



MOUNTAIN WEST CTR-IN

Clinical Translational Research Infrastructure Network

ANNUAL MEETING

Advancing Health Equity: From Local to Global



JW MARRIOTT LAS VEGAS
November 17-18, 2022 | Las Vegas, NV

TABLE OF CONTENTS

November 17-18, 2022
MW CTR-IN
ANNUAL MEETING



Welcome Message	1
Venue Map – Location Details	2
Pre-Meeting Activities – Wednesday, November 16, 2022	5
DAY ONE – Thursday, November 17, 2022	5
DAY TWO – Friday, November 18, 2022	9
Acknowledgements	13

WELCOME MESSAGE

November 17-18, 2022
MW CTR-IN
ANNUAL MEETING



I would like to extend a very warm welcome to all of the participants, particularly our Mountain West research leadership, staff, investigators, collaborators, and colleagues to the 2022 Mountain West Clinical & Translational Research Infrastructure Network Program's Annual Meeting, hosted by the University of Nevada, Las Vegas – School of Public Health at the JW Marriott Resort & Spa.

The theme of our Annual Meeting this year is *Advancing Health Equity: From Local to Global*. We hope that the discussions and connections that we have at this year's meeting will support and continue our unified pursuit of reducing and eliminating health disparities in our diverse communities, as we continue to further foster and enhance the clinical & translational research infrastructure in the Mountain West Region.

We are honored to have such an exceptional lineup of diverse speakers and pilot grantees, who have joined us to share their presentations on clinical & translational research being conducted at our partner universities in Alaska, Idaho, Montana, Nevada, New Mexico, and Wyoming.

We hope that you enjoy your experience as you further develop collaborations to continue your research to improve the health of our communities.

Thank you and welcome again.

Francisco S. Sy, MD, DrPH
Principal Investigator
Mountain West CTR-IN Program
Professor & Chair
Department of Environmental & Occupational Health
School of Public Health
University of Nevada, Las Vegas

VENUE MAP

November 17-18, 2022
MW CTR-IN
ANNUAL MEETING

JW MARRIOTT SPA TOWER

- 1 Accents Gift Shop
- 2 Entrance to Grounds via Zen Walk
- 3 Personal Planning Center
• Business Center
• Hertz Car Rental
- 4 Front Desk/Concierge/Golf Desk
- 5 Hotel Registration & Valet Parking
- 6 Hawthorn Grill

JW MARRIOTT PALMS TOWER

- 7 Hotel Entrance & Valet Parking
- 8 Complimentary Fitness Area (2nd Floor)
- 9 Palms Lobby
- 10 Entrance to Garden Walkways
- 11 Palms Executive Conference Center
- 12 Parian Room

THE PROMENADE

- 13 Entrances to Promenade Walkway
- 14 Spiedini Ristorante
- 15 Jade Asian Kitchen & Noodles
- 16 Bingo Room-Must be 21
- 17 Clubhouse Deli
- 18 Race & Sports Book-Must be 21
- 19 Earl Grey Café
- 20 Market Place Buffet
- 21 Starbucks
- 22 Cascade

SPA AQUAE SPA & SALON

- 23 Salon
- 24 Spa Entrance & Boutique
- 25 Spa Fitness Area

RAMPART CASINO-Must be 21

- 26 Ringside Bar
- 27 Round Bar
- 28 Summerlin Room
- 29 Rampart Rewards Club
- 30 Casino Valet & Main Entrance
- 31 Addison's Lounge

CONFERENCE CENTER

- | | |
|--|---|
| 32 Grand Ballroom | 40 Madrid |
| 33 Castilla | 41 Leon |
| 34 Cataluna | 42 Aragon |
| 35 Escalators to Valencia Ballroom (2nd Floor) | 43 Sevilla |
| 36 Andalucia | 44 Business Center |
| 37 Galicia | 45 Exterior Entrance to Conference Center |
| 38 Murcia | 46 Marquis Ballroom |
| 39 Navarra | |



NOTE: Please follow the dark blue arrows for the shortcut to the Conference Center from the Palms Tower.

