

Schedule

TIME		LOCATION	PAGE
9 – 11	<u><i>Digital I.S. Exhibit</i></u>	CoRE in Andrews Library	4
10:45	<u><i>Digital Prize Winners Announced</i></u>	CoRE Cube	
9 – 10	<u><i>I.S. Trailers</i></u>	CoRE Cube	4, 5
9 – 10	<u><i>Oral Presentation Session I</i></u>		
	Creative Writing	APEX	5
	Science and Behavior	Kauke 038	5
	Education and Schools	Kauke 305	5, 6
	Urban Issues	Lean Lecture Hall	6
	Music and Its Forms	Scheide 106	6
	Language Development	Severance 123	6
	Identities Around the World	Taylor 110	7
	Literature and Identity	Taylor 111	7
	French Society	Wishart 101	7
9 – 11	<u><i>Poster Session</i></u>		
	Communication Science and Disorders	Freedlander Lobby	8
	Communication Studies	Freedlander Lobby	8
	History	Kauke 238	9
	Anthropology	Kauke Second Floor Lobby	9
	Art History	Kauke Second Floor Lobby	9
	Political Science	Kauke Second Floor Lobby	9, 10
	Physics	Taylor 101, Taylor First Floor	10, 11
	Computer Science	Taylor Third Floor	11, 12
	Mathematics	Taylor Third Floor	12, 13
	Neuroscience	Timken Science Library	13, 14
	Business Economics	Wishart Lobby	14, 15
	Psychology	Timken Science Library	14
	Economics	Wishart Lobby	15
	French	Wishart Lobby	15

Schedule

10 – 11	<i>Oral Presentation Session II</i>		
	Off-Campus Study in the Americas	APEX	16
	Writing about Struggle	Kauke 038	16
	Culture and Freedom	Kauke 305	16
	Politics Around the World	Lean Lecture Hall	17
	Music Therapy	Scheide 106	17
	Pollution and the Environment	Severance 123	17
	Young Adults	Taylor 110	18
	Behavior of Mice	Taylor 111	18
	Human Rights and Violence	Wishart 101	18
10 – 11	<i><u>Three Minute Thesis</u></i>	CoRE Cube	
	Chemistry and BCMB		19
	Religious Studies		19
	History		19
	Geology		19
11 – 12:15	<i><u>Feature Presentations: Student/Faculty Collaborations</u></i>	CoRE Cube and Lean Lecture Hall	19, 20
1 – 2	<i><u>Musical Performances</u></i>	Scheide Music Center Gault Recital Hall	21
1 – 3	<i><u>Studio Art Group Exhibit</u></i>	The College of Wooster Art Museum	21, 22
1 – 2	<i><u>Oral Presentation Session III</u></i>		
	Gender Around the World	APEX	22
	Local Businesses & the Amish	CoRE Cube	23
	American Cultural Identities	Kauke 038	23
	Wilderness	Kauke 305	23
	Is This Justice?	Lean Lecture Hall	23, 24
	Modeling Development	Taylor 104	24
	War	Taylor 110	24

Schedule

1 – 2	<u>Oral Presentation Session III</u>		
	Social Services & Institutions	Taylor 111	24, 25
	The Spectrum of Technology	Wishart 101	25
1 – 2	<u>Poster Session</u>		
	Chemistry and BCMB	Severance	25, 26, 27
1 – 3	<u>Poster Session</u>		
	Communication	Freedlander Lobby	28, 29
	Africana Studies and International Relations	Kauke 238	29
	Anthropology and Political Science	Kauke Second Floor Lobby	30
	Biology, Geology, and Psychology	Timken Science Library	31, 32, 33
	East Asian Studies, Economics, English, History, and Spanish	Wishart Lobby	33
2 – 3	<u>Poster Session</u>		
	Chemistry and BCMB	Severance	34, 35, 36
2 – 3:30	<u>Theatrical Performances</u>	Shoolroy Theatre	36
2 – 3	<u>Oral Presentation Session IV</u>		
	Immigrants & International Students	APEX	36, 37
	Animal Behavior	CoRE Cube	37
	Feminist Explorations	Kauke 038	37
	Women & Political Action	Kauke 305	37
	Queer Lives	Lean Lecture Hall	38
	Archaeology Around the World	Taylor 110	38
	Social Justice & Identities	Taylor 111	38
2 – 3	<u>Oral Presentation Session IV</u>		
	Framing Modern Society	Wishart 101	39
3 – 4	<u>Melissa Schultz</u> <u>I.S. Research Prize in Sustainability</u> <u>and the Environment</u>	Lean Lecture Hall	39
	Index of Student Presenters		40

Digital I.S. Exhibit

9:00 – 11:00

CoRE in Andrews Library

Elisia Campos – Sociology Major

Cruising The Borderlands: Queer Latinx Creating Space in Lowrider Culture

Gregory Clark - Political Science Major

Rationality, Intuitions, and Government Restrictions: Support for Human Rights Abuses across the Moral Foundations Spectrum

Tess Henthorne – English Major

From Archives to Code: Gladys Fornell's Montel

Nathan Johnson – Physics Major

Charge Carrier Characteristics of Doped Semiconductor Heterostructures

Sue Reon Kim – Computer Science Major

Bringing Life to a Historical Drawing

Lilie Pudnos - History and Classical Studies Double Major

From the Muses to the Museum: Presenting 'The Iliad' Through Public History to Facilitate Historical Perspective

William Rial - Classical Studies and Computer Science Double Major

Veni, Vidi, Didici: A Game for Learning Latin

John Trainor – History Major

Lessons from Andøya

I.S. Trailers

9:00 – 10:00

CoRE Cube

Abigail Helvering - Political Science and History Double Major

Are Democracies Truly Bad at Intelligence? An Analysis of Counterintelligence vs. Intelligence and State Structure

Gregory Clark – Political Science Major

Rationality, Intuitions, and Government Restrictions: Support for Human Rights Abuses across the Moral Foundations Spectrum

Greta Hayer – History Major

No Laughing Matter: Medicine and Pregnancy in Giambattista Basile's Tale of Tales

John Trainor – History Major

Lessons from Andøya

I.S. Trailers

9:00 – 10:00

CoRE Cube

Nathan Johnson – Physics Major

Charge Carrier Characteristics of Doped Semiconductor Heterostructures

Peter Jachim – History Major

Nation, Modernity and the Economy of Violence: Three Interpretations of Chinese Martial Masculinities (1880-1900)

Oral Presentation Session I

9:00 – 10:00

Creative Writing

APEX

Moderator: Deb Shostak

9:00 a.m.

Danielle Gagnon – English Major

So Many Around The Table: The Multiplicity of Narratives within the Myth of The Poor

9:20 a.m.

Michael Hatchett – English Major

I Don't Trust Me and Neither Should You: A Collection of Comedic Essays

9:40 a.m.

Kieran Mundy – English Major

Homonyms: A Collection of Short Stories

Science and Behavior

Kauke 038

Moderator: Erzsébet Regan

9:00 a.m.

Shikha Dharia – Chemistry and Human Health Major

Got Milk? An In-Depth Analysis Of Community Water Fluoridation and A Chemical Investigation of Fluoridated Milk as an Alternative To Fluoridated Water

9:20 a.m.

Eva Kotsopoulos – Biology Major

The Effects of Orgasm and Ovarian Cycle Phase on Cervicovaginal Fluid pH in Human Females

9:40 a.m.

Haylie Honn – Neuroscience Major

The Effects of Voluntary Exercise and Omega-3 Supplementation on Attention-Deficit Hyperactivity Disorder in Spontaneously Hypertensive Rats

Education and Schools

Kauke 305

Moderator: Josephine Wright

9:00 a.m.

Anjela Galimberti – Psychology Major

Learned Resilience: A Cognitive Attribution Approach to the Development of Resilience

9:15 a.m.

