



4-21-2010

Ursinus College Celebration of Student Achievement (CoSA) Schedule of Events, 2010

Office of Academic Affairs
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**Fifth Annual
Celebration of
Student
Achievement**

April 21, 2010

Schedule of Events

Session I: 10:00-10:50am

Pfahler Hall Atrium – Poster Presentations Biology, Business and Economics

Alvaro Amor, Lauren Lusardi, Lindsay MacNamara, & Christopher Yanucil <i>Mentor: Dale Cameron</i>	Defining the cellular components required for formation and propagation of infectious protein aggregates in yeast cells
Laura Gurenlian & Caitlyn McLarnon <i>Mentor: Rebecca Kohn</i>	Sensitivity of <i>Caenorhabditis elegans</i> mutants to oxidative stress
Lauren King <i>Mentor: Rebecca Kohn</i>	Oxidative stress induces neurodegeneration in <i>Caenorhabditis elegans</i>
Liza Agayeva, Tim Kaub, Dahee Kim, & Jane Kim <i>Mentor: Rebecca Lyczak</i>	Determination of Centrosome Position and Formation of Posterior-Anterior Axis in Development of <i>C. elegans</i> Embryo
George Pellegrino <i>Mentor: Rebecca Lyczak</i>	Investigation of the microtubule associated protein PTL-1 as a target of the puromycin-sensitive aminopeptidase PAM-1 in the <i>Caenorhabditis elegans</i> embryo
Ari Cohen & Jennifer Schrandt <i>Mentor: Rebecca Lyczak</i>	The Role of PAM-1 in embryonic development of <i>Caenorhabditis elegans</i>
Amy Sezack <i>Mentor: Shannon Mudd</i>	U.S. Fruit Prices, Cause and Effect
Richard Kisielowski <i>Mentor: Shannon Mudd</i>	Conflict of Interest: The Effects of War and Terrorism on Domestic Economies and International Trade
Kristen Stapler <i>Mentor: Shannon Mudd</i>	The International Trade Bias: The Effect of Trade on Growth and Wages in Developed and Developing Countries
Katrina Hunt <i>Mentor: Shannon Mudd</i>	Are ticket sales affected by a recession?
Trevor Thomas <i>Mentor: Shannon Mudd</i>	Overall Effects of Outsourcing on Quality of Life in America

Pfahler Hall 106 – Oral Presentations Mathematics and Computer Science

Stephan Hannion	Fault Tolerant Clustering in Wireless Sensor Networks
Jose DeJesus	Optimal Control Theory and applications
Tim Sidie	Applications of Cellular Automata in Cryptography
Saddean Reid	Applications of Primitive Roots and the Order of an Integer

Fifth Annual Celebration of Student Achievement
 Schedule of Events
 Session I: 10:00-10:50am

Olin Hall – Oral Presentations

Olin 101 – Media and Communication Studies

10:00am	Elizabeth Kilmer <i>Mentor: Lynne Edwards</i>	A Critical Look at the Effectiveness of Facebook Advertising
10:15am	Luke Benko & Mark Stipa <i>Mentor: Lynne Edwards</i>	The Prevalence of Sexting in Ursinus College
10:30am	Lisa Jobe <i>Mentor: Lynne Edwards</i>	Efficiency of Advertisements on Facebook

Olin 102 – Philosophy and Religious Studies, Anthropology and Sociology

10:00am	Karen Boedecker <i>Mentor: Nathan Rein</i>	The Ursinusiana Project
10:15am	Aakash Shah <i>Mentor: Charles Rice</i>	Violences of Everyday Life: The Interaction of Race, Class, Health, and the Environment
10:30am	Moira McGrath <i>Mentors: Kelly Sorensen & Nathan Rein</i>	Deciphering Dignitas: Dignitas Personae, Human Dignity, and Bioethics

Olin 103 – Politics and International Relations, German, French, Business and Economics

