Poster Presentation & Project Display Schedule

SYMPOSIUM FOR
UNDERGRADUATE RESEARCH, SCHOLARLY & CREATIVE ACTIVITY

Poster

&

Project Display

Session I

11:00 am - 12:00 pm

SYMPOSIUM FOR

UNDERGRADUATE RESEARCH,
SCHOLARLY & CREATIVE ACTIVITY

Poster and Project Session I: 11:00 – 12:00 pm in Tripp Commons (2nd Floor)

by Abstract Submitter's Name

Poster #	Primary Presenter	University	Presentation Title	Mentor(s)
	Mickey Schommer	UW-Green Bay	Doing "Other Stuff": Negotiating Sexual Identities in Christian Communities	Valerie Murrenus-Pilmaier
2	Nathan Jarvey	UW-Green Bay	Does Pre-Processing of Photospheric Vector Magnetograms Alter the Information They Contain About Coronal Currents?	Brian Welsch
3	Oli Pierce	UW-Milwaukee	The Gangster Buffs of Charleston: Jewish Safety in a Southern City	Rachel Ida Bluff
4	Samantha Loomis	UW-Green Bay	The Effects of Parental Narcissism on Long-Term Social Cognition: An EEG Study	Jason Cowell
5	Sayla Hernandez	UW-La Crosse	Managing and Minimizing Racism and Diversity Resistance in the Workplace	Nese Nasif
6	Connor Alton	UW-Parkside	Parasite Communities in Fish Populations of Northern Wisconsin	Jessica Orlofske
7	Shaun Harrington	UW-Milwaukee	Efficient Palladium-Catalyzed Buchwald-Hartwig Amination of Brominated Heterocycles using $Pd_2(dba)_3$ and Xphos Ligand	Alexander Arnold
8	Jadyn Hartwig	UW-Eau Claire	Exploring User Experiences with *Amanita muscaria* : A Thematic Analysis of Reddit Online Forum Discussions	Douglas Matthews
9	Joseph Mikkelson	UW-Platteville	Microgrid Testbed for Cybersecurity Studies: A Platform for Testing Attacks and Resilience	Yanwei Wu
10	Lauren Broman	UW-La Crosse	Sex Difference in Stress-Induced Increase in Epithelial Permeability in the Mouse Colon	Sumei Liu
11	Aaron Shue	UW-Eau Claire	Literature Review of the Role of Nursing Students, Registered Nurses, and Nurse Practitioners Within Advance Care Planning	Mel Skoff
12	Cadence Kuhn	UW-Eau Claire	Refining the Autism Spectrum Disorder Attention Profile (ASDAP): Attention Assessment in ASD	Lesley Mayne
13	Brandon Fowler	UW-Platteville	Applications of Blockchain in Farm Environments	Yanwei Wu
14	Julia Jakusz	UW-Milwaukee	In Vivo Evaluation of FAN-NM-CH_3 and Vitamin C Combination Therapy in Cancer Models	Xiaohua Peng
15	Samuel Stumo	UW-Eau Claire	A Systematic Review of SMART Recovery, LifeRing, and Women for Sobriety Mutual Help Groups for Alcohol Use Disorders: Outcomes, Moderators, and Mechanisms of Change	Douglas Matthews
16	Andrew Veroeven	UW-Whitewater	Chemical and Textual Differences in Two Recently Erupted Volcanoes in the Reykjanes Peninsula of Iceland	Prajukti Bhattacharyya