Maki Love - Anthropology and Africana Studies Double Major

The Glass Ceiling in Schools: An Ethnographic Approach to Understanding the Racial and Economic Inequalities in Selected Chicago City and Suburban Schools

Oral Presentation Session I 9:00 – 10:00

Education and Schools Kauke 305 Moderator: Josephine Wright

9:30 a.m. **Dana Stamos** – Sociology Major
School is Not a Business: Chicago Educators' Perceptions of the Neoliberal Turn in Education

9:45 a.m. **Abigail Frank** – Communication and Science Disorders Major
Learning Beyond the Screen: Assessing the Impact of Reflective Artificial Intelligence Technology on the Development of Emergent Literacy Skills

Urban Issues Lean Lecture Hall Moderator: Ahmet Atay

9:00 a.m. **Kelly Brethauer** - Business Economics and Chinese Double Major
An Analysis on the Impacts of Coal Consumption and the Wisdom in The Traditional Chinese Thought

9:20 a.m. **David Hirsh** – Urban Studies Major
Inner-Ring Suburban Stability Through Regional Collaboration: A Case Study of the Cleveland and Chicago Metropolitan Areas

9:40 a.m. **Andrew Martinek** – Communication Studies Major
Infrastructure? I Don't Even Know Her: An Investigation of the Contributing Factors to Bicycle Infrastructure within Cities

Music and Its Forms Scheide 106 Moderator: Jack Gallagher

9:00 a.m. **Emily Baird** – Theatre and Dance Major
Lemme Listen to This Real Quick: An Investigation of Choreographing from Musical Structure

9:20 a.m. **Shelby Bretschger** – Sociology and Economics Double Major
Gift Exchange and Reciprocation in the Context of Music Consumption

9:40 a.m. **James May** - English and Music Composition Double Major
Joyce's Musical Doublespeak

Language Development Severance 123 Moderator: Grit Herzmann

9:00 a.m. **Quintyn Fazio** – Neuroscience Major
The Effects of Bilingualism on Attention and Task-Switching Abilities

9:20 a.m. **Willow Schram** – Neuroscience Major
An Investigation of the Bilingual Advantage for Response Inhibition Using Event-Related Brain Potentials

9:40 a.m. **Lena Smith** – Psychology and Communication Sciences & Disorders Double Major
The Investigation of Concurrent Validity of the Baby SPEAK Measure and Parental Knowledge of Early Language Development

Oral Presentation Session I 9:00 – 10:00

Identities Around the World **Taylor 110** **Moderator: Ana Maria Collazos**

- 9:00 a.m. **Marcus Carano** – History Major
The Rubber City's Other Export: Harvey Samuel Firestone's Urban Investment and Employee Management Policy in Akron, Ohio and Liberia
- 9:20 a.m. **Greta Hayer** – History Major
No Laughing Matter: Medicine and Pregnancy in Giambattista Basile's Tale of Tales.
- 9:40 a.m. **Elliott Valentine** – History and Sociology Double Major
Examining Conceptions of the Nation at World's Fairs and Expositions, 1958-2015

Literature and Identity **Taylor 111** **Moderator: Joseph Aguilar**

- 9:00 a.m. **Ethan Nichol** – English Major
It's Not About The X's and O's But The Billy's and Joe's: An Examination of the Intangible Characteristics Valued Most in Successful Football Teams
- 9:20 a.m. **Charlotte Tierney** – Spanish Major
From Monster to Role Model: How the Myth of La Llorona Reflects Changes in Society, Identity, and Culture As Seen In Three Children's Books
- 9:40 a.m. **Leah Zavaleta** – Anthropology and English Double Major
Euskaldunak or Amerikanuak: An Introduction to the Folklore of the Boise Basques and its Contribution to the Basque-American Identity

French Society **Wishart 101** **Moderator: Marion Duval**

- 9:00 a.m. **Olivia Bolek** – French and Francophone Studies Major
Betrayal And Shame: The Role of the Vichy Government in the Vel' d'Hiv' Roundup and Its Memory Through the Eyes of French Society
- 9:20 a.m. **Anna Claspy** – History Major
Battle for the Birthing Chamber: Gender, Tools, and Writings in Childbirth in Early Modern France
- 9:40 a.m. **Rachel Lorch** – French and Francophone Studies Major
France and Plurilingualism: Two Opposites that Attract? A Study of the Teaching and Learning of Foreign Languages in France.

Freedlander Theatre Lobby

Zachary Moore – Communication Science and Disorders Major

Factors that Influence Device Selection by Parents of Pediatric Cochlear Implant Candidates

Savannah Ashley Moore – Communication Sciences and Disorders Major

How the Presence of a Therapy Dog Affects the Language Samples of Preschool Children with and without Language Impairments

Lanie Berk – Communication Sciences and Disorders Major

Why Am I Drinking This Pudding Water? An Investigation of Patients' Understanding and Opinions of Dysphagia and Dysphagia Treatment

Arjun Cooper – Communication Sciences and Disorders Major

This Constant Ringing Is Driving Me Crazy: How Audiologists Serve As Both Health Care Providers And Counselors When Treating Adult Patients With Tinnitus

Flinn Esselstyn – Communication Sciences and Disorders Major

We All Fall Down, How Do We Get Up? (Re)Integration for Patients 18 to 25 Years Old With Traumatic Brain Injury

Logan Honea – Communication Sciences and Disorders Major

To All Who Come to This Happy Place: An Exploration of the Hearing Assistive Technology and Accommodations at U.S. Theme Parks

Marissa Kobylas – Communication Sciences and Disorders Major

Is This Thing On? An Investigation of School-Based Speech-Language Pathologists' Knowledge of Hearing Technology

Kelsey Large – Communication Sciences and Disorders Major

Horses are Worth More Than Riches: Parental Perceptions of the Relationship between Equine Assisted Activities/Therapy and Listening and Spoken Language

Moira McShane – Communication Sciences and Disorders Major

Inclusive Transition: A Study Evaluating the Perceived Level of Preparedness and Procedures Involved in Children's Transition from an OPTION School to a Mainstream Classroom

Sam Corman Penzel – Communication Studies Major

'I Don't Care What I'm Buying, These Dogs Are Hilarious!': An Examination of the Effects of Humor and Cognitive Personality Traits on Critical Thinking and Information Processing Towards Televised Advertisements.

Kayla Goodrich – Communication Studies Major

Parental and SLP Perspectives of High-Tech AAC Devices and Their Use with High School Students with ASD

Kauke 238

Caroline Breul – History Major

It's a Bird! It's a Plane! No, it's Just My I.S.: An Historical Exploration of Superheroes and American Identity

Sheamus Dalton – History Major

The Schools of Choice: An Evolutionary History of Charter Schools and the Charter School Movement

Corwin Huegel – History Major

The CIA and the Culture of Espionage: How the CIA's Effort to Prevent Domestic Espionage Influenced American Culture

Sarah McCrea – History Major

In Black and White: The Sociopolitical Rhetoric Surrounding Anti-Miscegenation Attitudes in Ohio, 1861-1887

Olivia Murphy – History Major

The Ramifications of an Intellectual Precursor: The Potential Revolutionary Circulation and Literal Legacy of the Radical Achievements of the Mexican Revolution

Isabel Perman – History Major

War and Environment in the Mother of States: The Dynamic Relationship between the Natural Environment of Virginia and the American Civil War

Kauke Second Floor Lobby

Abigail Helvering – Political Science and History Double Major

Are Democracies Truly Bad at Intelligence? An Analysis of Counterintelligence vs. Intelligence and State Structure

Gracie Kral – Anthropology Major

These Are Our Mountains: Analysis of Highland Games in the Southern United States as a Performance of Scottish American Culture

Yibing Li – Anthropology Major

The Study of The Color Red In Chinese Immigrant Culture

Krystal Reynolds – Anthropology Major

A Bone to Pick: Biological Sex Determination and Gender Interpretation of Maya Burials

Rebecca Osborne – Art History Major

Strange Reflections and Obscured Bodies: The Presence of the Surrealist Unconscious in Paul Delvaux's the Break of Day

Kauke Second Floor Lobby

Brigid O'Hara – Political Science Major

The Effects of Presidential Personality on the Ability to Accept Defeat During Military Engagements: An Analysis of Presidential Character and Decision-Making

Benjamin Taylor - Political Science and English Double Major

The Somewhere We Wish Were Nowhere: Dystopian Realities and (un)Democratic Imaginaries

Taylor 101

Michael Bush – Physics Major

A Comparative Analysis of Photon and Electron Wave Functions in Spherically Symmetric Potentials

Andrew King-Smith – Physics Major

Manipulation of Polarized Transverse Spatial Modes to Induce Non-Linear Structures using the Geometric Phase

Maggie Lankford – Physics Major

The Production and Manipulation of Hybrid Spin-Orbit Modes of Light Under Hong-Ou-Mandel Interference Conditions

Yashasvi Lohia – Physics Major

Modal Analysis of Light Propagating Through Structurally Disturbed Optical Fibers

Noah Megregian – Physics Major

Stochastic Resonance in a Mechanical Bistable System

Calvin Milligan – Physics Major

Strange Nonchaotic Pendulum

Paroma Palchoudhuri – Physics Major

An Experimental and Mathematical Study of Avalanche Behavior in a Critical Conical Bead Pile