10:00am	Elise Sassone <i>Mentor: Robin Clouser</i>	Schroeder versus Merkel: The Role of Chancellor in Foreign Policy
10:15am	Katherine Blair <i>Mentors: Joseph Melrose & Colette Trout</i>	Interwar Activism: A study of three French authors fighting for peace in interwar France
10:30am	Stephanie Steinke <i>Mentor: Jennifer VanGilder</i>	Choice of Major and Occupational Outcomes: The Case of Economics

Olin 107 – English

10:00am	Melissa Pankake <i>Mentor: Carol Dole</i>	The Beautiful and the Beastly: Fairy Tale Themes in <i>Jane Eyre</i> and <i>Villette</i>
10:15am	Akasya Benge <i>Mentor: Meredith Goldsmith</i>	Mother: Rechargeable, Breakable, Recyclable?
10:30am	Amanda McBride <i>Mentor: Meredith Goldsmith</i>	The 1950s House: A Woman's Place or the Destruction of Women

Olin 108 – Biology, Environmental Studies

10:00am	Sarah Round <i>Mentor: Ellen Dawley</i>	Bad Wolf! A Study of the Influence of Wolf Biology on Dog Training Techniques
10:15am	Laura Brody <i>Mentor: Patrick Hurley</i>	Gathering in the Neighborhood: NTFPs in the suburbs of Philadelphia, PA

Olin 203 – Biology, Psychology

10:00am	Devon Allison & Jonathan Mitchell <i>Mentor: Anthony Lobo</i>	Exploring the Extremes- Isolation and Identification of Extreme Prokaryotes
10:15am	Jennifer Hope <i>Mentor: Anthony Lobo</i>	The Isolation and Identification of Extreme Halophiles Trapped within Rock Salt Crystals
10:30am	Lauren Daley & Kyli Kauth <i>Mentor: Gabrielle Principe</i>	Social Processes Affecting the Mnemonic Consequences of Rumors on Children's Memory

Session II: 11:00-11:50am

Pfahler Hall Atrium – Poster Presentations Biology, Neuroscience, Psychology, Business and Economics, Physics

Sara Foster <i>Mentor: Beth Bailey</i>	Cardiac Enlargement During Pregnancy May Involve New Myocyte Formation
Bradley Garman <i>Mentor: Beth Bailey</i>	Isolation and Characterization of Properties of Cardiac Myocytes
Taylor Bell, Laura Faith, & Juliann Weidenmoyer <i>Mentor: Joel Bish</i>	Implicit Bias of Mental Illness between Educated and Non-educated Groups
Catherine Hauk, Jonathan McCarthy, Margaret Opalack, Mark Smedberg, & Kayleigh Thompson <i>Mentor: Cathy Chambliss</i>	The interrelationships among Empathy, Schadenfreude, and Happiness: Mutuality Trumps Competition
Jonathan Bahm, Oliver Barry, Adam Papas, Harris Papas, Kim Termine <i>Mentor: Cathy Chambliss</i>	Parental attitudes in traditional single paycheck and nontraditional dual paycheck families
Kyli Kauth & Nicole Kevitch <i>Mentor: Cathy Chambliss</i>	The relationships among Emotional Intelligence, Narcissism, and Dangerous Driving
Andrew Black <i>Mentor: Shannon Mudd</i>	The Future of Exchange Rates
Casey Gilmore <i>Mentor: Shannon Mudd</i>	Do Educated Women Increase Economic Competition?
Bryan Borek <i>Mentor: Shannon Mudd</i>	The Impact of FDI on the Rate of Technology Transfers Between the U.S. and Brazil
Elizabeth Gombosi <i>Mentor: Shannon Mudd</i>	Does Trade Make the World a More Peaceful Place?
Julie DiPuppo & Jessie Gammel <i>Mentor: Gabrielle Principe</i>	Leaking Misinformation to Parents: Effects of Reminiscing Style on Children's Suggestibility about a Past Event
Kristen Amoroso, McCall Baer, Jasmine Harris, & Chelsea Lee <i>Mentor: Gabrielle Principe</i>	The Effect of Parental Questioning on Children's Memory of a Past Event
Jessica Palardy <i>Mentor: Lew Riley</i>	Gamma-ray Spectroscopy of ^{82}Ge Nuclei Produced in One Proton Knockout Reactions
Dante DiMidio <i>Mentor: Lew Riley</i>	An Acoustic Anomaly in A Brick Paver Circle at Ursinus College <i>(location may move to the Labyrinth outside of The Kaleidoscope)</i>

