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Academic Conference 2013

Welcome to the **Holy Cross Academic Conference 2013** sponsored by the Office of the Vice President for Academic Affairs and Dean of the College. This annual event is a celebration of almost 300 Holy Cross students and their independent work in the performing and visual arts, social sciences, humanities, and physical sciences. The programs, projects, posters, and performances to be presented are the result of student work over one or two semesters under the guidance of faculty members. The students presenting this year represent but a fraction of the independent and group-project work of our students, but in recognizing these projects we celebrate the independence, creativity, and intellectual discipline all our students have developed while at Holy Cross and the role members of the faculty have played as mentors and model teacher-scholars. Every presentation in the conference is the result of its author and faculty advisor's creativity, hard work, and discipline, and together they provide a fitting conclusion to our academic year.

Without the interest, enthusiasm, follow-through, flexibility, and guidance of the faculty and administrative sponsors of the academic programs, this event would not have been possible. Thanks are due to Profs. Mathew Schmalz (College Honors Program), Richard Matlak and Susan Cunningham(CISS), the concentration directors, department chairs, academic program coordinators, conductors of musical groups and directors of Department Honors programs, as well as the many individual faculty who have supervised these student projects. Thanks are also extended to Sharon Matys (Graphic Arts), and Suzanne Sousa and Elizabeth Rice (Conference Services) and Kevin O'Loughlin (Hogan Campus Center) and Jesse Anderson (Audio-Visual) for their long hours, attention to detail, and technical support in putting together this event. Finally deep gratitude is extended to Stephanie Outerson (Academic Services and Learning Resources) for her creativity, imagination, organizational skills and tireless work in making the conference a success.

Of course, the real stars of the conference are the Holy Cross students and faculty who have worked together in the classroom, laboratory, studio, and theatre to prepare for these presentations. Congratulations to all!

Enjoy!

Margaret N. Freije
Associate Dean of the College

Wednesday, 24 April

FENWICK SCHOLAR PRESENTATION

Wednesday, 24 April **4:00 – 5:00 p.m.** **Rehm Library**

Gregory Peters '13 Schizophrenia in Research and Practice: The Case for Conceptual and Methodological Pluralism

Conference Reception

Following the Fenwick Presentation everyone is invited to celebrate the opening of the 2013 Academic Conference

Wednesday, 24 April

5:00 – 6:00 p.m.

Moran Lounge, 4th floor

Smith Hall

Wednesday, 24 April

STUDIO ARTS

Senior Minor Opening | **5:00 – 6:30 p.m.** | **SAS Gallery Hogan I**

Ginny Do '13
Carly Eressy '13
Kelsey Killeen '13
Jennifer Lee '13
Clare Murphy '13
Meghan Nee '13
Meghan Reilly '13
Felicia Russo '13
William Shrader '13
Katherine McCarthy '13

CHAMBER ORCHESTRA CONCERT

8:00 p.m. | **Brooks Concert Hall**

Program:
Mozart Symphony #40
Bruch Violin Concerto

Thursday, 25 April

PEACE AND CONFLICT STUDIES

9:30 – 11:30 a.m. Hogan 406(7)

Kelly Casey '13	An Analysis of Legislative and NGO Responses to Human Trafficking: Advocating for a Human Rights-Based Approach
Jacqueline Distefano '13	Women and Peace: How Women Can Play a Bigger Role in Peacemaking
Marissa Lown '13	Iran: Women and Education
Frances Klimczak '13	Answering God's Call: A Catholic's Response to Violence and War

STUDY ABROAD

10:00 a.m. – 12:00 p.m. Hogan 320

Michele Grenier '13	"Pass Me That Rigger Jigger": Rowing with the Dublin University Ladies Boat Club
Elizabeth Mahoney '13	Eating at the Tuscan Table: Beyond Spaghetti and Meatballs
Lucia Westin '13	*Campus Vert*: Reflections on the Green Movement in Strasbourg
Frances Klimczak '13 **Guadalupe Quijada '13**	A Conversation about Cultural (Misunderstanding In Peru
Katherine Fischer '13	Capturing the Nature of Ireland through Study and Service
Malik Neal '13	Innocence Dismantled: A Narrative of an LTTE Child Solider

COLLEGE HONORS

10:00 a.m. – 4:30 p.m. Hogan 401

10:00 a.m.	
Travis LaCouter '13	Making Liberalism Work: Rawls, MacIntyre, and Ratzinger on Justice, Moral Disagreement, and the Good
10:30 a.m.	
Liza Noone '13	Redon's Retrospection: Seeking the Past in French Symbolism

Thursday, 25 April

COLLEGE HONORS CONT.