Graham Schattgen – Physics Major

Air Powered One-Way Arrays

Taylor First Floor

Mitch Gavin – Physics Major

Building a Setup to Investigate Reaction-Diffusion-Advection Systems

Laura Grace – Physics Major

Period Doubling in Bubbling from a Submerged Nozzle

Taylor First Floor

Colm Hall – Physics Major

Nonlinear Dynamics Analysis of Stellar Data Sets

Nathan Johnson – Physics Major

Charge Carrier Characteristics of Doped Semiconductor Heterostructures

Matthew King-Smith – Physics Major

Analog Quantum Simulator

Spencer L. Kirn – Physics Major

Excitation Waves in Planar, Inhomogeneously Illuminated Systems

Diego Miramontes Delgado – Physics Major

Creating Quasi-Two Dimensional, Curved Molds with 3D-Printing Technology

Nathan Stone – Physics Major

Critical Systems: An Exploration of Cohesion and the Moments of Distribution

Catherine Tieman – Physics Major

A Simulation of Phases in the Pyrochlore Lattice

Taylor Third Floor

Pratistha Bhandari – Computer Science Major

3D Modeling and Scene Design for Games Using Unreal Engine 4

Michael Bonadio – Computer Science Major

Dynamically Adjusting Video Game Difficulty Using Machine Learning Techniques

Tyler Catlin – Computer Science Major

Predicting Stock Market Directionality Using Twitter and Neural Networks

Catherine Eckbold – Computer Science Major

Are You Sure You're in the Right Classroom? : Researching the Lack of Women in Computer Science, Workshop and Website Creation Designed to Encourage Women in Computer Science Independent Study Thesis

Torger Miller – Computer Science Major

On the Design of Decentralized Anonymity Networks

Jacob Priest – Computer Science Major

Robotic Navigation Using Image Analysis

Taylor Third Floor

Arpan Roy – Computer Science Major

Look Alive! Modeling and Animating Facial Expressions of Emotion

Kinsey Small – Computer Science Major

Judging a Book By Its Cover: Web & Mobile Interface Design

Sarah Williams – Computer Science Major

From Fantasy to Virtual Reality: An Exploration of Modeling, Rigging and Animating Characters for Video Games

Dagmawi Zegeye – Computer Science Major

An Exposition of Support Vector Machine Classification with a Purpose-built GUI for Exploring Some Commonly used Kernels

Tom Ames – Mathematics Major

Infinity & Beyond: Logicism and the Continuum Hypothesis

Kiera Dobbs – Mathematics Major

Optimal Placement of Family Planning Centers

Katelyn French – Mathematics Major

Bees in the Trap: A Mathematical Approach to Modeling the Mutualism between Flowering Plants and Honey Bees

Jeffrey Giegold – Mathematics Major

Shooters vs Goalies: Analyzing Shootouts in the NHL with Game Theory

Rob Handloser – Mathematics Major

Hall of Fame Classification Using Logistic Regression Analysis

Lucas Hunt – Mathematics Major

The Extra Point Rule Change and its Effects on Decision-Making for Coaches in the NFL

Nakesha Newsome – Mathematics Major

Dirichlet Tessellations

Jacob Solomon – Mathematics Major

To Blend or Not to Blend: Understanding the Impact of Technology in Mathematics Education

Sayantana Mitra – Mathematics and Economics Double Major

Holding Hands Against the Unknown: Using Markov Chains to Model Informal Insurance Arrangements In Developing Societies

Taylor Third Floor

Adam Coppock – Mathematics and Computer Science Double Major
Applying Modern Portfolio Theory to Optimal Portfolio Construction

Varunavi Newar – Mathematics and Business Economics Double Major
Legalization Of Prostitution and Its Impact On The Market For Human Trafficking

Michael Sokolich – Mathematics and Computer Science Double Major
An Investigation of the Burning Number of Graphs and Trees.

Melissa Griffith – Mathematics and Philosophy Double Major
The Ineffability of Nothingness

Timken Science Library East Mezzanine

Emma Nathanson – Psychology Major
Families That Eat Together: An Examination of Factors Influencing Parents' Family Meal Behaviors

Grace Sparks – Psychology Major
The Influence of Self-Concept Clarity and Empathy on Social Justice Concern

Kristyn Swanson – Psychology Major
The Effect of Attachment Style on Auditory Looming Perception

Heather Whitlock-Williams – Psychology Major
Parental Role Construction, Stress, and Support in Children's Standardized Testing

Timken Science Library Reading Room

Kaitlin Banko – Neuroscience Major
Testosterone and Song Recovery in Response to Short-term Fasting in the Male Zebra Finch

Alex Desotelle – Neuroscience Major
The Effects of Chronic Mild Stress and Duloxetine on Learning and Memory

Andrew Herst – Neuroscience Major
*Determining the Function of RNA Binding Protein Nab2 on Neurogenesis During the Development of *Drosophila Melanogaster**

Taylor Raybuck – Neuroscience Major
Blue Light at Night and Corticosterone: Disrupting Rodent Learning and Memory

Timken Science Library Reading Room

Peter Szeltner – Neuroscience Major

The Effects of Sleep Deprivation on Learning and Memory in a Rat Model for Attention Deficit/Hyperactivity Disorder

Jamie Wren-Jarvis – Neuroscience Major

Effects of Allopregnanolone on Forced Swim Behavior Across Different Phases of the Female Rodent Estrous Cycle

Timken Science Library West Mezzanine

Daniel Boyce – Psychology Major

Faulty Product Predictions: Exploring Affective Misforecasting in Relation to Future versus Current Advertising

Sarah Cali – Psychology Major

The Influence of Peers Regarding Gender Stereotyped Toys and Behavior in Nursery School Children

Jennifer Filak – Psychology Major

I've Earned It: An Attentional Shift to Rewards Following Self-Regulation

Nicholas Flannery – Psychology Major

Mental Toughness in the Workplace: An Examination of Athletes and Performers

Samantha Gaeta – Psychology Major

Improving Oral Health Behaviors: Effects of Personality, Message Framing, and Self-Regulating Strategies

Wishart Lobby

Christopher Fafalios – Business Economics Major

The Motion Picture Industry: An Analysis of the Factors that Impact Box Office Performance

Paul Kelbly – Business Economics Major

Less Brown and More Green: A Test of the Porter Hypothesis on Hog Productivity in North Carolina from 1993 to 2014

Ke Song – Business Economics Major

Our Children are Our Future: An Evaluation of the Role of Children's Health Insurance Program in Improving Children's Health and Educational Outcomes

Wishart Lobby

Yanli Xiong – Business Economics Major

Board Structure Effect on Firm Performance: An Investigation of Potential Differences Between Chinese and U.S. Firms

Kathleen Glowacki – Economics Major

Can the Herb Really Heal the Nation: The Effect of Medical Marijuana Legalization on the Opioid Epidemic

Khairunnisa Usman – Economics Major

To Invest or Not To Invest: Effects of Poor Corporate Governance on Paper-Bill Spread during Asian Financial Crisis

Caroline Kamen – French Major

Changes to the system of agriculture after World War II and the influence of the ecologist Pierre Rabhi

Oral Presentation Session II 10:00 – 11:00

Off-Campus Study in the Americas

APEX

Moderator: Tom Tierney

- 10:00 a.m. **Cullen Dolson** – Sociology Major
Gracias al La Casa Mono, Progreso: A Critical Analysis of Sustainable Tourism in Nicaragua
- 10:20 a.m. Emily Donato – Anthropology and Theatre & Dance Double Major
The Word Is Hula': An Exploration of the Use of Hula in Christian Churches on O'ahu, Hawai'i
- 10:40 a.m. **Amy Melena** – Sociology Major
One Fish, Two Fish, Dead Fish, Tourist: Determining How a Resident's Demographic Factors Influence Their Perception of the Community of La Parguera, Puerto Rico

Writing about Struggle

Kauke 038

Moderator: Julie Gustafson

- 10:00 a.m. **Lauren Breck** – English Major
Anonymity, Environmental Destruction, and Bearing Witness to a Trauma: A Study of Themes Within Emily Dickinson's Poetry in the Context of the American Civil War
- 10:20 a.m. **Tori Horvath** – English Major
Treatment in the Waiting Room: A Poetry Collection Exploring Perceptions and Experiences of Chronic Illness
- 10:40 a.m. **Ananya Shrestha** – English and Psychology Double Major
Climbing Uphill

Culture and Freedom

Kauke 305

Moderator: Chan Sok Park

- 10:00 a.m. **Alexandra Gustafson** – Philosophy Major
Thoughts on Poetry
- 10:20 a.m. **Roxie Freeman** – Women's Gender & Sexuality Studies and Psychology Double Major
The Happiness Regime: A Feminist Critique of Positive Psychology
- 10:40 a.m. **Madeleine O'Neill** – Political Science Major
Microaggressions, Trigger Warnings, and the Fight to Redefine Free Speech: An Analysis of the Judiciary's Response to Campus Speech Codes Through Liberal and Communitarian Perspectives

Oral Presentation Session II 10:00 – 11:00

Politics Around the World

Lean Lecture Hall

Moderator: Jeff Lantis

- 10:00 a.m. **Feng Ding** – International Relations Major
Looking Westward? : An Independent Study on China's Grand Strategy Shift
- 10:20 a.m. **Sally Kendrick** – History Major
Victims of Downing Street: Popular Pressure and the Press in the Stoddart and Conolly Affair, 1838-1845
- 10:40 a.m. **Elizabeth Kittner** – Political Science Major
Responding to Genocide: A Poliheuristic Analysis of U.S. Foreign Policy Decision-Making

Music Therapy

Scheide 106

Moderator: Don Goldberg

- 10:00 a.m. **Maggie Connors** – Music Therapy Major
Music Therapy and Domestic Violence: Providing Support to Adolescents and Children
- 10:20 a.m. **Katie Hall** – Music Therapy Major
Music Therapy and Substance Abuse: Songwriting, Coping Skills, and Group Cohesion
- 10:40 a.m. **Bridget Slone** – Communication and Science Disorders Major
Can Music Therapy be the Next Breakthrough in Therapy for Pediatric Cochlear Implant Recipients? An Analysis of the Integration of Music Therapy into Cochlear Implant Teams.