Pfahler Hall 106 – Oral Presentations Mathematics and Computer Science

Justin Garavel	Network Security and Productivity Software Implementation at an Automotive Dealership
Brett Thom	Internet Predation in Complex Chat Logs
Steven Moffett	Reactron
Patrick Quinn	

Fifth Annual Celebration of Student Achievement
 Schedule of Events
 Session II: 11:00-11:50am

Bomberger Hall – Oral Presentations

Bomberger 011 – History

11:00am	Matthew Nixon <i>Mentor: Dallett Hemphill</i>	"I Wish There Would Come A Time": Liberty Rhetoric and Antislavery Reality Across Revolutionary America
11:15am	Kelly Becker, Erik Derr, & Todd Wonderlin <i>Mentor: Dallett Hemphill</i>	Biography as History
11:30am	Nick Bendas <i>Mentor: Richard King</i>	A Great Tree: The Consequences of Empire Building during the Seven Years' War

Bomberger 016 – Business and Economics, Environmental Studies

11:00am	Jennifer Bonini <i>Mentor: Carol Cirka</i>	Keds Strut Green Route
11:15am	Maryanne Berthel, Brian Lyons, & Kristof Nerl <i>Mentor: Leah Joseph</i>	UCompost: Researching Residential Composting at Ursinus

Bomberger 129 – English

11:00am	Alyse Donnachie, Sarah Dougherty, & Melissa Pankake <i>Mentor: Meredith Goldsmith</i>	Three Perspectives on Elizabeth Bishop's "In the Waiting Room"
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Bomberger 202 – English

11:00am	Kelly George <i>Mentor: Carol Dole</i>	Jane Austen's Patriarchal System: The Necessity of Change
11:15am	Jason Zerbe <i>Mentors: Rebecca Jaroff and Patricia Schroeder</i>	Upsetting an Ideal: Appropriations of Discourse in William Faulkner's <i>The Unvanquished</i>

Bomberger 228 – Chemistry

11:00am	Greg Lewis <i>Mentor: Mark Ellison</i>	The Attachment of Acyclovir to Single-Walled Carbon Nanotubes
11:15am	Adam Rimshaw <i>Mentor: Mark Ellison</i>	Molecular Wire Attachment to a Single-Walled Carbon Nanotubes
11:30am	Andrey Bilko <i>Mentor: Codrina Popescu</i>	Organometallics in Biology: Mössbauer Spectroscopic Studies of the Iron Hydrogenases Model Complexes

Bomberger 306 – Media and Communication Studies

11:00am	Matt Whitman <i>Mentor: Lynne Edwards</i>	Sexual Orientation and Aggression in Online Predators
11:15am	Alexandria McBride <i>Mentor: Lynne Edwards</i>	Turned-On By Family, Friend, and Emotional Problems: Predators' attraction to victims that openly admit to having a less than perfect life.
11:30am	Ellen Bernhard <i>Mentor: Lynne Edwards</i>	Internet predation: Victim vulnerabilities and the predator's willingness to establish a relationship

Lenfest Theater – Performances

Theater and Dance

Amanda Blythe, Roger Lee, Kayla
McLeod, Shakeeta Parker, Sarah Anne
Rosner, Tyler Shipley, & Ryan Sullivan
Mentor: Cathy Young

Dance Composition

Mary Elizabeth Ashley, Jacqueline
Berkowitz, Amanda Blythe, Annabel
Clarance, Robyn Clark, Erin Fennelly,
Natalie Gaetani, Katherine Greco,
Danielle Harris, Cara Janes, Roger
Lee, Shakeeta Parker, Jennifer
Paulding, Alexandra Peters, Sarah
Anne Rosner, & Helen Sieracki
Mentor: Cathy Young