11:00 a.m.
Michael Pettinati '13 — Computing the Trajectory of a Moving Object Using a Neural Based Model

11:30 a.m.
Sheila Coursey '13 — The Things They Carried: Object Agency and National Crisis in *Morte d'Arthur* and *Moby Dick*

1:30 p.m.
David Cotrone '13 — The Road to Each of Us: Character, Place, and the Writing of Contemporary Fiction

2:00 p.m.
Elizabeth Masi '13 — Novel Writing: Exploring Narrative Arc, Sequencing, Character Perspective, and Time

4:00 p.m.
Laura Urbanski '13 — Cyclization of Glutamine or Asparagine Residues Coupled to Peptide Bond Cleavage in an Intein and a Model Peptide

MULTIDISCIPLINARY MAJORS AND MINORS

10:00 a.m – 5:30 p.m. Hogan 408(9)

10:00 a.m.
Peter Walsh '13 — The Ethics of Extraction: Understanding Economics and Human Rights in Colonial Ghana

10:30 a.m.
Mary Zabinski '13 — Research Abroad: Parasitology and Tuberculosis Research in Lima, Peru

11:00 a.m.
Kathryn Chobanian '13 — The Missing Voice in the Epidemic: Experiences of Living with HIV/AIDS in Dar es Salaam, Tanzania

11:30 a.m.
Katherine Grant '13 — Memorials to the Shoa: Modernity, Aesthetics, and the Problem of Commemoration

12:00 p.m. - 1:00 p.m. — **LUNCH**

1:00 p.m.
Edward Supple '13 — The Rights of Civilians in Guerrilla Warfare

1:30 p.m.
Vivian Daly '13 — Aboriginal Forestry in Canada

Thursday, 25 April

MULTIDISCIPLINARY MAJORS AND MINORS CONT.

AFTERNOON BREAK

3:30 p.m.
Elizabeth Mahoney '13 — Abstraction in Art and Politics

4:00 p.m.
Nicholas Pope '13 — The Color Revolutions and the US – Russian Bilateral Relationship

4:30 p.m.
John Rubayiza '13 — Post-Genocide Rwanda's Economic Growth and Its Democratic Issues

5:00 p.m.
Michael Gagnon '13 — Expressionism in Film

CISS - ALPHA IOTA SIGMA INDUCTION

6:00 – 8:30 p.m. **Hogan Suite A**

Colleen Curran '11
Peter Walsh '13
Kathryn Chobanian '13
Michael Gagnon '13
Katherine Grant '13
Caroline Volstad '13
Travis LaCouter '13
Elizabeth Mahoney '13
Elizabeth Henry '14
Thomas Campbell '14
Charlotte LaGuardia '14

STUDIO ARTS

Studio Art Seniors Roundtable Discussion **12:00 – 1:00 p.m.** **Cantor Art Gallery**

Jack Butler '13
Dioni Cruz '13
Vivian Daly '13
Janelle Dimartino '13
Danielle Dimond '13
Chelesea Jenkins '13
Julia Keough '13
Annie Le '13
Kerry Simon '13
Alexander Vera '13
Katherine Wallace '13

RELIGIOUS STUDIES THETA ALPHA KAPPA INDUCTION

12:00 – 2:30 p.m. **Hogan Suite A**

Michael Casey '15
Alden Coffin '15
Lauren Hammer '14 (Study Abroad)
Kenneth Jordan '14
Matthew King '14 (Study Abroad)
Valerie Kisselback '15
Kristina Kutsukos '14 (Study Abroad)
Catherine Mikula '14 (Study Abroad)
Barbara Silva '14 (Study Abroad)

