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Academic Conference 2014

Welcome to the **Holy Cross Academic Conference 2014** 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's 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. Suzanne Kirschner (Scholar Programs), Loren Cass and Susan Cunningham (CIS), 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 Tom Parsons and Sharon Matys (Graphic Arts), Chip O'Connor, Suzanne Sousa and Elizabeth Rice (Conference Services), Kevin O'Loughlin (Hogan Dining Services), and Jesse Anderson (Audio-Visual) for their long hours, attention to detail, and technical support in putting together this event. A special thanks to Prof. Lynn Kremer and ATB@HC board of advisors for making the opening concert/reception a reality. 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!

Ronald M. Jarret
Associate Dean of the College



Arts Transcending Borders (ATB@HC)

Wednesday, April 23, 2014
Concert and reception
Hogan Ballroom • 4:30–6pm

Cristina Pato and the Migrations Band

"Migrations is purely and simply the result of years of searching for my own voice and my place as an artist. It is the synthesis of my classical training, my visceral connection to Galician popular music and my career in world music. Migration is a concept closely related to my culture, my family and my life. The idea of objects and people finding their space in another place without losing their identity serves here as the metaphor of my own way of finding a musical language that would honor my roots, my instincts, my education and the beautiful things I have learned from other artists in my personal journal. My personal and musical migration and all the things that migrating have constantly changed the path I was supposed to follow and made me create my own way." Cristina Pato

""Migrations," with its suggestion of an itinerant and even mongrelized cultural legacy, sets the stage nicely for her: it's an album suffused with awareness of tradition but breezy about its debts." The New York Times.

Wednesday, 23 April

STUDIO ARTS

Senior Minor Opening | **6:00 p.m.–7:30 p.m.** | **SAS Gallery Hogan 1**

Nicole Beavers '14
Lauren Buckley '14
Katelyn Candee '14
Liann Devereux '14
Christin DiScipio '14
Maureen Dougherty '14
Michela Griffin '14
Francheska Jimenez '14
Leo Kennedy '14
Madeleine Klett '14
Elizabeth Leahy '14
Katherine Marrone '14
Julia Midland '14
Emily Quinn '14
Margaret Reichenbach '14
Brianna Stowe '14
Maya Welch '14
Karlyn Whipple '14

CHAMBER ORCHESTRA CONCERT

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

Violin
Julia Baker '17
Abby DeNorscia '17
Nichole Eckrich '16
Stephanie LaFollette '15
Joe MacNeill '16

Viola
Gini Peck-Phillips '17
Brendan Prast '14
Melody Waulk '17

Flute
Lauren Gerberich '16

Contrabass
Will Peterson '17

Violin
Danielle Madkour '16
Jill Michelhaugh '16
Marena Elle Minelli '17
Nicole Tan '15
Gen Tsudaka '17

Violoncelli
Sean Creuss '17
Sam Habein '17
Ryan Walsh '16
Matt Wasser '15

Clarinet
Ian Tamborini '17

Bassoon
Michaela Caporello '16

Trumpet
Joe Dalton '15

Thursday, 24 April

PEACE AND CONFLICT STUDIES

9:00 a.m.–11:00 a.m. Hogan 403

John Castro '14	The Rise of Islamic Extremism in Yemen and Options for U.S. Counterterrorism Strategy
Deborah Sokolowski '14	Augustan Imagery in Mussolini's Rome: The Bimilleniary Celebrations of 1937-1938
Emily Ford '14	Human Trafficking Within the United States
Emily Vyse '14	What Works for Worcester: Striving for Student Achievement with School Autonomy

COLLEGE HONORS

9:30 a.m.–4:30 p.m. Hogan 401

9:30 a.m.	
Matthew King '14	Liberation of the Papacy
10:00 a.m.	
Jeanne Kiernan '14	Demand for Dental Care Among Low-Income Children
10:30 a.m.	
Thomas Santa Maria '14	Caravaggio and Bellarmino: Painting and Preaching for a Post-Tridentine Paideia
11:00 a.m.	
Vera Grek '14	Spain's Ever-Changing Political Landscape and its Relationship with Popular Music
11:30 a.m.	
John Macomber '14	Occidentalism without Abstraction: How Historical Events Shaped Occidentalism in the Arab World
1:30 p.m.	
Ryan O'Keefe '14	Temporal Sequence of Stress-Induced Changes in Mouse Behavior and Physiology
2:00 p.m.	
John Dobbins '14	Buying the Same Horse Twice: The US Embassy in Moscow, 1944-45
3:00 p.m.	
Natalya Krykova '14	Applying the Health Belief Model and Nutrition Knowledge to Understanding How College Students Make Food Choices

Thursday, 24 April

COLLEGE HONORS cont.