Pollution and the Environment

Severance 123

Moderator: Sarah Sobeck

- 10:00 a.m. **Kelli Baxstrom** – Geology and Religious Studies Double Major
The Factors That Influence Religious Preferences in Young Adults: Neuroscience, Psychology Sociology and the Environment
- 10:15 a.m. **Anna Damato** – Neuroscience Major
Investigating the Combined Effects of Relevant Environmental Contaminants Lead, Cadmium, and Fluoxetine, On the Behavior And Gene Expression Of C. Elegans.
- 10:30 a.m. **Rachael Davis** – Chemistry and BCMB Double Major
Analysis of Bioaccumulation and Sublethal Toxic Effects in Eisenia fetida, Lactuca sativa, and Arabidopsis thaliana Following Antidepressant Exposure
- 10:45 a.m. **Ellie Hudson-Heck** – Chemistry Major
Development and Testing of the Sentinel Passive Samplers Designed for Integrative and Rapid Adsorption of Environmental Water Contaminants

Three Minute Thesis

10:00 – 11:00

CoRE Cube

Andrea DeMarsh – Chemistry and BCMB Double Major

Stimulating Encapsulated Fragrance Release by Malodor Adsorption

Frances McHale – Religious Studies Major

Is Parochial School a Good Fit for You? A Case Study Examining Motives and Reasons Behind Parents Picking Private School for Their Children

Karli Pulice – History Major

Contraceptive Controversy in Nineteenth Century New York City: An Examination of Ann Lohman's Contentious Impact on Women's Reproductive Health

Mary Reinthal – Geology Major

Volatile Analysis of Glaciovolcanic Glass Rinds Collected from Pillow Ridge in the Mount Edziza Volcanic Complex, NCVP, British Columbia, Canada

Andi Shackleton – Religious Studies Major

Making It Personal: How the Islamic State Targets the Alienated

Feature Presentations

11:00 – 12:15

Student/Faculty Collaborations

CoRE Cube

Moderator: Heather Fitz Gibbon

11:00 a.m.

Savannah Glidewell – Political Science Major

Advisor: Kent Kille

Leadership Style Matters, but Does Gender?: A Study of Women Executive Heads of International Organizations

11:15 a.m.

Latrice Burks – Political Science Major

Advisor: Michele Leiby

When do Black Lives Matter? An Experimental Analysis of White American Support for Black Social Movements

11:15 a.m.

Alexandra Haines – Political Science Major

Advisor: Michele Leiby

Hello, My Name is Inigo Montoya, You Killed my Father, Prepare to Die”: Messaging Effects on Support for Violent Non-State Actors

11:15 a.m.

Rowan LaFramboise – Political Science Major

Advisor: Michele Leiby

Just Rape: Framing Effects on Prisoners' Human Rights Advocacy

Feature Presentations

11:00 – 12:15

Lean Lecture Hall

Moderator: Carolyn Newton

- 11:00 a.m. **Haley Austin** – Archaeology Major **Advisor: Olivia Navarro-Farr**
The Problematical, the Cave, and the Maya: a theoretical discussion and ethnoarchaeological investigation
- 11:00 a.m. **Krystal Reynolds** – Archaeology and Art History Double Major **Advisors: Olivia Navarro-Farr and Diana Presciutti**
A Bone to Pick: Biological Sex Determination and Gender Interpretation of Maya Burials
- 11:00 a.m. **Sarah Van Oss** - Archaeology and Art History Double Major **Advisors: Olivia Navarro-Farr and Diana Presciutti**
The Queen's Serpent: An Examination of the Serpent Vessel from Burial 61 from El Perú-Waka'
- 11:30 a.m. **Kelli Baxstrom** – Geology and Religious Studies Double Major –**Advisor: Shelley Judge**
Ice Springs Volcanic Field: New Insights and History for a Series of Complex Eruptions
- 11:30 a.m. **Krysden Schantz** – Geology Major **Advisor: Meagen Pollock**
The Use of Multiple Dating Methods to Determine the Age of Basalt in the Ice Springs Volcanic Field, Millard County, Utah
- 11:30 a.m. **Michael Williams** – Geology Major **Advisor: Shelley Judge**
Emplacement Processes and Monogenetic Classification of Ice Springs Volcanic Field, Central Utah

Musical Performances

1:00 – 2:00

Gault Recital Hall

Moderator: Peter Mowrey

- 1:00 p.m. **Joseph Caffrey** – Bachelor of Music in Percussion Performance
Morning Dove Sonnet - Christopher Deane
- 1:15 p.m. **James May** – Music Composition and English Double Major
Sea Gods
- 1:30 p.m. **Mitchell Ryan** – Percussion Performance and Music Composition
A Selection of Modern Percussion Works from my Senior Recital
- 1:45 p.m. **Lauren Vanden Broeck** – Music Composition and English Double Major
Music of Émigrés

Studio Art Group Exhibit

1:00 – 3:00

The College of Wooster Art Museum

- 1:00 – 3:00 **Matilda Alexander** – Studio Art Major
Amassing Substance
- 1:00 – 3:00 **Hannah Ayers** – Studio Art Major
Near and Far: A Series of Paintings Exploring the Concept of Home
- 1:00 – 3:00 **Chelsea Carlson** – Studio Art Major
Serendipity in Liminality: A Photographic Study of the Liminal Space in Music Performance
- 1:00 – 3:00 **Devin Delaney** – Studio Art Major
Making & Mindfulness
- 1:00 – 3:00 **Dallas Kathryn Dickey** – Studio Art Major
Home is where...?: A Visual and Textual Exploration of Home, Nostalgia, and Narrative Persona
- 1:00 – 3:00 **Jenna Hunkins** – Studio Art Major
Dynamic Beauty: The Journey to Perfection
- 1:00 – 3:00 **Anna Kruse** – Studio Art Major
Stress Induced Deterioration of the Human Form
- 1:00 – 3:00 **Joyce Lee** – Studio Art Major
How to Fly...With a Cape
- 1:00 – 3:00 **Will Owen** – Studio Art Major
Street and Elite

Studio Art Group Exhibit

1:00 – 3:00

The College of Wooster Art Museum

- 1:00 – 3:00 **Collin Perez** – Studio Art Major
Guatemala: A Buried History
- 1:00 – 3:00 **Adrian Rowan** – Studio Art Major
Untitled
- 1:00 – 3:00 **Natalie Shreeve** – Studio Art Major
What You'll Miss Just Driving By: A Visual History of My Family's Relationship with Industry
- 1:00 – 3:00 **Kaitlin Starr** – Studio Art and Geology Double Major
Exploring the Unknown: A Ceramic Journey Through the Sea of Imagination
- 1:00 – 3:00 **Katherine Stephens** – Studio Art Major
History in the Hand Through Functional Ceramics: Looking to the Past, Creating in the Present, and Sharing with the Picture
- 1:00 – 3:00 **Isabel Taccheri** – Studio Art Major
Exposing Mental Illness in a New Light
- 1:00 – 3:00 **Hannah Webb** – Studio Art Major
The Stunting Fear of Failure: An Exploration of Self and One's Own Capability Through Dolls, Miniature, Animation & Play
- 1:00 – 3:00 **Petr Wiese** – Studio Art Major
Gender Expression Through Photography

Oral Presentation Session III

1:00 – 2:00

Gender Around the World

APEX

Moderator: Tatiana Filmonova

- 1:00 p.m. **Tara Abhasakun** – History Major
Reforming Women's Place Under Colonial India: Education, Sati, and Missionaries
- 1:20 p.m. **Katarina Greenslade** – Russian Studies Major
The Lady in Red: Fashion and Femininity in Soviet and Post-Soviet Russia 1922-2000
- 1:40 p.m. **Peter Jachim** – History Major
Nation, Modernity and the Economy of Violence: Three Interpretations of Chinese Martial Masculinities (1880 - 1900)