Thursday, 25 April

AFRICANA STUDIES

2:00 – 3:00 p.m. **Hogan 406(7)**

Shawn Johnson '13 **The Enemy of My Enemy is My Friend**

ECONOMICS HONORS

3:30 – 5:00 p.m. **Hogan 403**

Molly Muldoon '13 Creativity in Motion Picture

James Pantano '13 Is Bigger Better? An Examination of the Effect of Size on Performance and Salary of the NHL Goaltenders

Elizabeth Sundheim '13 Long Has Become Too Long: A Close Look at Unemployment Transition Rates in the 2007-2009 Recession

POLITICAL SCIENCE

3:30 – 5:00 p.m. **Hogan 304(5)**

John Condon '13 Integration and Migration

Daniel Lautenschlager '13 Housing and the Econ Crisis

POLITICAL SCIENCE PI SIGMA ALPHA INDUCTION

3:30 – 5:00 p.m. **Hogan 304(5)**

Katherine E. Bradway '13
Laureen Frances Breen '13
Nicholas Eugene Forgione '13
Christopher Kenneth Golden '13
Tate Seth Langerman '13
Thomas Mannix '13
Nicholas Peter Ricciardi '13
Lauren Marie Spurr '13
Brian Scott Brazeau '14
Henry Pascal Callegary '14
Reed P. Casey '14
John Castro Jr. '14
Michael J. DiMauro '14
Kristina L. Domaney '14
Andrew D. Emerson '14
Neema Hakim '14
Barret S. Holden '14
Patrick J. Horan '14
Paul M. Hovey '14
Cosmo Karalolos '14
Mark Legare '14
Sean L. Linehan '14
Jacob M. Love '14
Ryan Paul McGrath '14
Grace Ryan McNally '14
Kyle A. Olsen '14
Katherine F. Riley '14
Anthony Russo '14
Bill Wahrer '14
Kathleen Werbner '14

Thursday, 25 April

ANTHROPOLOGY

3:30 – 6:00 p.m. **Hogan 320**

Ethnographic Field Methods

Marjorie Liggett '13	The Role of Charity: A Study of the Student Program for Urban Development
Jonathan Kassira '14	Perceptions of Body and Health Within the Homeless Community
Martha Walters '14	Perpetuating Economic and Racial Inequalities through Food: Exploring Food Justice in Worcester, MA
Matthew Burke '13	Musical Constructions of Place and Identity by Iraqi Refugees in Worcester, MA
Ariel Jimenez '13	Immigrant Family Businesses
Alexandra Moore '13	Highway to the Hill: I-290 Highway as a Physical Manifestation of the Socioeconomic Barrier between City of Worcester and Holy Cross
Tricia Giglio '14	A Damaged Identity: The Life of an Injured Athlete on a College Campus
David Cotrone '13	Virtual Bodies: Gender Politics and Online Dating
Sharice Styles '14	K-Pop Phenomenon

ART HISTORY

The Best in Art History **4:00 – 5:15 p.m.** **O'Kane 495**

19th Century Highlights at the Worcester Art Museum

Katherine Manansala '15	J.M.W. Turner, *Banks of the Loire,* 1829
Caroline Fador '14	Camille Pissaro, *Bassins Duquesne et Berrigny* **à** *Dieppe, Temps Gris,* 1902
Brian Sullivan '16	Paul Cézanne, *Study for the Card Players,* 1890-92
Amanda Murphy '13	John Lafarge, *Peacock Window,* 1908
Chase Padusniak '15	Cross-Cultural Currents in Mediterranean Art

Thursday, 25 April

ART HISTORY CONT.

Landscape Speaks at the Worcester Art Museum

Nicole Landry '16	Jean-Baptiste Pater, *The Dance*, 1730: Turning to Nature for Love and Moral Education
Jonathan Winslow '16	Ralph Earl, *Looking East from Denny Hill*, 1800: A Historical Perspective of Ethics Regarding the Natural World
Lydia Deneen '16	Edward Hicks, *The Peaceable Kingdom*, 1833: A Reflection of the Society of Friends
Kit Wallace '13	Artemisia Gentileschi, *Judith and her Handmaid with the Head of Holofernes*, 1625

SPANISH SIGMA DELTA PI INDUCTION

4:00 – 8:00p.m. **Hogan Suite B/C**

Holy Cross chapter Omicron Epsilon of Sigma Delta Pi, the National Collegiate Hispanic Honor Society, honors its members for 2013:

President: **Katiary Munoz '13**

Inductees:

Daniel Alston '13
Victoria Anderson '13
Shannon Cain '13
Allison Carleton '13
Brooke Cunningham '13
Jessica Dodakian '14
Charlotte Gellene '13
Briana Goncalves '13
Erin McMahon '13
Kelly Nedorostek '14
Nathan Ross '13
Kelsey Smith '13
Nicole Solman '12
Kathleen Romania '13

BIOLOGICAL PSYCHOLOGY

5:30 – 8:00 p.m. **Smith Labs 154**

Maura Fox '13	Comparison of Implicit Learning in Cotton-Top Tamarins and Pigeons on an Artificial Grammar Task
Nathan Guevremont '13	Primacy Effects in Memory
Bailey Proft '13	Cerebral Aneurysm Neck Reoccurrence After Endovascular Coiling Following Subarachnoid Hemorrhages

Thursday, 25 April

BIOLOGICAL PSYCHOLOGY CONT.

Tara Raj '13	Evidence for Relative Roles of Mesolimbic and Mesocortical Dopamine in Prepulse Inhibition in Mice
Samantha Nardi '13	Role of Mesocortical Dopamine in the Hypoglutamatergic Hypothesis of Schizophrenia

STUDIO ART

Senior Major Opening — **6:00 – 7:30 p.m.** — **Cantor Art Gallery**

Jack Butler '13
Dioni Cruz '13
Vivian Daly '13
Janelle DiMartino '13
Danielle Dimond '13
Chelesea Jenkins '13
Julia Keough '13
Annie Le '13
Kerry Simon '13
Alexander Vera '13
Katherine Wallace '13

MUSIC

8:00 p.m. — **Brooks Concert Hall**

Chamber Music Festival

Friday, 26 April

COMMUNITY BASED LEARNING

9:00 – 11:00 a.m. Hogan 403

PSYC 355 Resilience & Development Presentations

Elicia Flemming '13	Striving for Success: How Bi-Cultural Identity Development and Psychological Adjustment Strains Academic Motivation in Immigrant Youth
Megan Lynch '13	Is it Safe to Play Outside? Exploring Limitations on Children's Free Play in Low-Income Neighborhoods
Sarah Masterson '13	High Mobility within Urban Schools
Alex Noonan '13	Structure, Sports... Success
Haley O'Connor '13	Fostering a Profile of Resilience: A Closer Look at How Girls C.H.O.I.C.E. Encourages Bright Young Females to Excel, Despite Obstacles

Non-Profit Careers Conference Presentations

Alanna Downing '15 **Mandy Lam '15** **Jeff Paadre '13** **Jackie Saltarelli '15** **Martha Walters '14**	Oxfam Case Study
Melanie Collins '15 **Sean Coyle '15** **Greg Joyce '14** **Angela Yu '14**	Community Harvest, Inc. Case Study

WOMEN'S & GENDER STUDIES

9:00 a.m. – 4:00 p.m. Hogan 408(9)

9:00 – 10:45 a.m.

Michele Grenier '13	Natural Space and Female Authorship in George Eliot's Early Works
Kelsey Russell '13	Catholic and Feminist: Two Case Studies in Negotiating Identities
Kelcey Germain '13	Bullying: A Gendered High School Issue
Katherine-Anne Sipolt Rosenthal '13	Performing Queer

Friday, 26 April

WOMEN'S & GENDER STUDIES CONT.

Erika Leger '13 — Unveiling the Reasons Why Some Women Fail To Form Bonds of Sisterhood in Their Communities

11:00 a.m. – 12:45 p.m.

Sydney Kane '13 — Prodigal Sons and Daughters: Marilynne Robinson and Anne Enright on Family and Identity

Stephanie Pajak '13 — How is Community Based Learning (CBL) Effective as a Supplement to Gender Studies Coursework at the College of The Holy Cross?

Alexandra Schultz '13 — Teaching to Transgress Sexism: Gender-Based High School Curriculum and Recommendations for Improvement

Katherine Sutton '13 — Men's Athletic Status and Its Influence on Bystander Attitudes

Jack Maliska '13 — Life at the SPA: A Study of Masculinity at the Massachusetts State Police Academy

2:00 – 3:45 p.m.