Swing Concerto

11:30am-1:30pm

Lunch

Wisner Student Restaurant

Faculty and staff are invited to join students for lunch

12:00pm-12:50pm

Bomberger Auditorium – Performance

Music

A Cappell-off

The B'Naturals and The Bearitones

Mentor: John French

Session III: 1:00-1:50pm

Pfahler Hall Atrium – Poster Presentations Chemistry, Biochemistry and Molecular Biology

Katherine Greco <i>Mentor: Mark Ellison</i>	Capability of Single-walled Carbon Nanotubes to Penetrate Cell Walls in <i>Saccharomyces cerevisiae</i>
Kathryn Maselli <i>Mentor: Brian Pfennig</i>	Dependence of the IVCT Band in Fe(II)-L-Pt(IV) MV Compounds on the Internuclear Separation
David Kraus <i>Mentor: Codrina Popescu</i>	Mössbauer Spectroscopy of Model Complexes for Hydrogenase Enzymes
Emily Mercadante, Sylvia Yu, & Alvaro Amor <i>Mentor: Silvia Porello</i>	Effect of Substrate Binding in the Fluorescence Properties of Soluble Gas Proteins of <i>Saccharomyces cerevisiae</i>
Lindsay MacNamara <i>Mentor: Silvia Porello</i>	An analysis on the role and function of the Gas protein in <i>Saccharomyces cerevisiae</i>
Susan Butch <i>Mentor: Amanda Reig</i>	Expression and Purification of a Designed 3-His Di-iron Protein from <i>Escherichia coli</i> Cells
Justine Betzu <i>Mentor: Amanda Reig</i>	Modeling Active Sites of Di-Iron Carboxylate Enzymes Through the Introduction of 3 Mutations into a Designed 2-His Protein
Rabiul Ryan, Kira Stone, & Allison Young <i>Mentor: Rebecca Roberts</i>	The Effects of Bisphenol A and Estrogen on Immune Function in a Lupus-prone Murine Model
Emanuela Dylgjeri <i>Mentor: Eric Williamsen</i>	Study of Anesthetic Effect Upon Different Chain Length Alkanols and Serum Albumin Binding Affinity Using Solid Phase Micro Extraction (SPME)
Nara Lee <i>Mentor: Eric Williamsen</i>	Effects of serum albumin-octanol binding on anesthesia
Kevin Amiri <i>Mentor: Eric Williamsen</i>	A Thermodynamic Study of the a Fluorophenyl Stationary Phase in High Performance Liquid Chromatography

Lenfest Theater – Presentation Theater and Dance

Joshua Aungst, Abbie Cichowski, & Allie Harmelin <i>Mentor: Beverly Redman</i>	In the Spotlight: Theatre's Role in Raising Personal and Community Awareness
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Fifth Annual Celebration of Student Achievement
Schedule of Events
Session III: 1:00-1:50pm

Olin Hall – Oral Presentations

Olin 101 – Politics and International Relations, French

1:00pm	Katherine Blair <i>Mentors: Joseph Melrose & Colette Trout</i>	Jean Giono et le Pacifisme Paysan
1:15pm	Ashley O'Connell <i>Mentor: Frances Novack</i>	La Satire de la Médecine et des Médecins dans la comédie de Molière
1:30pm	Laura Prahlad <i>Mentor: Colette Trout</i>	L'identité et l'immigration : le sang et le sol (Identity and Immigration: Blood and Land)

Olin 102 – Environmental Studies

1:00pm	Maryanne Berthel & Kathryn Hausman <i>Mentor: Patrick Hurley</i>	A Historical Perspective on Ecologic Change in the Greater Collegeville Area
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Olin 103 – Spanish

