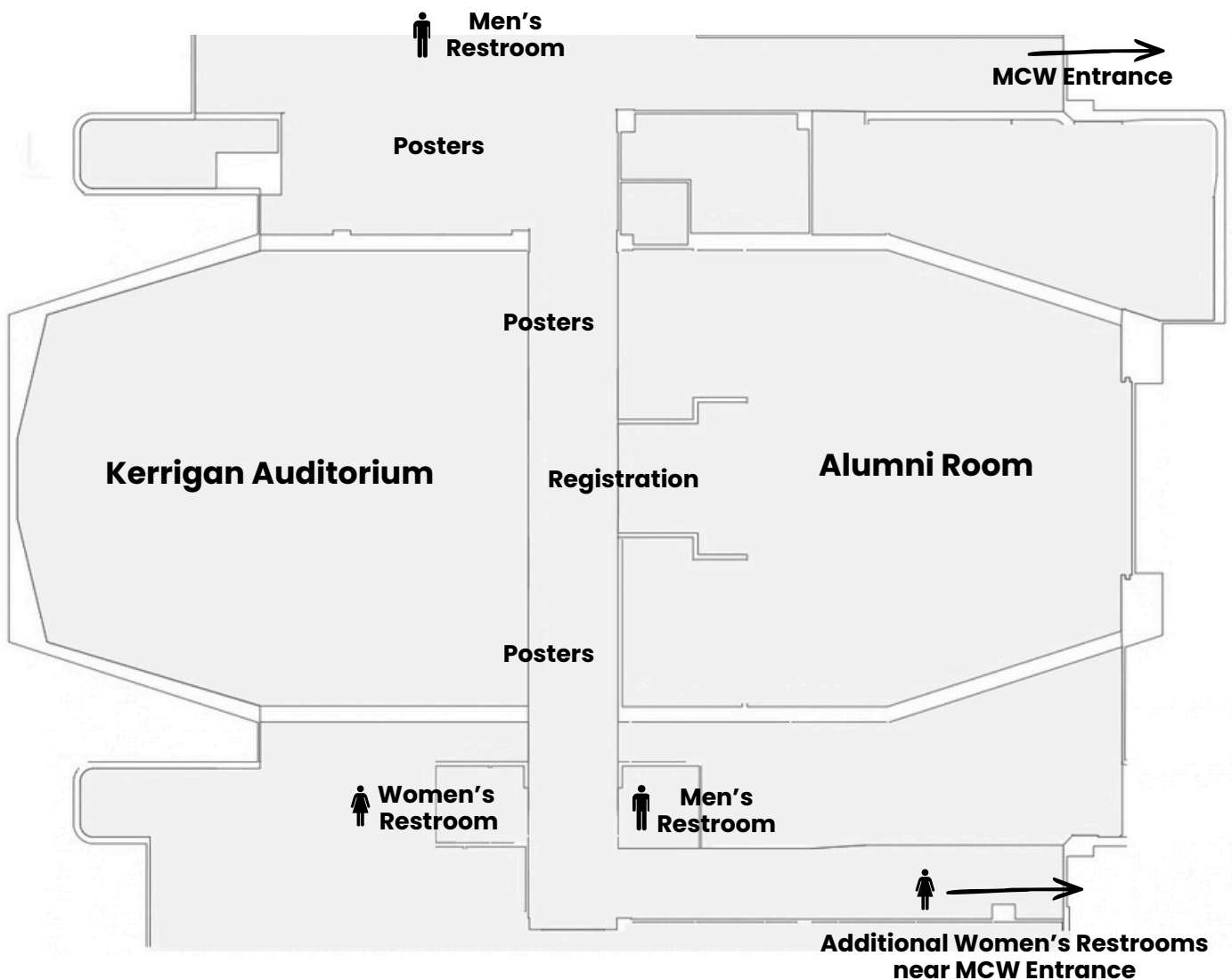
WI-FI: **Network:** mcwwifi
Username: wifiguest
Password: community

Map: Medical Education Building (MEB)

Kerrigan Auditorium - All talks

Alumni Room - Breakfast, breaks, lunch and mentored tables for trainees

Kerrigan and Alumni Hallways - Posters



Schedule

October 9, 2026
8:00 AM – 5:00 PM

2nd Annual Wisconsin Pain Research Day



- 8:00 AM □ **Light Breakfast | Alumni Room**
Coffee, tea, bagels, pastries & fruit
- 8:20 AM □ **Introduction | Kerrigan Auditorum | 10 min**
Cheryl Stucky, PhD – Marvin Wagner Professor, MCW

Thank you sponsors: Advancing a Healthier Wisconsin Endowment (AHW), MCW Neuroscience Research Center (NRC), MCW Wisconsin Institute of Neuroscience (WINS), and MCW Departments: Cell Biology, Neurobiology & Anatomy, Anesthesiology, Medicine, Neurology, Neurosurgery, Pharmacology & Toxicology, and Physiology.