Maya Rock '13 — Molding the Male Body: Discourse on Masculinities

Alyssa Ruhland '13 — Gender Differences in Adolescent Caffeine Use

Rachel Ravelo '13 — Women of the Beat Generation: Understanding Their Creative Role in a Male Dominant Sphere

Misty Anaya '13 — My Type 2

Rachel Perry '13 — Sex Differences in the Role of Alexithymia and Emotional Expressivity In Disordered Eating

COLLEGE HONORS

9:00 a.m. – 5:00 p.m. Hogan 401

9:00 a.m.
Jon Stepsis '13 — A Study Of The Effects of Networking On Career Prospects

9:30 a.m.
Adriana Sarni '13 — Rational Agency and the Foundation of Morality

Friday, 26 April

COLLEGE HONORS CONT.

10:00 a.m.
Caroline Voldstad '13 — A Poetic Exploration of Hindu and Buddhist Tantra

10:30 a.m.
Haley O'Brien '13 — The Tata Group and Indian Nationalism: One Business's Effect on the Shaping of Contemporary Indian Politics

11:00 a.m.
Kathryn DeFusco '13 — A Historical Diagnosis: Threats to Women's Health in Late Nineteenth Century America

11:30 a.m.
Luke Sullivan '13 — Man Up: Representing Masculinity in Contemporary British Fiction and Film

2:30 p.m.
Christopher Shugrue '13 — Molecular Recognition Using Hydrogen Bonding Catalysis: The Effectiveness of Thiourea Derivatives in Stereoselective and Regioselective Synthesis

3:00 p.m.
Suzanne Crifo '13 — An Investigation into the Mathematical Concepts Present in Musical Compositions

3:30 p.m.
Andrew Biedlingmaier '13 — Reconstructing the Dodo: Modeling Hindlimb Locomotion in *Raphus cucullatus*

4:00 p.m.
Nathan Guevremont '13 — Determining the Cause of Primacy Effects in Memory

4:30 p.m.
Matthew Angiolillo '13 — An Epic Tradition Expanded and Condensed: The Structure and Purpose of Silius Italicus' Italian Catalogue

ENGLISH

10:30 a.m. – 2:45 p.m. Hogan 304(5)

Honors Panel:

10:30 – 11:15 a.m.

Sheila Coursey '13 — The Things They Carried: Object Agency and National Crisis in *Morte D'Arthur* and *Moby Dick*

Theresa Rusnak '13 — The Relationship of Fortune in Geoffrey Chaucer's *Troilus and Criseyde*

11:30 a.m. – 12:30 p.m

Katie Guandalini '13 — Charlotte Bronte's Narrators: Evident Disguise in *Shirley* and *Villette*

Friday, 26 April

ENGLISH CONT.

Rebecca Castellani '13 — The Masks of T.S. Eliot and Bob Dylan

Michele Grenier '13 — Natural Space and Female Authorship in George Eliot's Early Works

2:00 – 2:45 p.m.

Kaitlin Hanley '13 — Beyond Embrace

Egan Millard '13 — The Paraclete

ENGLISH SIGMA TAU DELTA INDUCTION

3:30 – 4:15 p.m. Hogan 304(5)

Sara Bovat '14
Kathleen Brekka '13
Kelly Casey '13
Rebecca Jane Castellani '13
Alexandria Catherall '14
Kara Ann Donovan '13
Kathleen Marie Fegan '13
Elizabeth Grace Frogale '13
Sean Hagan '14
Deirdre Koenen '14
William Krauss '14
Alaia Karina O'Friel '14
Chase Padusniak '15

LATIN AMERICAN AND LATINO STUDIES

10:30 a.m. – 12:30 p.m. Hogan 406(7)

William J. O'Brien '13 — Vivir Mejor versus Vivir Bien: The Ethics of Sustainable Living in the Andes

Cynthia Rivas '13 — Judgement and Prejudice among Mangú and Mofongo/Juicio y Prejuicio entre Mangú y Mofongo

Guadalupe Quijada '13 — Reflexiones sobre el Ser Latina en Holy Cross

Nwachalu Ekpecham '13 — An Examination of "Ekpe": Viewing Symbolism Through a Multicultural Context

STUDIES IN WORLD LITERATURES

11:00 a.m. – 12:50 p.m Stein 526

Katharine Shapleigh '13 — Recitations and Regurgitations: Latin American Identity in Magical Realist and Fantastic Short Stories

Sarah Rondeau '13 — Femininity Unleashed in Film and Fiction

Andrea Sevilla '13 — Paradoxical Wisdom and the Pursuit of Happiness

Friday, 26 April

STUDIES IN WORLD LITERATURES CONT.