1:00pm	Amber Spurka <i>Mentor: Xochitl Shuru</i>	The Transformation of La Malinche
1:15pm	Samantha Bromberg, Rita Jacobs, & Calla Maddox <i>Mentor: Giovanna Steyaert</i>	From Madrid: how Spaniards view immigration

Olin 107 – Film Studies, English, African American and Africana Studies

1:00pm	Abigail Raymond <i>Mentor: Frances Gateward</i>	Visual and Narrative Montage in <i>The Royal Tenenbaums</i>
1:15pm	MaryKatherine Sullivan <i>Mentor: Meredith Goldsmith</i>	Today's Headline: Truth and Reality as Seen Through the Media in <i>An American Tragedy</i> and <i>Native Son</i>
1:30pm	Joshua Walsh <i>Mentor: Walter Greason</i>	Black Lives Through White Eyes: Black Portrayal in the Western Media and its Roots in Racist Oppression

Olin 108 – Media and Communication Studies, Mathematics and Computer Science

1:00pm	Nick Hanford <i>Mentor: Lynne Edwards</i>	Implicit Persuasion with Sexual Predators
1:15pm	Jennifer Bayzick & India McGhee <i>Mentor: April Kontostathis</i>	Learning to Identify Sexual Predation

Session IV: 2:00-2:50pm

Pfahler Hall Atrium – Poster Presentations Biology, Environmental Studies, Mathematics and Computer Science

Shoji Samson, Kyle Davis, Patrick Skelton <i>Mentor: Ellen Dawley</i>	Tracking the maturation of neural stem cells in the salamander <i>P. cinereus</i> via immunofluorescent labeling of nestin and vimentin
Caitlin Cook & Timothy Gibble <i>Mentor: Ellen Dawley</i>	Responsiveness of Microglia in the Spinal Cord Regeneration of <i>Plethodon cinereus</i>
Michelle Klaw <i>Mentor: Ellen Dawley</i>	Tail Morphology and Microglial Migration Following Spinal Cord Injury in <i>Notophthalmus viridescens</i>
Emily White <i>Mentor: Robert Dawley</i>	A Comparison of Mammalian Diversity in Fragmented and Continuous Forests
Kristen Amoroso, Keith Baker, Carly Freedman, Alexandra Hall, Mark LaSorda, Kira Personette, Amber Samuels, Cynthia Taylor, & Sara Wadsworth <i>Mentor: Kathryn Goddard-Doms</i>	The impacts of the Radnor Valley Country Club on the health of Ithan Creek determined through macroinvertebrate sampling and water chemistry analysis
Sara Lee <i>Mentor: Leah Joseph</i>	The Effect of a Vegetated Roof on Temperature and Water Runoff and Quality
Chris Cannito & Kristof Nerl <i>Mentor: Leah Joseph</i>	The World Around Us
Matthew Stehman <i>Mentor: Mohammed Yahdi</i>	Nonlinear Dynamical Models of Shifted and Multi-Modal Oscillatory Responses of Suspension Bridges
Kristen Much <i>Mentor: Mohammed Yahdi</i>	The Mathematical Modeling and Sensitivity Analysis of Antibiotic Resistance

Fifth Annual Celebration of Student Achievement
 Schedule of Events
 Session IV: 2:00-2:50pm

Bomberger Hall – Oral Presentations

Bomberger 011 – French

2:00pm	Sameera Guttha & Lauren Mermelstein <i>Mentor: Frances Novack</i>	"Tombouctou": A Story by Guy de Maupassant, Master of the Short Story
2:15pm	Leah Stambaugh <i>Mentor: Frances Novack</i>	Desires and Success of Characters in Balzac's works
2:30pm	Holly Brizell <i>Mentor: Frances Novack</i>	Les Conflits Dans <i>L'Enfant Noir</i> --un roman de Camara Laye

Bomberger 129 – UCARE

2:00pm	Elizabeth Cannon, Ryan Collins, Jessica DeVaul, Bridget Daly-Barnes, Kyle Shelton, Amanda Finch, Sierra Guerin, Arielle Ross, & Delicia Wharton <i>Mentor: Christian Rice</i>	Ursinus Center for Advocacy, Responsibility, and Engagement
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Bomberger 202 – English, History