Oral Presentation Session III 1:00 – 2:00

Local Businesses & the Amish

CoRE Cube

Moderator: David McConnell

- 1:00 p.m. **Kathryn Foster** – Anthropology Major
You Can't Change What You Were: Liminality and Role Exit Among Former Amish
- 1:20 p.m. **Natalie Kahn** – Anthropology Major
The Civic Effects of Social Capital in Alternative Food Networks: A Case Study of the Wooster Local Food Cooperative Inc. in Ohio
- 1:40 p.m. **Leah Penner** – Anthropology Major
Meeting at the Center: The Role of Amish Birthing Centers in Mixing Modern Medicine and Religion

American Cultural Identities

Kauke 038

Moderator: Pam Frese

- 1:00 p.m. **Kristen Estabrook** – History and Religious Studies Double Major
The Scholar, the Teacher, the Saint: The Life, Work, and Nonviolent Philosophy of Reverend James M. Lawson, Jr.
- 1:20 p.m. **Nicolaus Hajek** – History Major
Dungeons, Dunces, and Dragons: The Collapse of the Post-War American Family in the 1980s Satanism Scare
- 1:40 p.m. **Michelle Glazer** – Anthropology Major
The Saints of the Gridiron and Pro Football Pilgrimage: An Analysis of the Role of the Pro Football Hall of Fame in American Culture

Wilderness

Kauke 305

Moderator: Elizabeth Schiltz

- 1:00 p.m. **Melissa Griffith** – Philosophy and Mathematics Double Major
The Ineffability of Nothingness
- 1:20 p.m. **Gregory Butler** – English Major
Voices in the Wilderness: Methods and Messages Across 200 Years of Environmental Writers
- 1:40 p.m. **Audrey Steiner-Malumphy** – History Major
A Colonized Wilderness: Historicizing Alaska's Imagined Identity

Is This Justice?

Lean Lecture Hall

Moderator: Mark Weaver

- 1:00 p.m. **Alexander Downs** – Political Science and Philosophy Double Major
Placing the International Criminal Court on Trial: A Jus Cogens Theory of Procedural Due Process Peremptory Norms at the International Criminal Court

Oral Presentation Session III 1:00 – 2:00

Social Services and Institutions

Taylor 111

Moderator: Anne Nurse

1:40 p.m. **Marisa Quiery** – Sociology Major
The Pigeon Lady and Public Policy: The Public Conceptions and Media Depictions of Homelessness and the Ability to Design and Deliver Social Services

The Spectrum of Technology

Wishart 101

Moderator: Denise Bostdorff

1:00 p.m. **Kasey Fiedler** – Communication Studies Major
Control, Alt, Delete Cyberbullying: A Quantitative Analysis of Bystander Behavior in Cyberbullying Situations

1:20 p.m. **Quang Nguyen** – Communication Studies Major
Apple's Organizational Identity: A Cluster Analysis of How iPhone Commercials from 2007 to 2013 Depicted Apple's Organizational Identity

1:40 p.m. **Laith Sersain** – Digital Literacy Studies Major
A Macrocasm of Pixels: A Typology of Video Game Narrative

Poster Session 1:00 – 2:00

Severance First Floor

Preetom Borah – Chemistry and BCMB Double Major
Solvent Effects on the Quantum Yields and UV-Induced Photodegradation of PABA and Padimate-O

Amanda Carmichael – Chemistry and BCMB Double Major
Cochineal: Connecting Chemistry and Religious Studies through the World of Art

Catherine Christian – Chemistry and BCMB Double Major
License and Registration Please: The Development of an In-Field THC Detection Test Using a Hybrid-Bio-Inorganic Stationary Phase

Andrea DeMarsh – Chemistry and BCMB Double Major
Stimulating Encapsulated Fragrance Release by Malodor Absorption

Erin Drake – Chemistry and BCMB Double Major
Impact of Medium, Ambient environment, and surface on the UV-induced Degradation of Carmine Lake

Nathan Gimble – Chemistry and BCMB Double Major
The Elucidation of a Mechanism for Malonic Acid Photooxidation in Aqueous Solution

Severance First Floor

Joshua Houtz – Chemistry and BCMB Double Major

Examination of Introductory Chemistry Education via Correlational Analysis of Student Performance and Psychological/Demographical Factors

Nicholas Lesner – Chemistry and BCMB Double Major

*Attempted Synthesis of 2,3,6-Trihydroxypyridine and Characterization of the Putative Ring-Cleavage Enzyme in *Bacillus niacini* Nicotinate Catabolism*

Dylan McCreary – Chemistry and BCMB Double Major

*Investigation of the Functionality of the Nicotinic Acid Degradation Pathway of *Bordetella pertussis* as a Potential Treatment for Whooping Cough*

Peter Rohweder – Chemistry and BCMB Double Major

Mechanistic Investigation of the Ugi Reaction and Evaluation of Diastereomeric Control via Chiral Isocyanides

Severance Second Floor

Kristin Allan – Chemistry and BCMB Double Major

Stabilizing Redox-Responsive Protein Network Interactions with a Thiol-Reactive Cross-Linker

Morgan Dasovich – Chemistry and BCMB Double Major

*Partial Characterization of a Monooxygenase in *Bacillus niacini**

Leslie Doone – Chemistry and BCMB Double Major

Laying the Groundwork for Illuminating the Relationship Between Structure and Catalytic Efficiency in Phz O, a Phenazine Biosynthesis Enzyme

Andrew Greene – Chemistry and BCMB Double Major

*Preliminary investigation of *Caenorhabditis elegans* arginine kinase phosphorylation by AMPK*

Conner Hoelzel – Chemistry and BCMB Double Major

Synthetic Progress Towards the Production of Hydroxymethyl and Mercaptomethyl Salicylaldehyde Derivatives for use in Protein Chemical Synthesis

Melia Kovach – Chemistry and BCMB Double Major

*Generation of a *NicC* *Bordetella pertussis* Mutant: Investigating the Relationship Between Nicotinic Acid Degradation and Virulence Modulation*

Matthew Loberg - Chemistry and BCMB Double Major

Molecular Basis for Suppression of Genomic Instability by a Conserved Peroxidase

Huyen Nguyen – Chemistry and BCMB Double Major

Examining Evolution of Substrate Specificity Using Taurocyamine Kinase

Severance Second Floor

Jennifer Pilat – Chemistry and BCMB Double Major

Identification of Genes Involved in Exoprotease Activity in Pseudomonas Chlororaphis (14B11)

Fatima Rodriguez – Chemistry and BCMB Double Major

Requirement of Nab2 RNA Binding in Drosophila Melanogaster Nervous System Development

Traci Scott – Chemistry and BCMB Double Major

Synthesis of a Potential Phosphatidylserine Analog: cis-1,4-Cyclohexyldiphosphoserine

Heather Skinner – Chemistry and BCMB Double Major

The Putative Regulatory Role of Hydrogen Cyanide in Ethylene Signaling and Biosynthesis in Arabidopsis Seedlings and Tomato Fruit

Abby Szlachta – Chemistry and BCMB Double Major

Synthesis of A Potential Phospholipid Analog: trans-1, 4-cyclohexane-diphosphoserine

Freedlander Lobby

Frayne Poeting – Communication Sciences and Disorders Major

'Two Ears Are Better Than One': An Examination Of The Decision-Making Process Of Cochlear Implant Audiologists When Deciding On Bilateral Sequential Or Bilateral Simultaneous Cochlear Implants For Their Pediatric Patients

Maria Gonzalez – Communication Studies Major

The Presentational Self and Relational Identity in the Age of the Internet: A Quantitative Analysis of Satisfaction's Role in Relational Identity Depiction on Facebook

Sydney Grier – Communication Sciences and Disorders Major

A Comparison of Adult Input During Shared Book Reading to Preschool Aged Children While Reading a Traditional Print Book Versus an Electronic Book

Angela Wiley – Communication Sciences and Disorders Major

Speech-Language Pathologists' Knowledge Of Treatments Used To Remediate the Vocal Symptoms Of Parkinson's Disease

Matthew Ehrenburg – Communication Sciences and Disorders and Spanish Double Major

Policies and Clinical Practices Regarding Candidacy and Auditory Treatment for Hispanic Pediatric Patients in Cochlear Implant Centers in the United States

Anastasia Etienne – Communication Studies Major

An Analysis of the Motivations Behind Self-Disclosure On Social Networking Sites

Nariah Francis – Communication Studies Major

Beauty, Brains, But When The Beat Drops...: An Examination Of College-Aged Women's Uses And Rationalizations of Misogynistic Rap Music

Freedlander Lobby

Katie Gallagher – Communication Studies Major

Hitting The Mother Lode: Exploring the Traditional Ideals of Motherhood Through a Feminist Narrative Criticism in The Fosters

Hero Mikuriya – Communication Studies Major

The Influence of Mother-daughter Communication on Nutrition and Exercise in First-Year Female Students

Emily Prigg – Communication Studies Major

No Size Fits All: An Analysis of the Educational Experiences of Students with Dyslexia and Other Language-Based Learning Disabilities

Andrea Savatt – Communication Studies Major

The Importance of Family: Understanding the Family Communication Styles of Latino Families in the U.S.