Kimberly Lawton '13	Erin go Bragh: A Literary Revival of Irish Nationalism
Carly Eressy '13	Exploraciones Sobrenaturales: The Challenges of Latin-American Fantastic Literature
Liam Colford '13	Reticent Repression : Hedonism and Homosexuality in Thomas Mann's *Death in Venice* and Nikolai Gogol›s *The Marriage*

CLASSICS

2:00 – 4:00 p.m. **Hogan 406(7)**

Holy Cross Manuscripts, Inscriptions and Documents Club

Panel:	**Newly Published Discoveries from the Homer Multitext Project**
Stephanie Lindeborg '13	Quire Organization of Three Unpublished Manuscripts Of the *Iliad*
Nik Churik '15	Principles of *Mise-En-Page* in the Oldest Complete Manuscript of the *Iliad*
Rebecca Musgrave '14 **Brian Clark '15**	Design and Use of Common Source Material in Two 11th-Century Manuscripts
Thomas Arralde '13	Aristarchus in the *Scholia* of the Venetus A Manuscript

Recent Work from the Holy Cross Manuscripts, Inscriptions and Documents Club

Chris Ryan '16 **Adam Sykura '15**	New Observations on the Design of the Upsilon 1.1 Manuscript
Melissa Luttman '15 **Alexander Simrell '16**	New Observations on the Venetus B Manuscript
Christine Bannan '14 **Michael Roberts '13**	The Athenian Tribute Assessment System as Seen in the Epigraphic Record
Andrew Boudon '15 **Rebecca Finnegan '15**	An Unrecognized Source for the Works of Archimedes: Codex Bodmer 8

Friday, 26 April

HISTORY

2:00 – 5:00 p.m. **Hogan 328**

Paul Fontello '13 Fanfare for the Common Men: The American Cultural Politics of Aaron Copland and Leonard Bernstein in the Mid-Twentieth Century

Margaret Mackinson '13 Margaret Fuller: the Forgotten Feminist?

Malik Neal '13 Out of Many, One? The New Deal Coalition, Race, and Politics in the City of Brotherly Love

American Antiquarian Society Roundtable

Seminar Participants:

Bridget Bowman '13
Colleen Bowman '13
James Cavanagh '13
Colleen Murphy '13

Catherine R. Broadbent '13 From Paris to New York: Cultivation of the American Fashion Industry from 1910 to 1960

Katherine DeFusco '13 A Historical Diagnosis: Threats to Women's Health in Late Nineteenth Century America

Matthew Bailey '13 Building and Conserving English Medieval Fortification

SOCIOLOGY/ANTHROPOLOGY

3:00 – 5:30 p.m. **Hogan 320**

Sociology Honors:

Kate Bradway '13 "Don't Be Trying to Box Folks In": Older Women and Sexuality

Katie Chobanian '13 The Missing Voice in the Epidemic: Pediatric HIV/AIDS Experiences in Dar es Salaam, Tanzania

Elizabeth McManus '13 Suicide in the Wake of Disaster: An Analysis of Social Integration Before and After Natural, Technological, and Natech Disasters.

Anthropology Honors:

Frank Barbiero '13 Collaborative Healthcare Redefined: The Role of Non-Medically Educated Employees in Patients' Illness Experiences

Friday, 26 April

SOCIOLOGY/ANTHROPOLOGY CONT.

