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## UNDERGRADUATE RESEARCH DAY

SEPTEMBER 24, 2014, 11:30 A.M.-1:00 P.M. HAMILTON ROOM

### Undergraduate Research Day Agenda

11:30 a.m.

#### **Introduction**

Catherine Chan

*Director, Undergraduate Research Program*

#### **Opening Remarks**

Richard Telfer

*Chancellor*

#### **Poster Session**

12:55 p.m.

#### **Closing Remarks**

Greg Cook

*Associate Vice Chancellor for Academic Affairs*

**Mujjada Ahmad**

Carolyn Morgan

How Mentorship Relates to Belongingness on  
College Campus  
*Psychology*

**Harrison Amyotte**

Cheng Thao

Version Control History & Software Product Lines in GIT  
*Computer Science*

**Laprece Armour**

Carolyn Morgan

Are African American College Students'  
Awareness of Alternative Histories Related  
to Their Ethnic Identities?  
*Psychology*

**Adam Bautzmann, Sally Castex**

Ozgur Yavuzcetin

Microscopy of Polymeric Samples:  
PC, PEO and P(S-b-MMA)  
*Physics*

**Aaliyah Benford**

Barbara Beaver

The Impact Color Connotations Have on One's  
Perception of Skin Tone  
*Psychology*

**Marcy Beutlich**

Barbara Beaver

Self-Efficacy, Performance Level, Social  
Comparison and Body Dissatisfaction in  
Female Collegiate Athletes  
*Psychology*

**Austin Chriske**

Kirsten Crossgrove

Studying Supplements in *Caenorhabditis elegans*  
Using Aging Assays  
*Biological Sciences*

**Caitlin Conroy**

Dana Prodoehl

Queer Women's Literature: Defining the Canon  
*Languages & Literatures*

**Fernanda Contreras**

Jolly Emrey

The Electoral Success of Women in Congress  
of Women in Congress  
*Political Science*

**Emilee Deck**

Alena Holmes

Incorporating Music into  
a Preschool Curriculum  
*Music*

**Michael Dorn-Reed**

Ozgur Yavuzcetin

How Lithium Niobate Can be Used  
to Measure the Force of Strain on an Object  
*Physics*

**Hannah Edwards**

Rex Hanger

Secondary Production of Gastropod  
*Pleurocera acuta*, Mukwonago  
River, Wisconsin  
*Geography & Geology*

**David Feldman, Christian Lee,  
Scott Rupprecht, Trevor Sigmund**

Jiazhen Zhou

Real-Time Monitoring of Building  
Safety Using Sensor Networks  
*Computer Science*

**Bishop Freeman, Michael Dorn-Reed**

Ozgur Yavuzcetin

Investigating Lithium Niobate as a Strain  
Gauge Sensor  
*Physics*

**Skylar Gabel-Eissens**

Christopher Veldkamp

Vitamin D Probe Development  
*Chemistry*

**Derrek Grunfelder-McCrank**

Eylem Ersal and Matthew Winden

Mines in Wisconsin: an Examination  
of Health vs. Wealth Effects  
*Economics*

**Jenna Hammes**

Jiazhen Zhou

Enhancing QR Code Security  
*Computer Science*

**Kejuane Jennings**

Fe Evangelista

College Readiness: the Differences in  
Expectations Between College Freshman  
& Professors in Mathematical Success  
*Mathematics*

**Matthew Lamb**

Prajukti Bhattacharyya

Host Rock Alteration in the Lynne  
Massive Sulfide Deposit: Implications  
For Economic Sulfide Deposit Formation Processes  
*Geography & Geology*

**Marcos Lares**

Heather Pelzel

Designing a New Mammalian  
Expression Vector That Encodes a  
Human HDAC3-GFP Fusion Protein  
*Biological Sciences*

**Shavaughn Lawson**

Chandra Waring

Be Seen but Not Heard, the Other Side of Tokenism:  
An Undergraduate Woman of Color's Perspective  
*Sociology, Criminology, & Anthropology*

**David Lippner, Casey Mueller**

Christopher Veldkamp

Characterization of CCL19 Binding to  
CCR7 and Discovery of Overlapping  
Binding Residues for PSGL-1  
*Chemistry*

**Deanna Moore**

Donald Jellerson

Film Studies Manual and Research Assistance  
*Languages and Literatures*

**Alexander Orchard**

Robert Benjamin and Matthew Haffner (UW-Madison)

The Rediscovery of the Antlia Supernova Remnant  
*Physics and Astronomy*

**Jenna Otterholt**

Akiko Yoshida

Identifying Causes of the Gender Gap  
in CoBE Enrollment: My Experience  
as a Research Assistant  
*Sociology, Criminology, & Anthropology*

**Brandon Pulera, Deonti Norris,****Michelle Storage**

Catherine Chan

Effects of Aspirin and its Metabolite  
on *Arabidopsis thaliana*  
*Biological Sciences and Chemistry*

**Nick Rudolph**

Joshua Kapfer

Use of Catch and Release Trapping and  
Passive Techniques to Survey Vertebrates  
*Biological Sciences*

**Kendall Saeed**

Jonathan Burkham and Nadine Kriska

Integrating a Biological and a Community-Based  
Control Strategy to Combat the Spread of Purple  
Loosestrife on North Lake  
*Geography & Geology and Biological Sciences*

**Brianna Shells**

Sarah Hessenauer

How Homelessness Affects an Adolescent's  
Pursuit of an Education  
*Social Work*

**Stephanie Stoltzmann**

John Frye

Comprehensive Analysis of Tornado Daily  
Cycles From 1979 to 2013  
*Geography & Geology*

**Katherine Vance**

Kate Ksobiech

Stalking and Cyberstalking:  
Perceptions of College Students  
*Communication*

**Dejuan Washington**

James Levy

African American Male Success  
in Higher Education  
*History*

**Sylvia Washington**

Chandra Waring

The Race to the Top of the Pop Charts:  
Race, Genre, and Musical Artists  
*Sociology, Criminology, & Anthropology*

**Andrew Wells**

Balamurugan Pandiyan

Mathematical Model for Graves' Disease  
*Mathematics*

**Nicole Wiswell**

Heather Niemeier

Fit Families Rock  
*Psychology*

**Jose Zenteno**

Eylem Ersal and Yamin Ahmad

Structural Change and Productivity Growth  
in Wisconsin: an Empirical Analysis  
*Economics*