- 8:30 AM □ **Plenary | Kerrigan Auditorum | 55 min**
Moderator:
Cheryl Stucky, PhD, Marvin Wagner Professor, MCW
- **Geoffroy Laumet, PhD**
Red Cedar Distinguished Associate Professor, Michigan State University
Immune Disruption of the Brain's Lymphatic Drainage as a Driver of Migraine-like Behaviors
- 9:30 AM □ **Session 1 | Kerrigan Auditorum | 45 min**
Moderator: Aaron Mickle, PhD, Associate Professor, MCW
- **Zachary T. Campbell, PhD**
Betty J. Bamforth Distinguished Chair, Vice Chair for Research, Associate Professor University of Wisconsin, Madison
- **Don't Be So Sensitive — Translational Control as a Source of Novel Analgesic Targets**
- **Lucy Vulchanova, PhD**
Associate Professor, University of Minnesota
Preclinical Studies of Chronic Alcohol Consumption as an Antecedent to Pain Chronification
- **Byron Hayes, PhD**
Postdoctoral Fellow, MCW
A Novel Intranasal-Based Murine Model of Interstitial Cystitis/Bladder Pain Syndrome

10:20 AM □ **Break | Alumni Room | 40 min**

11:00 AM

□

Data Blitz

Kerrigan Auditorum | 1 hr – 6 x 10 min, 8 + 2 min Q&A

Moderators: Hannah Anderson, Graduate Student, MCW

Bradey Stewart, Graduate Student, MCW

□

Angela Mickle

Clinical Research Coordinator III, University of Florida

A Quantified Biopsychosocial Assessment Helps Explain Individual Differences in Clinical Pain and Functioning in Adults with Chronic Low Back Pain

□

Mehri BagheriMohamadiPour

Research Scientist I, MCW

Plasma-Induced Gene Expression Modules Are Associated with Pain Frequency in Children with Sickle Cell Disease

□

Dianise Rodríguez García

Graduate Student, MCW

Keratinocyte PIEZO1 Activity Contributes to Diabetic Mechanical Hypersensitivity

□

Haley VanBeek

Resident, MCW

Value-Based Assessment of Lumbar Sympathetic Neurolysis: High Cost, Limited Benefit

□

Junxi Chen

Medical Student, MCW

Fabry Disease Rat Model Demonstrates Pathological Changes in Corneal Nerves

□

Agatha Greenway

Graduate Student, University of Iowa

Investigating the Sufficiency and Necessity of the Anterior Cingulate Cortex in Mouse Migraine-like Behaviors

12:10 PM

□

Catered Lunch | Alumni Room | 75 min

Mentored Tables for Trainees

Moderator: Jonathan Enders, PhD, Postdoctoral Fellow, MCW

1:25 PM

▣ **Session 2 | Kerrigan Auditorium | 45 min**

Moderator: Gabbie Robilotto - Graduate Student, MCW

▣ **Monica Gremillion, PhD**

*Associate Professor, Anesthesiology; Pediatric Psychologist,
Children's Wisconsin Pain and Headache Center, MCW*

Experiences of Pain Dismissal in Youth with Sickle Cell Disease

▣ **Burel Goodin, PhD**

Washington University in St. Louis

**A "Lifestyle Medicine + Metabolic Therapeutics" Framework for
Chronic Pain Management**

▣ **Megan McGrath**

Graduate Student, Michigan State University

**More Gain More Pain: The Relationship Between Weight and Pain
Status in a Diet-Induced Model of Obesity in Mice**

2:15 PM

▣ **Session 3 | Kerrigan Auditorium | 45 min**

Moderator: Tayler Sheahan, PhD, Assistant Professor, MCW

▣ **Lauren Slosky, PhD**

Assistant Professor of Pharmacology, University of Minnesota Medical School

**Molecular Bumpers and Glues: Tuning GPCR-Transducer
Coupling to Treat Pain and Addiction**

▣ **John McCorvy, PhD**

Associate Professor and Eminent Scholar, Medical College of Wisconsin

Structure-Based Design of Novel Analgesics

▣ **Clémence Gieré, PhD**

Postdoctoral Fellow, Saint Louis University

**Failure of Descending Pain Modulation Underlies Nociceptive
Pain in Systemic Lupus Erythematosus**

3:05 PM

▣ **Break | Alumni Room | 25 min**

3:30 PM

▣ **Poster Session | Kerrigan & Alumni Hallway | 90 min**

Odd #s present from 3:30-4:15 PM

Even #s present from 4:15-5:00 PM

Faculty Speaker Bios

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Immune Disruption of the Brain's Lymphatic Drainage as a Driver of Migraine-like behaviors

Geoffroy Laumet, PhD, is the Red Cedar Distinguished Associate Professor in the Department of Physiology and the Neuroscience Program at Michigan State University, where he leads the NeuroImmunology of Pain Laboratory. His research investigates how sensory neurons and immune cells communicate to regulate pain duration and migraine. His laboratory also studies neuroimmune mechanisms underlying physiology and diseases in which sensory neurons contribute to pathology. His research has been supported by the NIH, Department of Defense, and Rita Allen Foundation.