17	Christine Becerra Lopez	UW-Madison	Solving Math Problems Together: Exploring Translanguaging in Spanish-English Bilingual Children	Martha Alibali
18	Kandis Fieber	UW-Eau Claire	Identifying Challenges Related to the Management of Comorbidities in People with Dementia in Residential Care: Expert Delphi Consensus Exercise	Frances Hawes
19	Gabrielle Siudzinski	UW-Green Bay	The Ethical Concerns of Using AI in Mental Health in Social Work	Jen Schanen-Materi
20	Kali Quade	UW-Milwaukee	Characterizing mCAs by Age, Sex, Ancestry, and Genomic Location to Predict Hematologic Malignancy	Paul Auer
21	Brendan Baird	UW-Madison	Soybean (Glycine max L.) Response to Increased Nickel Soil Content	Natasha Rayne
22	Hailey Fish	UW-Whitewater	The Role of Experiential Avoidance in Disordered Eating Attitudes and Behaviors and Alcohol and Nicotine Consumption in College Students	Heather Niemeier
23	Calvin Berndt	UW-Green Bay	AI-Powered Intelligent Reporting System for Enhancing Physical Classroom Accessibility	Farzana Aktar
24	Emma Middleton	UW-Whitewater	Gustatory Plasticity in *C. elegans* after Exposure to Nanoplastics	Daniel Zamzow
25	Nickolaus Shaw	UW-Platteville	Development of Internet-of-Things Button for Disability-Adapted Toys	Harold Evensen
26	Katie Kapp	UW-Whitewater	Garden Ethics: School Gardens for Virtue Ethics in the Biology Curriculum	Eric Luckey
27	Libby Nabham	UW-Whitewater	Interaction of FTT-2 and DAF-16 in the Parasitic Nematode *Brugia malayi*	Kirsten Crossgrove
28	Abigail Carlson	UW-River Falls	Isolation and Purification of Polyphenol Oxidase (Tyrosinase) from *Solanum Tuberosum*	Ross Jilk
29	Tristan Kreger	UW-Whitewater	Exploration of Intermolecular Forces using Chromatography	Kimberly Naber
30	Jadon Thornton	UW-Milwaukee	Cultural Resources at the UWM at Waukesha Field Station: Archaeological Perspectives on Past Human Behavior, Adaptations, and Land Use	Gregg Jamison
31	Jelena Lee	UW-Madison	Metabarcoding of Bacterial and Fungal Communities in the *Sarracenia-Wyeomyia smithii* Microecosystem	Kerri L. Coon
32	Emylya Sanders	UW-Parkside	Examining the Evolutionary Divergence of Duplicated Genes that Regulate Yeast Sulfur Metabolism	Traci Lee
33	Gwenyth Heidinger	UW-Whitewater	Processes of Soil Formation from Basaltic Bedrock in Reykjanes Peninsula in Iceland	Prajukti Bhattacharyya
34	Patrick Brannon	UW-La Crosse	The Effect of Spirituality and Religion on the Cessation of Drug Use and Crime among Reentering Offenders	Nicholas Bakken
35	Autumn Roskowiak	UW-River Falls	Mugwort Extract Rescues Acute Heart Failure in a Zebrafish Model	Cheng-Chen Huang

36	Josh Deutschlander	UW-Eau Claire	Enhancing Accessibility in Exhibition Design: Lessons from 'Beyond the Gaze' Exhibition	Jill Olm
37	Nicholas Barmore	UW-Whitewater	Synthesizing Zinc Oxide for the Photocatalytic Degradation of Organic and Pharmaceutical Compounds	Steven Girard
38	Holly Skinner	UW-Parkside	Characterizing Locomotor Behaviors in Different Strains of Mice	Fabian Preuss
39	Gwen Albers	UW-Eau Claire	What Changed on the Journey? How Chinese Food Carries Culture and Its Adaptation to the American Market	Kaishan Kong
40	Tyler Hendee	UW-Platteville	Shape Dependent Microparticle Filtration and Characterization	Gokul Gopalakrishnan
41	Natalie Meyer	UW-Parkside	Bumblebee Metapopulation Monitoring in Southeastern Wisconsin	Jessica Orlofske
42	Foster Boom	UW-Whitewater	Enhanced Bioactivity of Titanium Implants via Silicide-Bioglass Coatings	Steven Girard
43	Zach Jensen	UW-Platteville	An Efficient and Accurate Semiconductor Self-Assembled Quantum Dot Model	Wei Li
44	Seyedeh Parnian Vakili	UW-Milwaukee	The Role of Midkine in Pancreatic Cancer Liver Metastasis	Nikki K. Lytle
45	Veronica Hamilton	UW-Platteville	Machine Learning Model For "Scribbler" Adaptive Tool	Harold (Hal) Evensen
46	Mike Tschida	UW-Stout	Phosmet and Its Derivatives in Blueberries	Ana M.Q. Vande Linde
47	Jaxom Blaser	UW-Stevens Point	Using FANTASY (Fully Automated pythoN Tool for AGN Spectra analYsis) to Explore the Diversity of Quasar Phenomenology	Sebastian Zamfir
48	Margaret Urbas	UW-Whitewater	"Just Go Outside": Observation of the Amplifying Effect Nature Has on Mindful Mediation	Elizabeth Olson
49	Inessah Cernohous	UW-Eau Claire	The Impact of Medical Malpractice Reform: Non-Economic Damages in Minnesota and Wisconsin	Melissa Emerson
50	Aaron Botsch	UW-Eau Claire	Condensed-Phase Effects on the Structural and Energetic Properties of Nitrogen donor-SO_2 Complexes	James A. Phillips
51	Danielle Siewert	UW-Eau Claire	FTIR Analysis of Environmental Effects on Pyridine-SO_2 Complexes	James A. Phillips
52	Sam Stenberg	UW-La Crosse	Engineering Nanofluids for Electrochemical Applications: Thermophysical Properties of Surface Modified Silica Nanoparticle Suspensions	Sujat Sen
53	Sophia White	UW-Green Bay	Plaza de las Americas	Daniel Roarty & Marcelo Cruz