LOCATION DETAILS

**JW MARRIOTT
LAS VEGAS
RESORT & SPA
Conference &
Events Center**

221 N. Rampart Blvd,
Las Vegas, NV 89145
(702) 869-7777

**GETTING
AROUND**



QUESTIONS?

If you have any questions, please contact
the Mountain West CTR-IN Program
Administrative Office at
(702) 895-1079

CTR-IN@UNLV.edu

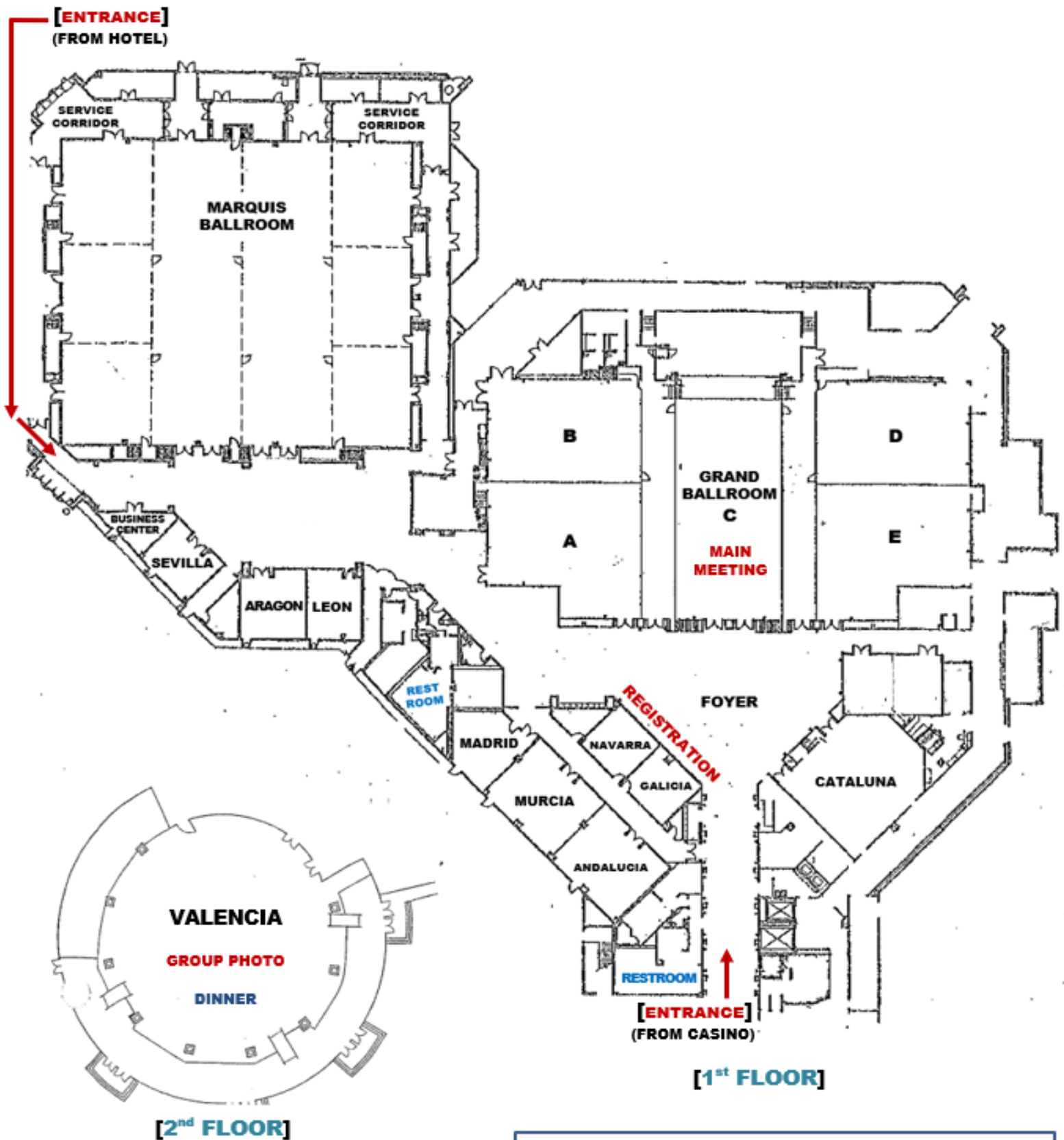
or visit

<https://ctrin.unlv.edu/>

2022 ANNUAL MEETING WEBSITE



For more information, please
scan the QR code above



PLEASE USE THE ESCALATORS OR
ELEVATOR TO GET TO THE 2ND FLOOR.