Hana Carey '13 — Arts & Crafts: Unstable Categories in the Anthropology of Art

CHEMISTRY

3:00 – 4:30 p.m. Smith Labs 154

3:00 p.m.
Jennifer Pusztay '13 — Splicing of a Non-Canonical Class Three Intein from *Clostridium thermocellum*

3:15 p.m.
Sarah Cahn '14 — Analysis of the Structure and Activity of Hedgehog Domains and Inteins

3:30 p.m.
Laura Urbanski '13 — Peptide Bond Cleavage Adjacent to Asparagine or Glutamine

3:45 p.m.
Daniel Arnold '14 — Beta-Lactone Organocatalysis

4:00 p.m.
Sarah Neville '14 — N-Me-Cysteine Peptidomimetics

3:00 – 4:00 p.m. Smith Labs 155

3:00 p.m.
Catherine Roy '13 — Structural Changes in Poly-L-lysine

3:15 p.m.
Jack O'Connor '13 — Optimization of COW Alignment Algorithm Parameters for PCA of FAMEs in Biodiesel Fuels

3:30 p.m.
Jeremy Stewart '14 — Beta Sheet Formation in Short Alanine-Based Peptides

3:00 – 4:00 p.m. Haberlin 219

3:00 p.m.
Sarah DiNapoli '14 — Synthesis of Diaminoalcohol Complexes from 1,3-diaminopropane

3:15 p.m.
Catherine Bogdanowicz '14 — Novel Rhenium Diimine Complexes

3:30 p.m.
Catherine Caracciolo '14 — Novel Applications of Rhenium Diimine Compounds

3:45 p.m.
Brian Power '13 — Electrocatalytically Active Platinum Nanoparticles

Friday, 26 April

CHEMISTRY CONT.

3:00 – 4:15 p.m. **Swords 321**

3:00 p.m.
Joseph Kramkowski '14 Studies Towards the Synthesis of the Core of the Aspidosperma Alkaloids

3:15 p.m.
Randolph Escobar '13 Synthetic Studies on Sorangicin A

3:30 p.m.
Kyle Coppola '14 Catalytic Phosphorylation of Diols

3:45 p.m.
Kelsey Poremba '14 Development of an Efficient Method for the Synthesis of the c-Terminal Fragment of Peptide Isosteres

4:00 p.m.
Kaylie Gage '14 Synthesis of the Symmetric Core of Cis-Sylvaticin

ECONOMICS HONORS

3:30 – 5:00 p.m. **Hogan 403**

Mariah Napolitano '13 Social Security and Insurance

Jeffrey Paadre '13 Clutch Strokes Under Pressure?

Megan Quinn '13 Hidden Fees and Search Costs

FRENCH PI DELTA PHI INDUCTION

4:00 – 5:00 p.m. **Stein 526**

Lambda Beta Chapter: 2013 Induction

***Alexandra Constantine '14**
***Jessica DeVito '14**
Emma Huggard '14
Katherine Manansala '15
***Lily Meehan '14**
***Barbara Silva '14**
Olivia Vanni '13
***Kristina Kutsukos '14**

***Currently studying in France**

MUSIC

6:00 p.m. **Brooks Concert Hall**

Senior Recital **Patrick Chiarolanzio '13**

Saturday, 27 April

COLLEGE HONORS

10:00 a.m. – 4:30 p.m. Hogan 401

10:00 a.m.	
Malik Neal '13	Out of Many, One? The New Deal Coalition, Race, and Politics in the City of Brotherly Love
11:30 a.m.	
Jimmy Simmons '13	Let My People Go? The Complex History of Slavery and the American Catholic Church
12:00 p.m.	
Kevin Wall '13	Health Literacy and Its Role in the Recovery from Drug Addiction
12:30 p.m.	
Lauren Kuehn '13	Citizenship Reform in Germany: The Effects on Immigrants' Political Integration and the Political Identity of "New Germans"
1:00 p.m.	
Danny DeConinck '13	American Political Media Bias: Past, Present, and Prospects for the Future
1:30 p.m.	
Jonathan Ye '13	The Role of Syndecan-1 and the Microenvironment in Breast Cancer Tumorigenesis
2:00 p.m.	
Kelly Casey '13	An Analysis of Legislative and NGO Responses to Human Trafficking: Advocating for a Human Rights-Based Approach
2:30 p.m.	
Brigit Quirk '13	Warring With Images
3:00 p.m.	
Kelsey Russell '13	Catholic and Feminist: Two Case Studies in Negotiating Identities
3:30 p.m.	
Mariah Napolitano '13	Social Security & Insurance
4:00 p.m.	
Christine Freije '13	It's Only Human: A Defense of Theatre's Necessity