2:00pm	Rachel Perry & Carly Siegler <i>Mentor: Meredith Goldsmith</i>	Time Traveling Teenagers as related to Montaigne and Brebeuf
2:15pm	Samantha Owen <i>Mentor: Joyce Lionarons</i>	Exploring Constructions of Masculinity through Tower Imagery in the Lais of Marie de France
2:30pm	Erik Derr <i>Mentor: Susanna Throop</i>	Feudalism: The Bonds that Fueled the Crusades

Bomberger 228 – Biology

2:00pm	Aakash Shah <i>Mentor: Rebecca Lyczak</i>	Behavioral Characterization of pam-1 mutants in <i>C. elegans</i>
2:15pm	Cody Postlethwait <i>Mentor: Cory Straub</i>	Is plant diversity beneficial to lady beetle foraging?

Bomberger 306 – Business and Economics

2:00pm	Mubarak Lawrence <i>Mentor: Carol Cirka</i>	How does Toyota handle the recall crisis, and reassure reliability?
2:15pm	Eric Farris <i>Mentor: Cindy Harris</i>	The Effect of CEO Duality on CEO Compensation

Fifth Annual Celebration of Student Achievement
Schedule of Events

Honors and Other CoSA Presentations

Art – Berman Museum of Art

3:00pm	Deanna Hayes	<u>220K Rainbow(s)</u> : Exploring Material Choices Using a Constant Image
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Biochemistry and Molecular Biology, Biology, Neurobiology – Thomas 324

3:00pm	Samantha Fortin	<i>PAM-1</i> aminopeptidase regulates positioning of the centrosome in <i>C. elegans</i> embryos and establishes anterior-posterior polarity by asymmetric distribution of PAR proteins
3:20pm	Alison Injaian	Developing a technique to isolate cardiac myocytes in pregnant mice
3:40pm	Emily Mercadante	The Effect of Estrogen and Bisphenol A on Antigen Processing and Presentation in a Murine Model for Lupus
4:00pm	Laura Gurenlian	Sensitivity of nervous system mutants to oxidative stress in the nematode, <i>Caenorhabditis elegans</i>
4/23 12:30- 2:00pm	Caitlin Cook, Shoji Samson, & Michelle Klaw	Honors Presentations

English – Olin 108

3:00pm	Nicole Dillie	The Place and Purpose of Punishment: Hardy's Fallen Families
	Amber Hyppolite	Dating White Boys and Other Stories
	Jason Zerbe	From Sartoris to Snopes : Class and the Competition for Power in Faulkner's Yoknapatawpha County

History – Phi Alpha Theta Induction and History Graduation Awards Picnic

Media and Communication Studies

3:00pm	Caitlin Dalik	Which Box Do I Check?: A study of biracial adolescent identity <i>Ritter 141</i>
4:00pm	Joshua Steinhouse	Collegeville Connected: Branding & Designing A Town <i>Musser Lecture Hall, Pfahler Hall</i>

Psychology and Neuroscience – Olin 103

3:00pm	Nicole Varga	The Neurocognitive Development of Reconstructive Memory Errors
3:20pm	Avinash Vaidya	Seeing T's of Green, Red O's Too, 'I' and 'C' are Blue, same for 'E' and 'U': the Wonderful World of Synesthesia
3:40pm	Stefanie Moyer	Attitudes related to academics and athletics: a survey of Ursinus student-athletes
4:00pm	Jessie Gammel	The effects of parental biases on children's memories for an event
4:20pm	Julie DiPuppo	Children, Their Parents and Their Peers: How Social Interactions Impact Children's Autobiographical Memory and Narrative Reports of Personally Witnessed Events

Theater and Dance – Lenfest Theater

3:00pm	Roger Lee	Worlds Apart: Tracing the transition of the young dancer from Studio to College
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Notes