***Don't be so sensitive* — Translational Control as a Source of Novel Analgesic Targets**

Zachary T. Campbell, PhD, is the Betty J. Bamforth Distinguished Chair, Vice Chair for Research, and Associate Professor of Anesthesiology, Medicine, and Biomolecular Chemistry at the University of Wisconsin–Madison. The Campbell Lab studies molecular mechanisms of pain signaling with an emphasis on post-transcriptional and translational regulation.



Preclinical Studies of Chronic Alcohol Consumption as an Antecedent to Pain Chronification

Lucy Vulchanova, PhD, has been in the Department of Neuroscience at the University of Minnesota since 2014. Her research interests encompass mechanisms of pain and interoception and their intersection with motivational systems, particularly in the context of substance use disorders.



Experiences of Pain Dismissal in Youth with Sickle Cell Disease

Monica Gremillion, PhD, is an Associate Professor in the department of anesthesiology and a pediatric psychologist in the Children's Wisconsin Pain and Headache Center. Her research focuses on experiences of pain dismissal in youth with chronic pain and sociocultural conceptualizations of chronic pain.



A "Lifestyle Medicine + Metabolic Therapeutics" Framework for Chronic Pain Management

Burel R. Goodin, PhD, is a Professor of Anesthesiology at Washington University in St. Louis, where he directs a translational research program focused on the biopsychosocial mechanisms of chronic pain and the development of lifestyle-based, behavioral interventions to improve pain outcomes. Trained as a clinical health psychologist, his NIH-funded research spans pain neuroscience, sleep, physical activity, nutrition, health disparities, and behavioral medicine, with an emphasis on translating scientific discoveries into scalable approaches for chronic pain prevention and treatment. Dr. Goodin is the current President of the U.S. Association for the Study of Pain (USASP) and is nationally recognized for his leadership in pain science, interdisciplinary collaboration, and mentorship of the next generation of pain researchers.



Molecular Bumpers and Glues: Tuning GPCR-Transducer Coupling to Treat Pain and Addiction

Lauren Slosky, PhD, is an Assistant Professor of Pharmacology and a member of the Medical Discovery Team on Addiction at the University of Minnesota Medical School. Her lab investigates how neuropeptide GPCRs shape reward, pain, and motivated behavior, aiming to discover mechanism-based therapeutics. Using structure-guided drug design, her group probes GPCR signaling complexes to achieve precise, predictable control over receptor signaling and physiology. She trained with Dr. Todd Vanderah at the University of Arizona and Dr. Marc Caron at Duke University before joining the University of Minnesota faculty in 2021.



Structure-based Design of Novel Analgesics

John McCorvy, PhD, is an Associate Professor and Eminent Scholar at the Medical College of Wisconsin. Dr. McCorvy specializes in molecular pharmacology and drug design that target G protein-coupled receptors (GPCRs), with a focus on serotonin and opioid receptor signaling. Dr. McCorvy has published nearly 100 peer-reviewed articles on topics ranging from GPCR structure-function, GPCR biased signaling, and psychedelic drug action. Dr. McCorvy holds three NIH-funded grants, serves as a standing member in the Drug Discovery and Molecular Pharmacology (DMPB) NIH Study Section, and is widely sought for expert panels, symposia, and conference presentations worldwide.



2026 Organizing Committee

Cheryl Stucky, PhD

Marvin Wagner Endowed Professor, Director of the WINS Pain Pillar, and Director, Pain Division, Neuroscience Research Center (NRC)

Aaron Mickle, PhD

Associate Professor in the Department of Physiology, Neurosurgery and Urology

Taylor Sheahan, PhD

Assistant Professor in the Department of Cell Biology, Neurobiology and Anatomy

Jonathan Enders, PhD

Postdoctoral Researcher in the Department of Cell Biology, Neurobiology and Anatomy

Gabbie Robilotto

Graduate Student in the Department of Physiology

Bradey Stuart

Medical Scientist Training Program

(MSTP) Student in the Department of Cell Biology, Neurobiology and Anatomy

Hannah Anderson

Graduate Student in the Department of Physiology

Anna Douangphachanh

Program Associate, Neuroscience Research Center (NRC)

Volunteers

Zainab Khalid, Research Assistant Graduate Student

Dianise Rodriguez Garcia, Research Assistant Graduate Student

Bhavana Talluri, Research Associate

Laney Waydick, Research Technologist

Brandon Wills, Research Technologist

Thank you sponsors!

Advancing a Healthier Wisconsin Endowment (AHW), MCW Neuroscience Research Center (NRC), MCW Wisconsin Institute of Neuroscience (WINS), and MCW Departments: Cell Biology, Neurobiology & Anatomy, Anesthesiology, Medicine, Neurology, Neurosurgery, Pharmacology & Toxicology, and Physiology.



SURVEY
Please help us improve
and take this quick survey.



Thank you and
see you next year!