CHEMISTRY

April 19, 2013

3:00 – 4:15 p.m. Smith Labs 154

3:00 p.m.
Christopher Shugrue '13 — Molecular Recognition Using Hydrogen Bonding Catalysis: The Effectiveness of Thiourea Derivatives in Stereoselective and Regioselective Synthesis

3:15 p.m.
Stephen Hahneman '13 — Synthesis of Primary Protected Amides

3:30 p.m.
Kathryn Colelli '13 — The Role of an Extended Beta-Sheet in Stabilizing the Structure of a Thermophilic Intein

3:40 p.m.
Michael Nicastri '13 — Conditional Protein Splicing via Disulfide Bond Formation

4:00 p.m.
Jennie Williams '13 — Structural Analysis of an Intein from an Extreme Thermophile

3:00 – 4:00 p.m. Smith Labs 155

3:00 p.m.
Dorisanne Ragon '13 — Comparison of GC Stationary Phases for the Separation of FAMEs in Biodiesel Fuels

3:15 p.m.
Julian Goding '14 — Separation and Chemometric Analysis of FAMEs in Biodiesel Fuels

3:30 p.m.
Stephanie Craig '13 — Investigating Diatomic Carbon in Laser Induced Carbon Plasmas

3:45 p.m.
Chris Malfitano '13 — Quantitative Analysis of Heavy Metal Contaminants in River Sediments using LIBS

3:00 – 4:15 p.m. Haberlin 219

3:00 p.m.
Courtney Downes '13 — Synthesis of Novel Diaminoalcohols

3:15 p.m.
Kevin Turner '13 — Synthesis of Novel Thiophene/Ammine Ligands for Metallopolymer Materials

3:30 p.m.
Matt Zielinski '13 — Synthesis and Electrochemistry of Thiophene Complexes

CHEMISTRY CONT.

3:45 p.m.
Calvin Luu '13 — The First Organometallic Rhenium Nacnac Complexes

4:00 p.m.
Dean Karos '13 — Molecular Monolayers on Nanoporous Gold for Electrochemical Sensing

3:00 – 4:15 p.m. **Swords 321**

3:00 p.m.
Jeffrey Thode '13 — Synthetic Studies on Sorangicin A

3:15 p.m.
Nicole Passa '13 — Copper-Catalyzed Multicomponent Reactions of Keteneimines

3:30 p.m.
Emily Allen '13 — Catalytic Phosphorylation: Diverse Protecting Groups and Alcohols

3:45 p.m.
Kyle Pedretty '13 — Phosphorylation of Functionalized Alcohols using a Lewis Acid Catalyst

4:00 p.m.
Caroline Stanners '13 — Synthesis of the Symmetric Core of Cis-Sylvaticin

BIOCHEMISTRY

May 2, 2013 **O'Neil 112**

3:30 – 6:00 p.m.

3:30 p.m. — **Introduction**

3:35 p.m.
Kathryn Colelli '13 — The Role of an Extended Beta-sheet in Stabilizing the Structure of a Thermophilic Intein

3:50 p.m.
Jennifer Pusztay '13 — Splicing of a Non-Canonical Class Three Intein from *Clostridium Thermocellum*

4:05 p.m.
Laura Urbanski '13 — Peptide Bond Cleavage Adjacent to Asparagine or Glutamine

BIOCHEMISTRY CONT.

4:20 p.m.
Allegra Parrillo '13 — Three-Dimensional Polydimethylsiloxane (PDMS) Scaffolds for *In Vitro* Study of Human Fibroblasts

4:30 p.m. — **Break**

4:50 p.m.
Jeffrey Thode '13 — Synthetic Studies on Sorangicin A

5:05 p.m.
Samantha Ziegler '13 — Molecular Analyses of Electronically Conductive Pili in *Geobacter Sulfurreducens*

5:20 p.m.
Michael Nicastri '13 — Conditional Protein Splicing Via Disulfide Bond Formation

5:35 p.m.
Matthew Guido '13 — Generating Novel Mutations in the NOMPC Gene

GERMAN

May 7, 2013

Annie Helmkamp '13 — Von Biologie zu Deutsch: die unerwartete Umstellung

Lauren Kuehn '13 — Deutsch als Hauptfach: Mehr als eine Förmlichkeit und ein Studium