JW MARRIOTT LAS VEGAS RESORT & SPA
[Conference / Events Center]

PRE-MEETING ACTIVITIES

Wednesday, November 16, 2022

November 17-18, 2022

MW CTR-IN
ANNUAL MEETING

10:00 am – 5:00 pm *Advanced Grant Writing Workshop*
CATALUNA ROOM

2:00 pm – 3:00 pm *External Advisory Committee (EAC) Meeting (Hybrid)*
ANDALUCIA ROOM

5:30 pm – 8:30 pm *Executive Committee Meeting*
ANDALUCIA ROOM

DAY ONE - AGENDA

Thursday, November 17, 2022

November 17-18, 2022
MW CTR-IN
ANNUAL MEETING

7:00 – 8:00 am

Breakfast *FOYER *Buffet Available*

8:00 – 8:30 am

Welcome Remarks

Francisco S. Sy, MD, DrPH

Principal Investigator, MW CTR-IN

Professor, UNLV School of Public Health

Opening Remarks

David Hatchett, PhD

Interim Vice President for Research

University of Nevada, Las Vegas

PLENARY SESSION I

GRAND BALLROOM C

Moderator: Francisco S. Sy, MD, DrPH

Professor, UNLV School of Public Health

8:30 – 9:30 am

Keynote Address

CDC's CORE Health Equity Science and Intervention Strategy

Leandris Liburd, PhD, MPH, MA

Director, Office of Minority Health and Health Equity

Associate Director for Minority Health and Health Equity

Centers for Disease Control and Prevention

9:30 – 10:15 am

Clinical & Translational Research in IDeA States: Recent Accomplishments and New Opportunities

Michele McGuirl, PhD (Virtual)

Branch Chief, Research Advancement Programs

Division of Research Capacity Building

National Institute of General Medical Sciences (NIGMS)

National Institutes of Health

10:15 – 10:30 am

Break *FOYER *Snacks & Refreshments Available*

PLENARY SESSION II

GRAND BALLROOM C

Moderator: Larissa Myaskovsky, PhD, FAST

Professional Development Core Director

Professor, University of New Mexico Health Sciences Center

10:30 – 11:00 am

Mountain West Clinical & Translational Research Infrastructure Network: Program Overview, Accomplishments and Future Plans

Francisco S. Sy, MD, DrPH

Principal Investigator

Mountain West CTR-IN Program

University of Nevada, Las Vegas

11:00 – 11:30 am

Community Engagement Research Alliance (CEAL) Against COVID-19 Disparities: The Power of Partnership

Xinzhong Zhang, MD, PhD, FACE, FRSM (Virtual)

Chief, Health Inequities and Global Health Branch

Center for Translation Research & Implementation Science

National Heart, Lung, and Blood Institute (NHLBI)

National Institutes of Health

11:30 am – 12:00 pm

Marching towards Health Equity: Where are We – Still Talking or Walking?

Janice Bowie, PhD, MPH

Professor, Johns Hopkins Bloomberg School of Public Health

12:00 – 1:00 pm

Lunch *FOYER *Buffet Available*

PILOT GRANTEE PRESENTATIONS

1

GRAND BALLROOM C

Moderator: Curtis Noonan, PhD

Clinical Pilots Projects Program (CP3) Core Director
Professor
University of Montana

1:00 – 2:15 pm

Thriving Alaska Native Veterans: Translational Research for Health Promotion and Harm Reduction among Military Service Members

James Morton, Jr., PhD, NCC

Assistant Research Professor, Center for Alaska Native Health Research (CANHR)
University of Alaska, Fairbanks

Testing the Preliminary Efficacy of a Mindfulness-Based Smartphone App Intervention for Nurses traumatized from the COVID-19 Pandemic