Kauke 238

Ama Addo – Africana Studies Major

Queer Black (Mask)ulinites: A Comparative Analysis of James Baldwin and Frank Ocean Challenging Heteronormativity in Structures of Religion, Race and Misogyny

Rebecca Hamilton – International Relations Major

Autocracy, Bad Policy, and Centralization: The ABCs Surrounding State Failure

Alexander Hopkins – International Relations Major

Towards What Kind of Peace? An Analysis of the European Union's Evolving Peace Toolbox

Zachary Jenkins – International Relations Major

Revolutions and Volcanic Disturbances: Newspaper Conceptualizations of US-Latin America Foreign Policy in the 20th Century

Jordan Shremshock – International Relations Major

China-Taiwan Relations: The Persistent Deadlock amid Cycles of Stability and Change

Victoria Salemme – International Relations Major

Selling the War: A Study of the Effects of Presidential Priming on Casualty Sensitivity and Public Support for the Iraq War

Aaron Levy – Political Science Major

Explaining Strength of the Renewable Energy Policies of the EU: From a European Integration Theory Perspective

Kauke Second Floor Lobby

Isabel Bartlett Abaraca – Anthropology Major

The Multifaceted Ethnic Identities of Salvadoran-Americans: The Challenges, Pride, and Everything in Between

Madeline Baker – Political Science Major

Are We Making The Grade? An Analysis of the Effects of Racial Bias in Attitudes Towards Funding Public Schools

Kelsey Clark – Political Science Major

Prisons for Profit: Neoliberal Rationality's Transformation of America's Prison

Rachel Huxhold – Political Science Major

Who Gives A Dam? An Experimental Examination of Framing Techniques and Water Conservation

Stephanie Marengere – Political Science Major

The Effect of Facial Competence on Female Candidate Electoral Success

Arianna Thomas – Political Science Major

It Takes Two to Tango: A Comparative Case Study Analysis of Social Movement Framing Contests on Traditional and Social Media Venues

Faye Levin-O'Leary – Political Science and International Relations Double Major

State Interactions with Sub-National Groups Within and Across Their Borders

Sarah Litt – Political Science Major

To Join or Not to Join: A Statistical Analysis of Non-State Armed Groups' Size, 1980-2008

Molly Rose Laubernds – Political Science Major

A Comparative Case Study of the Effects of Foreign Aid on Six Developing African Nations and Whether Assistance was Ultimately Successful to Each

Timken Science Library East Mezzanine

Madeline Happ – Geology Major

Investigating Blue Light Intensity in Tree Rings to Generate High-Sensitivity Summer Temperature Records for Southern Alaska.

Mae Kemsley – Geology Major

An isotopic analysis of belemnites from the Speeton Clay Formation (Lower Cretaceous) of Filey Bay, North Yorkshire, England

Meridith Mann – Geology Major

Paleoecology and Depositional Environments of the Passage Beds Member at Filey Brigg (Upper Jurassic, North Yorkshire, England)

Dan Misinay – Geology Major

Late Holocene Glacial History of Muir Inlet, Glacier Bay National Park and Preserve, Alaska.

Brittany Nicholson – Geology Major

Mentoring Structures in Undergraduate Research

Eric Parker – Geology Major

Analysis of Water Quality Parameters and Preliminary Investigation into the Impacts of Human Access on the Water Quality of the Nisqually River, Mount Rainier National Park

Krysdan Schantz – Geology Major

The Use of Multiple Dating Methods to Determine the Age of Basalt in the Ice Springs Volcanic Field, Millard County, Utah

Adam Silverstein – Geology Major

Regional Volcanic Extinction as a Mechanism for Subsidence in the Vatnsdalur Structural Basin, Skagi Peninsula, Northwest Iceland

Kaitlin Starr – Geology Major

Reconstructing Glacial History from Forests Preserved in the Wake of the Catastrophic Retreating Columbia and Wooster Glaciers, Prince William Sound, Alaska

Gillian Spangler – Psychology Major

Effects of Socioeconomic Status on Prejudice and Perceptual Face Processing

Timken Science Library Reading Room

Annelise Bay – Biology Major

*Variation in Seed Oil Content in Multi-purpose Crop Species *Moringa Oleifera* from Naturalized Populations in Ghana*

Timken Science Library Reading Room

Taylor Bradley – Biology Major

Quantifying Fish Species Richness And Community Composition In Primary and Secondary Forest Streams

Samuel Gardner – Biology Major

The Impacts of Sleep Deprivation on the Immune System and Vaccination Effectiveness

Marissa Gorvet – Biology Major

The Interactions of Oxytocin and Maternal Separation on Anxiety and Depression in Rodents

Brian Karavantas – Biology Major

*The Modeling of Phenazine Induced Pathogenesis and Pharmacological Modulation of Autophagy in *C. elegans**

Shelby Kratt – Biology Major

*Progress toward the Investigation of the role of Arginine Kinase in the bacterium *Myxococcus xanthus**

Ian Martin – Biology Major

Influence of Cellular Localization of Peroxiredoxins on Mutation Frequency and Oxidant Defense

Stuti Sharma – Biology Major

The Impact of Edge Effects on Two Species of Glass Frogs in La Selva Biological Station, Costa Rica

Nate Weltman – Biology Major

Diversity Of Glass Frogs Between Primary And Secondary Tropical Forest At La Selva Biological Station, Heredia Province, Costa Rica

Timken Science Library West Mezzanine

Julia Anne Garcia – Psychology Major

We are PBS Kids: Influence of Educational Programming and Parental Involvement on Children's Desire to Learn

Rozalyn Gordon – Psychology Major

Examining the Role of Personality and Parenting Styles on Risky Sexual Behavior

Mark Hager – Psychology Major

The Effects of a Brief Mindfulness Induction on Empathy in an Auditory Modality

Timken Science Library West Mezzanine

Carly Joliat – Psychology Major

Who is the Head Teacher? A Study of Social Influence Among Authority Figures and Peers Across Development

Bre Labos – Psychology Major

Face Perception in Art

Matt Margida – Psychology Major

The Effects of Testosterone and Sport Participation on Aggression in Daily Life

Sharmeen Chinoy – Psychology Major

The Moderating Effect of Anxiety on Grit Predicting Performance

Wishart Lobby

Lauren Hancher – Communication Sciences & Disorders Major

A Comparison Among Primary Care Physicians, Speech-Language Pathologists, and Athletic Trainers on the Awareness of the Diagnostic Controversy that Presents Between Paradoxical Vocal Fold Motion and Asthma

Melissa Garcia de la Noceda – East Asian Studies Major

The Yushukan: Historical Memory at the Yasukuni Shrine War Memorial

Jeremy Lenz – Economics Major

A Weighty Matter: Obesity and its Impact on Wages

Griffin White – English Major

Pine River Camp: Welcome Home

Brittany Previte – English and History Double Major

'Don't Read This!': Lemony Snicket and the Control of Youth Reading Autonomy in Late-Nineteenth-Century Britain

Wishart Lobby

Benjamin Deering – Self-designed Major (Entrepreneurial Economics)

Applying Academic Research on The Importance of a Small Retail Business's Location to Construct a Business Plan for The Entrepreneurial Venture Deerhaus Decor LLC

Alyssa Angle – Spanish

A Comparison Between Studying Abroad and a Phonology Course in the Acquisition of $[\beta, \delta, \gamma]$

Patrick Edson – Communication Studies Major

The Political Voice of Tupac Shakur: Lyrical Rhetoric on Black Nationalism

Severance First Floor

Briana Marlatt – Chemistry Major

Photodegradation of P-Aminobenzoic Acid in Different Ambient and Ph Environments and Stabilization by Antioxidants

Taylor Bowen – Chemistry and BCMB Double Major

Evaluation of Organosilica-Iron Composites as a Soil Amendment to Protect Against Pesticide Drift

Kimberly Carter – Chemistry and BCMB Double Major

Biomimetic Adsorbents for the Removal of Microcystins from Water

Albert Darling – Chemistry and BCMB Double Major

An Investigation of Effective Methods to Form and Hydrolyze H-Phosphonate Diester Bonds for a Nucleophilic Acyl Substitution Reaction

Jackson Fielder – Chemistry and BCMB Double Major

Evaluation of Polysilsesquioxane Materials as a Solid-State Electrolyte Matrix in Lithium-Ion Batteries

Trevor Horst – Chemistry and BCMB Double Major

Progress Towards a Total Synthesis of Grandilodine C

Ellie Hudson-Heck – Chemistry and BCMB Double Major

Development and Testing of the Sentinel Passive Samplers Designed for Integrative and Rapid Adsorption of Environmental Water Contaminants

