

WYOMING INBRE CONFERENCE APRIL 27-29, 2017
University of Wyoming, Laramie UW Conference Center (UWCC) and
Marion H Rochelle Gateway Center (MHRGC)

Thursday, April 27th: UW Conference Center (UWCC) west end of Hilton Inn

NOTE: Graduate students may set up posters in Salon D between 9:00 am and 4:30 pm.

There will be a numbered list of posters for location. Magnets/adhesives provided.

Time	Presentations UWCC Salon E	External Review Team Focus Groups UWCC Salon F/G
8:45- 9:20 am	Welcome – light breakfast. R. Scott Seville, Wyoming INBRE Program Director.	Administrative and Outreach and Education Cores Focus Group 9:00-10:20 am
9:20- 9:40 am	Thematic Project: Anya Lyuksyutova, Dept. of Molecular Biology, UW. Nonalcoholic Steatohepatitis Treatment via Micro-RNA Inhibition of Glucosyl Ceramide Synthase (GSH)	
9:40-10:00 am	Thematic Project: Baskaran Thyagarajan, School of Pharmacy, UW. TRPV1 activation prevents high fat diet-induced non-alcoholic fatty liver disease in obesity via SiRT-1-dependent mechanisms	
10:00-10:20 am	Pilot Project: Carl Frick, Dept. of Mechanical Engineering, UW. Tailored Transcorneal Drainage Device Using Nano-porous Liquid-Crystalline Elastomers	
10:20-10:40 am	Thematic Project: Brian Cherrington, Dept. of Zoology and Physiology, UW. Epigenetic Regulation of miRNA Biogenesis in Pituitary Lactotrope Cells	Bioinformatics Core and DRPP Focus Group 10:20-11:40 am
10:40-11:00 am	BREAK	
11:00 am- 11:20pm	Thematic Project: Amy Navratil, Dept. of Zoology and Physiology, UW. Understanding Gonadotrope Regulation of Fertility	
11:20-11:40 pm	Thematic Project: John Oakey, Dept. of Chemical Engineering, UW. Circulating Tumor Cell Capture and Release from Degradable Hydrogel Surfaces	OPEN
11:40-Noon	Thematic Project: Wei Guo, Dept. of Animal Sciences, UW. Molecular mechanism(s) of RBM20 in the regulation of cardiac gene splicing in heart failure	
Noon-1:20 pm	LUNCH on own*	Thematic, Pilot, Collaborative Project Investigators Focus Group* with LUNCH: 12:00 – 1:20 pm
Noon-1:20 pm	External Advisory Committee (EAC) executive session/discussion/ INBRE Core Directors (Lunch in UWCC Board Room)	
1:20-1:40 pm	Thematic Project: Guanglong He, School of Pharmacy, UW. Obesity-associated Chronic Inflammation and Myocardial Dysfunction	Graduate Student Focus Group 1:20-2:40 pm
1:40-2:00 pm	Thematic Project: Christine Porter, Division of Kinesiology and Health, UW. Growing health from the grassroots: accomplishments on four aims I	
2:00-2:20 pm	Pilot Project: Jason Gigley, Dept. of Molecular Biology, UW. Heavy metal chelators and putative copper binding protein TgSco1 as novel therapeutic agents against <i>Toxoplasma gondii</i>	
2:20-2:40 pm	Break	

2:40-3:00 pm	Pilot Project: Katie Li, Dept. of Chemical Engineering, UW. Microfluidic Production of Multimodal Therapeutic PEG Hydrogel Nanoparticles	
3:00-3:20 pm	Pilot Project: Grant Bowman, Dept. of Molecular Biology, UW. Sub-Micron Scale Anatomy in Bacteria	
3:20-3:40 pm	Collaborative Project: Bud Chew and Jun Ren, Dept. of Biology, Western Wyoming CC and School of Pharmacy, UW. Environmental Pollutant Acrolein Triggers Myocardial Insulin Sensitivity, Contractile Dysfunction and Apoptosis: Role of TRPV1	
3:40-5:00 pm		EAC Focus Group 3:40-5:00 pm
5:30-7:30 pm	Reception and Graduate Student Poster Session	<i>UWCC Salon D</i>

Friday, April 28: UW Conference Center and MHRGC

NOTE: Undergraduate students may set up posters between 1:30 and 4:30 pm.

There will be a numbered list of posters for location. Adhesives provided.