Andrew Thomas Reyes, PhD, RN

Associate Professor, School of Nursing
University of Nevada, Las Vegas

Describing Brain Activity of African-American Older Adults with Alzheimer's Disease: Pilot Study

Ezra Holston, PhD, RN

Associate Professor, Orvis School of Nursing
University of Nevada, Reno

Esomeprazole otoprotection against cisplatin-induced hearing loss in cancer patients

Gabriel Barga, PhD, CCC-A/SLP

Associate Professor, Pediatric Audiology
Director, Rehabilitation and
Communication Sciences PhD Program
Idaho State University

Dong “Danny” Xu, PhD

Associate Professor, Pharmacy
Director, Pharmaceutical Science Graduate
Programs
Idaho State University

PILOT GRANTEE PRESENTATIONS

2

(Virtual)

GRAND BALLROOM C

Moderator: Robert S. Seville, PhD

Clinical Pilots Projects Program (CP3) Associate Core Director
Concierge Network Chair
Professor
University of Wyoming

2:15 – 3:15 pm

Enhanced Control for a Lower Limb Prosthesis using High-Density Surface Electromyography

Corey Pew, PhD, MS

Assistant Professor, Department of Mechanical & Industrial Engineering
Montana State University

Traditional food security (TFS) and health: Validating a novel TFS assessment tool, and examining the relationship between TFS and diet quality among Alaska Native people

Ruby Fried, PhD

Assistant Professor, Division of Population Health Sciences
University of Alaska Anchorage

Mental Illness and Health Information Technology Use in the United States

Jagdish Khubchandani, MBBS, PhD

Professor of Public Health
New Mexico State University

Myosin cross-bridge activation of contraction in human myocardium

Daniel Fitzsimons, PhD

Assistant Professor
Department of Animal, Veterinary & Food Sciences
University of Idaho

3:15 – 3:30 pm Break **FOYER** **Snacks & Refreshments Available*

3:30 – 4:30 pm **MEETING ROOM A** ***Community Engagement & Outreach (CEO) Core and Practice-Based Research Network (PBRN) Meeting***

Moderators: Tony Ward, PhD
Director, CEO Core
Professor
University of Montana

Jeffery C. Peterson, PhD
Associate Director, CEO Core
Research Professor
University of Montana

4:30 – 5:30 pm **MEETING ROOM B** ***Biostatistics, Epidemiology, Research, & Design (BERD) Core Meeting***

Moderators: Chad Cross, PhD, MFT, PSTAT (R), C-MDI
Co-Director, BERD Core
Associate Professor-in-Residence
School of Public Health,
University of Nevada, Las Vegas

Juli Petereit, PhD
Co-Director, BERD Core
Director, Nevada Bioinformatics Center
University of Nevada, Reno

4:30 – 5:30 pm **MEETING ROOM D** ***Concierge Network Meeting***

Moderator: Robert S. Seville, PhD
Clinical Pilots Projects Program (CP3) Associate Core Director
Concierge Network Chair
Professor
University of Wyoming

5:30 – 6:30 pm *Professional Development (PD) Core Meeting*
MEETING ROOM E

Moderator(s): Larissa Myaskovsky, PhD, FAST
Director, Professional Development Core
Director, Ambassador Translational Research In Progress (ATRIP) Program
Professor
University of New Mexico - Health Sciences Center

Akshay Sood, MD, MPH
Associate Director, PD Core – Mentoring Unit
Director, Faculty Mentor Development Program (FMDP)
Professor
University of New Mexico - Health Sciences Center

Ruben Dagda, PhD
Associate Director, PD Core
Director, Grant Writing Workshop (GWW) Program
Director, Advance To Funding (ATF) Program
Associate Professor
University of Nevada, Reno

Weiyu Mao, PhD, MSW, MPhil
Associate Director, PD Core – Education Unit
Co-Chair, Curriculum Advisory Group (CAG)
Associate Professor
University of Nevada, Reno

Brach Poston, PhD
Associate Director, PD Core – Education Unit
Co-Chair, Curriculum Advisory Group (CAG)
Associate Professor
University of Nevada, Las Vegas

5:30 – 6:30 pm *Internal Advisory Committee (IAC) Meeting (Hybrid)*
MEETING ROOM D