Poster

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Project Display

Session II

1:45 pm - 2:45 pm

SYMPOSIUM FOR

UNDERGRADUATE RESEARCH,
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Poster and Project Session II: 1:45 – 2:45 pm in Tripp Commons (2nd Floor)

by Abstract Submitter's Name

Poster #	Primary Presenter	University	Presentation Title	Mentor(s)
1	Eddie Ahler	UW-Platteville	MED-T: An Analysis of the Demographic Shift of the Healthcare Fiel	Richard Dhyanchand
2	Sarah Thomaschefsky	UW-Madison	Investigating the Effect of pH on Alpha Acid Isomerization Rates in Beer: An Inquiry-Based Analytical Chemistry Approach	Amanda Buchberger
3	Ian Cooper	UW-Whitewater	Approximate Multi-Agent Average Consensus in the Presence of Byzantine Agents	Hairi Hairi
4	Kylie Abbott	UW-Whitewater	Investigating DNA Sequences for Nuclear and Chloroplast Gene Regions in *Hydrocotyle* (*Araliaceae*)	Nicholas Tippery
5	Tyler McGinnis	UW-Stout	Investigating PPD Levels in Hair Dyes, Henna, and Tattoo Inks	Ana Magdalena Vande Linde
6	Matthew Christensen	UW-Platteville	Impact of Gradation Changes on the Volumetric Properties of Asphalt Mixtures	Danny Xiao
7	Megan Bahr	UW-Parkside	You're Drilling Me Crazy: Trepanation and the Evolution of Human Knowledge and Behavior	Keith Biddle
8	Jared Kendrick	UW-Eau Claire	The Impact of Sex and Age on the Effect of Acute Alcohol Exposure Across the Lifespan in Rats	Douglas Matthews
9	Zhu Lan Ness	UW-La Crosse	Signal Transduction through MHC Class I Proteins in Transplant Rejection	Dr. Zachariah Tritz
10	Kaci Granroth	UW-River Falls	Oxidation Reactions of Pinenes in the Atmosphere	Stacey Stoffregen
11	Giulia Mattana	UW-Eau Claire	Investigating Silicone Degradation and its Implications for Menstrual Cup Safety	Michaela Pfau-Cloud
12	Josephine Schmitt	UW-Green Bay	Vitamin D and Cancer: Shedding Light on Gene Polymorphisms in Ovarian Cancer Cells	Georgette Heyrman & Debra Pearson
13	Hailey Pucillo	UW-Eau Claire	Embryonic Deoxycorticosterone Exposure Affects the Development of Larval Zebrafish Swim Behavior	Brad Carter
14	Alexander Hurtado	UW-Stevens Point	Exploring SDSS Quasars in A Multiwavelength Approach: Optical Spectroscopy, Radio Morphology, and Infrared Photometry	Sebastian Zamfir
15	Riley Tucker	UW-Parkside	Growth and Experimental Measurements on Superconducting Thin Films and Heterostructures	Hom Kandel
16	Mykaela Grube	UW-Parkside	The Shape of My Heart: Building a 3D Model of a *Xenopus* Heart	Christopher Noto & Natalia Taft
17	Sarah Ferguson	UW-Whitewater	Functional Analysis of the *akt-1* Gene in *Brugia malayi*	Kirsten Crossgrove
18	Andrew Lawson	UW-Parkside	Gene Editing to Investigate Tolerance to Nitrogen Starvation in the Alga *Chlamydomonas reinhardtii*	David Higgs