Time	Presentations UWCC Salon E	External Review Team Focus Groups: UWCC Salon F/G
8:00 am	Light Breakfast	
8:20-8:40 am	Pilot Project: Jared Bushman, School of Pharmacy, UW. Localized Immunosuppression for Peripheral Nerve Allografts	Primarily Undergraduate Institution Faculty & Statewide Steering Committee Focus Group (with breakfast) 8:20-9:40 am
8:40-9 am	Collaborative Project: Baskaran Thyagarajan & Steve McAllister, School of Pharmacy, UW and Dept. of Biology, Central Wyoming College Analyses of mechanisms by which TRP protein activation protects from vascular dysfunctions in metabolic syndrome	
9-9:20 am	Thematic Project: Rebecca Carron, School of Nursing, UW. Polycystic Ovary Syndrome in American Indian Women: An Exploratory Study	
9:20-9:40 am	BREAK	
9:40-10 am	Collaborative Project: Patrick Johnson & Florence Teulé-Finley, Chemical Engineering, UW and UW at Casper. Generation of Electrospun Spider Silk Nanofiber Mats for Medical Applications	
10-10:20 am	Collaborative Project: Matt Carling & Eric Atkinson, Dept. of Zoology and Physiology, UW and Dept. of Biology, Northwest College. Investigating the factors that influence the distribution and impacts of diseases in wild birds	
10:20-10:40 am	Collaborative Project: Merav Ben-David & Hayley Lanier, Dept. of Zoology and Physiology, UW and UW at Casper. Genomic assessment of the role of relatedness in spatial overlap among least chipmunks (<i>Tamias minimus</i>) in the Laramie Range	
10:40-11 am	Community College Program Report: Eric Atkinson, Northwest College. Antibiotics, birds, and Caloplaca-all the way to Zonotrichia: The ABC's of INBRE at Northwest College	
11:00 am	Break out for meetings <i>Lunch on own for non-EAC/SSC</i>	

11-Noon	Statewide Steering Committee (SSC) Meeting (MHRGC Boyd Room)	
Noon-1:00 pm	EAC/SSC/ Evaluation Team Luncheon (MHRGC Boyd Room)	
1-2:00 pm	External Advisory Committee meeting (MHRGC Boyd Room)	Undergraduate Student Focus Group <i>1:00–2:20 pm</i>
2-2:20 pm	Community College Program Report: Steve McAllister, Central Wyoming College. The Central Wyoming College Undergraduate Research Program Engages Students in Diverse Research Activities	
2:20-2:40 pm	Community College Program Report: Dagmara Motriuk-Smith, UW at Casper. INBRE supported research at Casper College and the University of Wyoming at Casper	
2:40-3:00 pm	Community College Program Report: Chris Wenzel, Eastern Wyoming College. Denitrification Potential of Soil Microbes in the Lower North Platte River Valley, Wyoming	
3:00-3:20 pm	Community College Program Report: Ami Wangeline & Zac Roehrs, Laramie County Community College. PUI... Fertilizer for undergraduate minds and growth at Laramie County Community College	
3:20-3:40 pm	BREAK	UW Vice President for Research and Economic Development, other Administrators Focus Group <i>3:00-4:20 pm</i>
3:40-4:00 pm	Community College Program Report: Bud Chew, Western Wyoming Community College. INBRE Research at Western WY Community College Provides Tremendous Student Opportunities	
4:00-4:20 pm	Community College Program Report: Ami Erickson, Northern Wyoming Community College District-Sheridan and Gillette Colleges. Northern Wyoming Community College INBRE-Supported Research Activities	
4:20-4:40 pm	Collaborative Project: Sadanand Dhekney & Ami Erickson, Agriculture Experiment Station, UW and Dept. of Biology, Sheridan College. Grapevine Cellular and Physiological Response to Salinity Stress	
REMARKS/Move to MHRGC - R. Scott Seville, Wyoming INBRE Program Director		
5:00-6:30 pm	Reception and Undergraduate Poster Session Marion H. Rochelle Gateway Center (MHRGC)- Legacy Hall & Atrium	
6:30-8:30 pm	INBRE Banquet Keynote Talk: Knockin' on Fertility's Door: Understanding Gonadotrope Function	Dr. Amy Navratil MHRGC Salon A/B

Saturday, April 29th

Time	Location TBD
12:30-2:30 pm	Working lunch: External Review Team/Seville/Bergman

Wyoming Undergraduate Research Day (URD)

See Undergraduate Research Day Schedule for specific student presentation rooms and times

8:00-9:45 am	INBRE Breakfast/ Community Forum Wyoming Union Ballroom eRA Commons, WY INBRE Reporting, assessment, questions, programs and upcoming events
10:00 am- 4pm	Wyoming Undergraduate Research Day (URD) UW Classroom Building
Noon-1:00 pm	LUNCH* – on your own Due to the high numbers of presentations there may not be a clear 'lunch hour'
3:00-5:00 pm	INBRE URD Poster Session (Wyoming Union 2 nd floor)
5:45- 7:30 pm	Wyoming URD Banquet and Keynote (Wyoming Union Yellowstone Ballroom)