Moderator: David Hatchett, PhD
Interim Vice President for Research
University of Nevada, Las Vegas

6:30 – 7:00 pm *GROUP PHOTO*
VALENCIA ROOM
2ND FLOOR

7:00 – 9:00 pm *Welcome Reception & Networking Dinner*
VALENCIA ROOM
2ND FLOOR
Faculty Mentor Awards

DAY TWO - AGENDA

Friday, November 18, 2022

November 17-18, 2022

MW CTR-IN
ANNUAL MEETING

7:00 – 8:00 am

Breakfast **FOYER** *Buffet Available

PLENARY SESSION III

GRAND BALLROOM C

Moderator: Francisco S. Sy, MD, DrPH
Professor, UNLV School of Public Health

8:00 – 9:00 am

Keynote Address

How Science Can Promote Health Equity (Virtual)

Eliseo Perez-Stable, MD

Director, National Institute on Minority Health and Health Disparities (NIMHD),
National Institutes of Health (NIH)

9:00 – 9:45 am

Translating Structural Violence into Health Equity

Jesus Ramirez-Valles, PhD, MPH

Chief & Professor, Division of Prevention Science, Walter Gray Professor on HIV/AIDS
Science of the AIDS Research Institute, Center for AIDS Prevention Studies,
UCSF Prevention Research Center
University of California San Francisco

9:45 – 10:00 am

Break **FOYER** *Snacks & Refreshments Available

PILOT GRANTEE PRESENTATIONS 3

GRAND BALLROOM C

Moderator: Curtis Noonan, PhD
Clinical Pilots Projects Program (CP3) Core Director
Professor, University of Montana

10:00 – 11:00 am

Human herpesviruses in augmenting COVID-19 symptoms

Timsy Uppal, PhD, MS

Assistant Research Professor
Department of Microbiology & Immunology
University of Nevada, Reno

Subhash C. Verma, PhD

Associate Professor
Director
Cell & Molecular Biology Graduate Program
University of Nevada, Reno

Epigenetic biomarker for prenatal fipronil exposure and health outcomes in newborns

Yoon Hee Cho, PhD, MPH

Associate Professor, Department of Biomedical & Pharmaceutical Sciences, Center
for Environmental Health Sciences
University of Montana

An air quality-focused personnel intervention to improve health among nursing home residents

Luke Montrose, PhD

Assistant Professor
Boise State University/Colorado State University

Novel Methods of assessing household wood smoke exposure in the rural Mountain West

Shuguang Leng, MBBS, PhD

Assistant Professor, Department of Internal Medicine
Division of Epidemiology, Biostatistics, & Preventive Medicine and Cancer Center,
Cancer Control & Population Science
University of New Mexico - Health Sciences Center

**PILOT GRANTEE
PRESENTATIONS**
4
GRAND BALLROOM C

Moderator: Robert S. Seville, PhD
Clinical Pilots Projects Program (CP3) Associate Core Director
Concierge Network Chair
Professor
University of Wyoming

11:15 am– 12:15 pm

Biomechanical Analysis of Knee Motion to Prevent and Treat Progression of Knee Osteoarthritis

Tyler N. Brown, PhD, CSCS

Associate Professor and Co-Director, Department of Kinesiology
Center for Orthopedic & Biomechanics Research
Boise State University

Native American Caregiver-Child Shared Book Reading Interactions: A Descriptive Study and Integrative Review

Mark Guiberson, PhD, CCC-SLP

Director & Professor, Communication Disorders - Child Language
University of Wyoming

Novel Identification of the Mechanosensitive Piezo 1 Channel in Pregnant Human Myometrium: Regulation of Quiescence

Iain L. O. Buxton, PharmD

Regents Professor and Foundation Professor, School of Medicine
University of Nevada, Reno

Leveraging Stretch-Activated Channels in the Uterus to Develop Novel Therapeutic Approaches to Halt Pre-term Labor

Scott D. Barnett, PhD

Assistant Professor, School of Medicine
University of Nevada, Reno

12:15 – 1:15 pm

Lunch FOYER *Snacks & Refreshments Available

1:15 – 2:15 pm

MEETING ROOM A

Clinical Pilot Projects Program (CP3) Core Meeting

Moderator (s): Curtis Noonan, PhD

Clinical Pilots Projects Program (CP3) Core Director
Professor
University of Montana