Severance First Floor

Elizabeth McInturf – Chemistry and BCMB Double Major
Transdermal Drug Delivery Using Organosilica Encapsulants

Shikha Dharia – Chemistry and Human Health Double Major
Got milk? An in-depth analysis of community water fluoridation and a chemical investigation of fluoridated milk as an alternative to fluoridated water

Severance Second Floor

Michael Andes – Chemistry and BCMB Double Major
Differential Expression of a Novel lncRNA (Na2) Aids in Arabidopsis thaliana Survival Under High Salinity Stress

Rachael Davis – Chemistry and BCMB Double Major
Analysis of Bioaccumulation and Sublethal Toxic Effects in Eisenia fetida, Lactuca sativa, and Arabidopsis thaliana Following Antidepressant Exposure

Ellyn Evans – Chemistry and BCMB Double Major
Characterization of Long Non-Coding RNA Expression During Low Temperature Stress in Arabidopsis thaliana: Exploring the Implications of Targeting lncRNA for Improved Plant Growth

Andrew Hamel – Chemistry and BCMB Double Major
A Dynamical Systems Approach to Understanding Synergies Between Thyroid Cancer Mutations

Ned Kelly – Chemistry and BCMB Double Major
Investigating the Structural Features that Promote Peroxiredoxin-Sulfiredoxin Interactions in Yeast

Gwendolyn Kuzmishin – Chemistry and BCMB Double Major
Attempted Identification of the Calcium-Dependent Sodium Channel Gene in Paramecium tetraurelia using RNAi

Jessica Meek – Chemistry and BCMB Double Major
Deciphering the Metal Dependency of Novel Nicotinic Acid Dehydrogenase from Bacillus Niacini

Jonathan Nutt – Chemistry and BCMB Double Major
Horseradish Peroxidase Entrapped in Organically Modified Silica for the Degradation of Endocrine Disrupting Compounds in Drinking Water

Kate Redding – Chemistry and BCMB Double Major
Exploring the Effects of Sleep Deprivation on Gene Expression in Drosophila Melanogaster

Poster Session

2:00 – 3:00

Severance Second Floor

Hank Schlueter – Chemistry and BCMB Double Major

The Effect of Solvent and Acceptor on Hydrogen Bonds Between Benzyl Alcohol - Aromatic Systems

Colleen Sells – Chemistry and BCMB Double Major

*Investigating the Targets of Plant Pathogen RXLR Effectors Through Hypersensitivity to Stress Conditions in *Saccharomyces cerevisiae**

Kevin Smith – Chemistry and BCMB Double Major

Enhancing the Bioavailability of the Dietary Supplement Curcumin through Nanodispersions

Kathryn Timar – Chemistry and BCMB Double Major

*Effects of arginine kinase gene deletions on muscle physiology and mitochondrial volume in *Caenorhabditis elegans**

Joseph Whiston – Chemistry and BCMB Double Major

Theory and Synthesis of Heterobimetallic Catalysts Towards Nitrogen Fixation

Theatrical Performances

2:00 – 3:30

Shoolroy Theatre Moderator: Shirley Huston-Findley

Stephanie Castrejon – Theatre & Dance and Anthropology Double Major

No Estoy Aqui

Erin Posey – Anthropology Major

The Mixtape

Summit J. Starr – Theatre & Dance Major

THIS IS NOT A PLAY//this is a GRRRL REVOLUTION!

Oral Presentation Session IV

2:00 – 3:00

Immigrants and International Students APEX

Moderator: Beth Boser

2:00 p.m.

Ananya Shrestha – Psychology and English Double Major

But You're So Americanized! Remote Acculturation and its Psychosocial Effects on International Students in the U.S.

Oral Presentation Session IV 2:00 – 3:00

Immigrants and International Students APEX Moderator: Beth Boser

2:20 p.m. **Whitney Spaulding** – Religious Studies Major
Being Asian, Becoming American: The Life and Practice of Religion in East Asian Immigrant Communities

2:40 p.m. **Margaret Reiser** – Communication Studies Major
Creating Bridges: Intersectional Activism & Rhetorical Strategies Between the Chicana and LGBTQ Movements

Animal Behavior CoRE Cube Moderator: Laura Sirot

2:00 p.m. **Jacob Beckstead** – Biology Major
Black is the New Gray: A Preliminary Analysis of Melanism the Genus Sciurus

2:20 p.m. **Laura Darby** – Biology Major
Effects of Heterospecific Male Presence on Generalized Activity and Reproductively-Associated Behavior in Aedes aegypti Females

2:40 p.m. **Luke Grisanti** – Biology Major
Behavioral Impacts of Antidepressant Exposure on Red Worm Eisenia fetida and Northern Leopard Frog Lithobates pipiens

Feminist Explorations Kauke 038 Moderator: Jennifer Hayward

2:00 p.m. **Tess Henthorne** – English Major
From Archives to Code: Gladys Fornell's Montel

2:20 p.m. **Mickey Osthimer** – English Major
The Town Near the Moon

2:40 p.m. **Lillian Shepherd** – English Major
Sexuality and Repression in Dracula: A Psychoanalytic Look at Shifting Notions of Gender and Sexuality within Dracula and Subsequent Adaptations

Women and Political Action Kauke 305 Moderator: Joan Friedman

2:00 p.m. **Zoe Cunningham-Cook** – Sociology Major
Opportunity and Empowerment in Female Prison Reentry in Wooster, OH

2:20 p.m. **Emily Dean-McKinney** – Women's Gender & Sexuality Studies and Political Science Double Major
All the Help We Can Get: The Effects of Mentoring on Women's Career Success in the American Political Arena

2:40 p.m. **Abigail Helvering** – History and Political Science Double Major
An Unlikely Hero: How Virginia Hall Became the Most Feared Allied Spy in Occupied France, and Why You've Never Heard of Her

Oral Presentation Session IV 2:00 – 3:00

Framing Modern Society

Wishart 101

Moderator: Margaret Ng

- 2:00 p.m. **Lois Kimmel** – Political Science Major
Creating the Middle Class: The Impact of Class-Based Identity Appeals in Presidential Campaigns
- 2:20 p.m. **Madeline Lipkin** – Communication Studies Major
A Modern Family Indeed: An Analysis of the Portrayal of the Same-Gender, Transracial, International Adoption in Modern Family
- 2:40 p.m. **Michael Long** – History and Philosophy Double Major
The Virtuous Rebel: Developing an Anarchist Ethic Informed by the American Anarchist Movement (1881-1919)

Melissa Schultz I.S. Research Prize in Sustainability and the Environment 3:00

Lean Lecture Hall

Moderator: Susan Clayton



*With this prize, we remember **Dr. Melissa M. Schultz**, Associate Professor of Chemistry, who was tragically killed on February 8, 2015, in automobile accident. She was passionate about the environment and sustainability, and a beloved mentor to her students. It is appropriate therefore that we take a moment to remember her today.*

- 3:00 p.m. **Adrian Rowan** – Studio Art Major
Art Making as an Ecofeminist Exercise in Understanding Species Extinction and Animal Farming
- 3:20 p.m. **Rachel Huxhold** – Political Science Major
Who Gives A Dam? An Experimental Examination of Framing Techniques and Water Conservation
- 3:40 p.m. **Taylor Bowen** – Chemistry and BCMB Double Major
Evaluation of Organosilica-Iron Composites as a Soil Amendment to Protect Against Pesticide Drift