19	Nick Scharschmidt	UW-Platteville	Silicon-Based Nozzles for Controlled Fiber Alignment in Composite 3D Printing	Gokul Gopalakrishnan & John Obielodan
20	Faith Hellmich	UW-Parkside	Temporal Trends in Water Quality Conditions of the Pike River, Kenosha, WI	Jessica Orlofske
21	Megan Honn	UW-Whitewater	Synthesis and Biological Studies of Complex Heterocyclic Amines	Hephzibah J. Kumpaty
22	Mollee Gruszynski	UW-River Falls	Evaluating Food Resource Partitioning Between Sympatric Voles in Northern Minnesota	Andrew Haveles
23	Hossein Khatibi	UW-Milwaukee	Characterizing the Relationship Between Self-Reported Trauma and Neural Indices of Cognitive Inhibition	Zachary Gemelli
24	Mason Musack	UW-Platteville	MED-T; A Response to Declining Male Involvement in Healthcare Careers.	Richard Dhyanchand
25	William Nerad	UW-Whitewater	An Analysis of Hail Events to Determine the Location and Vulnerability of "Hail Alley"	John Frye
26	Samantha Peterson	UW-Parkside	The Effect of Substrate on the Isopod Growth	Jessica Orlofske, Ph.D.
27	Aashvi Pandey	UW-Green Bay	RAGE Signaling in Pancreatic Beta-Cells	Carly Kibbe
28	Emily Connell	UW-Whitewater	Proteomic Analysis of Amyloid Proteins within the Sperm Acrosome in Freshly Ejaculated Human Semen	Nathaly Cormier
29	Margaret Urbas	UW-Whitewater	Escalation in an Emotional-Language Matching Task	David Havas
30	Heather Hatfull	UW-River Falls	Summer Annual Forages and Other Vegetation Cover Influence on Soil Health in Northwest Wisconsin	Yoana Newman
31	Christian Wirtz	UW-Platteville	Integration of Ignition in an Industrial Research Testbed	Harold Evensen
32	Heather Guiney	UW-Whitewater	Exploring the Relationships among Nicotine Use Expectancies and Disordered Eating Attitudes and Behaviors in College Students	Heather Niemeier
33	Valentina Rovella	UW-Parkside	Characterizing the Effects of Sugar Transport and Metabolism Genes on the Growth of *Escherichia coli* during Glucose-Phosphate Stress	Gregory Richards
34	Jonathan Buscher	UW-Madison	Investigating the Role of the Omega Subunit of RNA Polymerase in Translation Elongation in *Escherichia coli*	Trevor Rowray, Rachel Mooney, & Robert Landick
35	Annette Barzano	UW-Parkside	Time Matters-Investigating the Best Time for the Application of Cancer Treatment	Fabian Preuss
36	Kamila Gutierrez	UW-Milwaukee	Addressing The Gender Gap in Atheist Communities	Esther Chan

37	Samantha Esp	UW-Parkside	The Effect of Sense of Agency on Voluntary Motor Action	Melissa Gregg
38	Beijin Guo	UW-Eau Claire	Is This Generation Too Tired? The Cultural Impact of Tang Ping and Its Reflection in Western Culture	Kaishan Kong
39	Nhi Nguyen	UW-River Falls	MCF-7 Breast Adenocarcinoma Cells Display a Form of "Blebbing" or Ameboid Motility Involving Rapid Bleb Structure Rotation through Pleomorphic Processes	Timothy Lyden
40	Blake Beyer	UW-Parkside	Parent Factors and their Effects on Emerging Adult Internalizing Behaviors	Meredith McGinley
41	Katrina Hammerberg	UW-Green Bay	Discovery and Characterization of Fungal Antimicrobials from Environmental Samples	Rebecca Abler, Julie Wondergem, & Lisa Grubisha
42	Morgan Greene	UW-Milwaukee	Reclaiming Queer Spaces: Neptune Club	Adam Thibodeaux
43	Ravneet Kaur	UW-Milwaukee	Maternal Responses to Infant Disengagement: Physical Strategies Mothers Use to Maintain Attunement with Their Infant	Victoria Moerchen & Jacqueline Westerdahl
44	Emily Kubicek	UW-River Falls	3D Organoids Employed to Study the Impact of Co-cultured Breast Adenocarcinoma Cell-line MCF-7 and Normal Ductal Epithelial Cell-line MCF10A in Artificial Tumor Tissue Model	Timothy Lyden
45	Sarah Loecher	UW-Eau Claire	Finding the Source of a Norovirus Outbreak at UWEC	Crispin Pierce
46	Heriberto Patiño Luna	UW-Whitewater	Rheology of Basaltic Lava Flows from Pacaya with Stress-Strain Steps: A Laboratory Approach	Tushar Mittal
47	Carissa Ashman	UW-Green Bay	The Effects of Biochar Incorporation on Arbuscular Mycorrhizal Fungi Colonization of Alfalfa Plant Roots	Kpoti Gunn
48	Abby Panier	UW-Whitewater	Endosymbiont Genetic Typing of Soft Coral, *Ricordea florida*	Dr. Nicholas Tippery
49	Khang Duong	UW-La Crosse	Breaking Barriers - Gender Law and Female Entrepreneurship	Nabamita Dutta
50	Hailey Repka	UW-La Crosse	The Impact of Traumatic Childhood Experiences on the Likelihood of Future Arrest	Nicholas Bakken
51	Blair Miller	UW-La Crosse	Mysterious Mississippi Mycoloop: Effects of Temperature and Nutrient Availability on Chytrid-Algae-Zooplankton Interactions	Arthur Grupe II
52	Sabrina Wolf	UW-Whitewater	Comparison of Vegetation Indices to Identify Phenological Events in Deciduous Forests	Rocio Duchesne
53	Benjamin Mohr	UW-Stout	Making It	Jonathan Wheeler
54	Diante Johnson	UW-Milwaukee	Cancer Risk Behaviors in Latino Men: Cigarette Smoking and Weight Status and its Relationship to Body Image	Lisa Sanchez-Johnsen