Robert S. Seville, PhD

Clinical Pilots Projects Program (CP3) Associate Core Director
Concierge Network Chair
Professor
University of Wyoming

**PILOT GRANTEE
PRESENTATIONS**
5
GRAND BALLROOM C

Moderator: Robert S. Seville, PhD
Clinical Pilots Projects Program (CP3) Associate Core Director
Concierge Network Chair
Professor
University of Wyoming

2:15–3:30 pm

Genetic impact of COVID-19 infection and severity on Alzheimer's disease

Jingchun Chen, MD, PhD
Associate Research Professor
Nevada Institute of Personalized Medicine
University of Nevada, Las Vegas

Preliminary examination of guardian cap head impact data using instrumented mouthguards

Nicholas G. Murray, PhD, MA
Assistant Professor
School of Public Health
University of Nevada, Reno

Implementing the MOBILE Intervention in College Students with Elevated Blood Pressure

Dieu-My T. Tran, PhD, RN, CNE
Associate Professor
School of Nursing
University of Nevada, Las Vegas

Effects of Matrix Metalloproteinase 9 Inhibition on Uterine Contraction and Birth Timing

Craig Ulrich, PhD
Research Assistant Professor
School of Medicine
University of Nevada, Reno

Heather Burkin, PhD
Assistant Professor
Department of Pharmacology
School of Medicine
University of Nevada, Reno

3:30–3:45 pm

Break **FOYER** *Snacks & Refreshments Available

PILOT GRANTEE PRESENTATIONS

6

GRAND BALLROOM C

Moderator: Curtis Noonan, PhD

Clinical Pilots Projects Program (CP3) Core Director
Professor, University of Montana

3:45 – 5:00 pm

Development, Acceptability and Short-Term Outcomes of a Parent Module for Brief, Bullying Bystander Intervention for Middle School Students in Rural, Low-Income Communities

Aida Midgett, EdD, MA

Chair & Professor
Department of Counselor Education
Boise State University

Preventing Colorectal Anastomosis Failure with Finite Element Method (FEM) Validated with Ex-VIVO Model

Brian Ward, MD, PhD

Assistant Professor
Surgery
Kirk Kerkorian School of Medicine
University of Nevada, Las Vegas

Mohamed Trabia, PhD

Associate Dean for Research
Graduate Studies & Computing
School of Engineering
University of Nevada, Las Vegas

Circulating Plasma Angiotensin Peptides as Biomarkers of Rheumatoid Arthritis

Ali Aghazadeh-Habashi, PhD

Assistant Professor
Pharmacy
Idaho State University

Maximizing mobility in Parkinson's Disease: Effects of an Individualized training program on fall risk

Evan V. Papa, PT, DPT, PhD

Associate Professor
Doctor of Physical Therapy Program
Idaho State University / Tufts University

Utilization of Geographic Information Systems to Assess Patient Access to Diabetes Self-Management Education and Support (DSMES)

Renee Robinson, PharmD, MPH, MSPHarm, MBA

Associate Professor
Pharmacy
Idaho State University

5:00 pm

WRAP-UP & ADJOURN

THANK YOU FOR ATTENDING OUR ANNUAL MEETING!

We would like to thank the participation & support of:

- **NIH / NIGMS**
- **Keynote Speakers**
- **Plenary Speakers**
- **Pilot Grantees**
- **Faculty of the MW CTR-IN Partner Institutions**
- **IAC & EAC Members**
- **Executive Committee Members**
- **PD, BERD, CP3, CEO, and T&E Cores**
- **Concierge Network**
- **Administrative Core Staff**

We look forward to continuing our research collaborations with the following partner institutions:

- **University of Alaska, Anchorage**
- **University of Alaska, Fairbanks**
- **Boise State University**
- **Idaho State University**
- **University of Idaho**
- **Montana State University**
- **University of Montana**
- **University of Nevada, Las Vegas**
- **University of Nevada, Reno**
- **University of New Mexico – Health Sciences Center**
- **New Mexico State University**
- **University of Wyoming**