Student Index

Abhasakun, Tara	22	Carter, Kimberly	34	Evans, Ellyn	35
Addo, Ama	29	Castrejon, Stephanie	36	Fafalios, Christopher	14
Alexander, Matilda	21	Catlin, Tyler	11	Fazio, Quintyn	6
Allan, Kristin	26	Chinoy, Sharmeen	33	Fiedler, Kasey	25
Ames, Tom	12	Christian, Catherine	25	Fielder, Jackson	34
Andes, Michael	35	Clark, Gregory	4	Filak, Jennifer	14
Angle, Alyssa	33	Clark, Kelsey	30	Flannery, Nicholas	14
Austin, Haley	20	Claspy, Anna	7	Foster, Kathryn	23
Ayers, Hannah	21	Coffin, Kristen	38	Francis, Nariah	28
Baird, Emily	6	Connors, Maggie	17	Frank, Abigail	6
Baker, Madeline	30	Cooper, Arjun	8	Freeman, Roxie	16
Banko, Kaitlin	13	Coppock, Adam	13	French, Katelyn	12
Bargar, Connor	18	Corman Penzel, Sam	8	Gaeta, Samantha	14
Bartlett Abaraca, Isabel	30	Cunningham-Cook, Zoe	37	Gagnon, Danielle	5
Baxstrom, Kelli	17, 20	Dalton, Sheamus	9	Galimberti, Anjela	5
Bay, Annelise	31	Damato, Anna	17	Gallagher, Katie	29
Beckstead, Jacob	37	Darby, Laura	37	Garcia de la Noceda, Melissa	33
Berk, Lanie	8	Darling, Albert	34	Garcia, Julia Anne	32
Berman, Masha	18	Dasovich, Morgan	26	Gardner, Samuel	32
Bhandari, Pratistha	11	Davis, Rachael	17, 35	Gavin, Mitch	10
Bolek, Olivia	7	Dean-McKinney, Emily	37	Giegold, Jeffrey	12
Bonadio, Michael	11	Deering, Benjamin	33	Gimble, Nathan	25
Borah, Preetom	25	Delaney, Devin	21	Glazer, Michelle	23
Bowen, Taylor	34, 39	DeMarsh, Andrea	19, 25	Glidewell, Savannah	19
Boyce, Daniel	14	Desotelle, Alex	13	Glowacki, Kathleen	15
Bradley, Taylor	32	Dharia, Shikha	5, 35	Gonzalez, Ahlon	18
Breck, Lauren	16	Dickey, Dallas Kathryn	21	Gonzalez, Maria	28
Brethauer, Kelly	6	Ding, Feng	17	Goodrich, Kayla	8
Bretschger, Shelby	6	Dobbs, Kiera	12, 24,	Gordon, Rozalyn	32
Breul, Caroline	9	Dolson, Cullen	16	Gorvet, Marissa	32
Burks, Latrice	19	Donato, Emily	16	Grace, Laura	10
Bush, Michael	10	Doone, Leslie	26	Greene, Andrew	26
Butler, Gregory	23	Downs, Alexander	23	Greenslade, Katarina	22
Caffrey, Joseph	21	Drake, Erin	25	Grier, Sydney	28
Cali, Sarah	14	Eckbold, Catherine	11	Griffith, Melissa	13, 23
Campos, Elisia	4, 38	Edson, Patrick	33	Grisanti, Luke	37
Carano, Marcus	7	Ehrenburg, Matthew	28	Gustafson, Alexandra	16
Carlson, Chelsea	21	Esselstyn, Flinn	8	Hager, Mark	32
Carmichael, Amanda	25	Estabrook, Kristen	23	Haines, Alexandra	19
Cartafalsa, John	18	Etienne, Anastasia	28	Hajek, Nicolaus	23

Student Index

Hall, Brett	24	Kimmel, Lois	39	McCreary, Dylan	26
Hall, Colm	11	King-Smith, Andrew	10	McHale, Frances	19
Hall, Katie	17	King-Smith, Matthew	11	McInturf, Elizabeth	35
Hamel, Andrew	35	Kirn, Spencer	11	McShane, Moira	8
Hamilton, Rebecca	29	Kittner, Elizabeth	17	Meek, Jessica	35
Hancher, Lauren	33	Knoop, Taylor	24	Megregian, Noah	10
Handloser, Rob	12	Kobylas, Marissa	8	Melena, Amy	16
Happ, Madeline	31	Kotsopoulos, Eva	5	Michalski, Bianka	18
Hatchett, Michael	5	Kovach, Melia	26	Mikuriya, Hero	29
Hayer, Greta	4, 7	Kral, Gracie	9	Miller, Torger	11
Helvering, Abigail	4, 9, 37	Kratt, Shelby	32	Milligan, Calvin	10
Henthorne, Tess	4, 37	Kruse, Anna	21	Miramontes Delgado, Diego	11
Herst, Andrew	13	Kuzmishin, Gwendolyn	35	Misinay, Dan	31
Hirsh, David	6	Labos, Bre	33	Mitra, Sayantan	12, 24
Hoelzel, Conner	26	LaFramboise, Rowan	19	Moore, Savannah	8
Honea, Logan	8	Lankford, Maggie	10	Moore, Zachary	8
Honn, Haylie	5	Large, Kelsey	8	Mundy, Kieran	5
Hopkins, Alexander	29	Laubernds, Molly Rose	30	Murphy, Ian	24
Horst, Trevor	34	Lee, Joyce	21	Murphy, Olivia	9
Horvath, Tori	16	Lenz, Jeremy	33	Nathanson, Emma	13
Houtz, Joshua	26	Lesner, Nicholas	26	Newar, Varunavi	13
Hrovat, Emily	38	Levin-O'Leary, Faye	30	Newsome, Nakesha	12
Hubbard, Eric	24	Levy, Aaron	29	Nguyen, Huyen	26
Hudson-Heck, Ellie	17, 34	Li, Yibing	9	Nguyen, Quang	25
Huegel, Corwin	9	Lipkin, Madeline	39	Nichol, Ethan	7
Hunkins, Jenna	21	Litt, Sarah	30	Nicholson, Brittany	31
Hunt, Lucas	12	Loberg, Matthew	26	Nutt, Jonathan	35
Huxhold, Rachel	30, 39	Lohia, Yashasvi	10	O'Hara, Brigid	10
Jachim, Peter	5, 22	Long, Michael	39	Omilanowski, Colin	38
Jenkins, Zachary	29	Lorch, Rachel	7	O'Neill, Madeleine	16
Johnson, Nathan	4, 5, 11	Love, Maki	5	Osborne, Rebecca	9
Joliat, Carly	33	Maghie, Walker	18	Osthimer, Mickey	37
Kahn, Natalie	23	Mann, Meridith	31	Owen, Will	21
Kamen, Caroline	15	Marengere, Stephanie	30	Palchoudhuri, Paroma	10
Karavantas, Brian	32	Margida, Matt	33	Parker, Eric	31
Kelbly, Paul	14	Marlatt, Briana	34	Penner, Leah	23
Kelly, Ned	35	Martin, Ian	32	Perez, Collin	22
Kemsley, Mae	31	Martinek, Andrew	6	Perman, Isabel	9
Kendrick, Sally	17	May, James	6, 21	Pilat, Jennifer	27
Kim, Sue Reon	4	McCrea, Sarah	9	Poeting, Frayne	28

Student Index

Posey, Erin	36	Small, Kinsey	12	Wiese, Petr	22
Previte, Brittany	33	Smith, Evangeline	38	Wiley, Angela	28
Priest, Jacob	11	Smith, Kevin	36	Williams, Michael	20
Prigg, Emily	29	Smith, Lena	6	Williams, Sarah	12
Pudnos, Lilie	4	Sokolich, Michael	13	Wilson, Emily	18
Pulice, Karli	19	Solomon, Jacob	12	Wren-Jarvis, Jamie	14
Quiery, Marisa	25	Song, Ke	14	Xiong, Yanli	15
Raybuck, Taylor	13	Spangler, Gillian	31	Zavaleta, Leah	7
Redding, Kate	35	Sparks, Grace	13	Zegeye, Dagmawi	12
Reindel, Kathryn	18	Spaulding, Whitney	37		
Reinthal, Mary	19	Stamos, Dana	6		
Reiser, Margaret	37	Starr, Kaitlin	2		
Rentzepis, Alexander	24	Starr, Summit	36		
Reynolds, Krystal	9, 20	Steiner-Malumphy, Audrey	23		
Rial, William	4	Stephens, Katherine	22		
Robison, Jade	38	Stone, Nathan	11		
Rodriguez, Fatima	27	Sullivan, Rachel	24		
Rohweder, Peter	26	Swanson, Kristyn	13		
Rowan, Adrian	22, 39	Szeltner, Peter	14		
Roy, Arpan	12	Szlachta, Abby	27		
Ryan, Mitchell	21	Taccheri, Isabel	22		
Salemme, Victoria	29	Taylor, Benjamin	10, 24		
Savatt, Andrea	29	Thomas, Arianna	30		
Schantz, Krysdan	20, 31	Tieman, Catherine	11		
Schattgen, Graham	10	Tierney, Charlotte	7		
Schlueter, Hank	36	Timar, Kathryn	36		
Schoenike, Katelyn	38	Torres, Julio	18		
Schram, Willow	6	Toto, Elisa Priscilla	24		
Scott, Traci	27	Trainor, John	4		
Sells, Colleen	36	Trescher, Claire	38		
Sersain, Laith	25	Tribbet, Jen-Jackson	38		
Shackleton, Andi	19	Usman, Khairunnisa	15		
Sharma, Stuti	32	Valentine, Elliott	7		
Shepherd, Lillian	37	Van Oss, Sarah	20		
Shreeve, Natalie	22	Vanden Broeck, Lauren	21		
Shremshock, Jordan	29	Webb, Hannah	22		
Shrestha, Ananya	16, 36	Weltman, Nate	32		
Silverstein, Adam	31	Whiston, Joseph	36		
Skinner, Heather	27	White, Griffin	33		
Slone, Bridget	17	Whitlock-Williams, Heather	13		