3:30 p.m.
Katrina Burns '14 — The Velocity of Hopelessness: Keats and his Successors

4:00 p.m.
Sara Bovat '14 — Behind the Blood Rush: George Eliot's Women and their Shameful Delight in Vocation

MULTIDISCIPLINARY MAJORS AND MINORS

9:30 a.m.–5:00 p.m. Hogan 408(9)

9:30 a.m.
David Conde-Battaglia '14 — Afghan Exit Strategy

10:00 a.m.
Paula Le '14 — European Trade Political Economy

11:00 a.m.
Adrienne Anderson '14 — Emotional Insights of People with Chronic Invisible Illness

11:30 a.m.
Thomas Campbell '14 — Holy Cross Integrated Arts Complex Design Proposal

1:00 p.m.
Eileen McGowan '14 — Roadblocks to Vaccination and Drug Therapy Worldwide

2:00 p.m.
William FitzMaurice '14 — Scenography for a Modern Musical

2:30 p.m.
Emily Sullivan '14 — Thermal Energy Conservation Campaign: Encouraging Pro-Environmental Behavior at Holy Cross

3:00 p.m.
Charlotte LaGuardia '14 — Using American Sign Language to Increase English Vocabulary Acquisition in Immigrant Students with Limited or Interrupted Education

3:30 p.m.
Abigail Norbert '14 — Products of International NGO involvement in Sub-Saharan Africa

Thursday, 24 April

MULTIDISCIPLINARY MAJORS AND MINORS cont.

4:00 p.m.

Emanuel Mendoza '14 — Informal Economies of War: Conflict Minerals and the DRC

4:30 p.m.

Alexandra Fairchok '14 — Human Trafficking: How Formal Public Policy Can Impact Informal Markets and Public Health Outcomes

STUDY ABROAD

10:00 a.m.–12:00 p.m. Hogan 320

Lauren Hammer '14 — Following the Steps of St. Ignatius of Loyola: The Camino Ignaciano Pilgrimage

Lily Meehan '14 — Behind the Gallery Walls: My Year Interning for a National Art Museum in Dijon, France

Nathalie Spina '14 — Porteños Paint the Town: A Nontraditional Form of Unification

Alisha Thompson '14 — Discovering the Meaning of Solidarity in *Las Nubes*

Kristina Kutsukos '14 — *La route du vin*: An American's Journey through the Wines of Alsace

STUDIO ARTS

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

Carmen Alvarez '14
Lauren Carlo '14
Elisa Jimenez '14
Mavinee LaCroix '14
Bang Luu '14
Kimberly Mejia '14
John Noonan '14
Regina Viqueira '14

RELIGIOUS STUDIES THETA ALPHA KAPPA INDUCTION

12:00 p.m.–2:30 p.m. Hogan Suite A

Lauren Hammer '14
Matthew King '14
Kristina Kutsukos '14
Samuel McGrath '14
Catherine Mikula '14
Barbara Silva '14
Nicholas Barresi '15
Benjamin Schweitzer '15
Zara Surratt '15

Thursday, 24 April

COMMUNITY BASED LEARNING

12:30 p.m.–2:30 p.m. Hogan 304(5)

SPAN 304: Aspects of Spanish American Culture, Prof. Bridget Franco

12:35 p.m.

Meighan Grady '17
Fiorella Johnson '15
Allison Mahoney '17
Emma Turi '16

Bringing Aspects of Dominican Merengue to the Worcester Community

12:45 p.m.

Audrey Adam FLA
Mackenzie Arndt '15
Zulma Chavez '16
Elizabeth Knuff '15

Mexican Music and Reflections with the Latino Elders

12:55 p.m.

Olivia Benzan-Daniel '14
Patrick Buscone '17
Robert Santariello Jr. '16
Jennifer Vera '16

A Dialogue with the Latino Elders about Sports in Latin America

POLS 299: Humanitarianism, Prof. Denis Kennedy

1:10 p.m.

Paula Cunanan '14
Chelsea Hogan '14

Country Conditions Research: Sudan/South Sudan

1:20 p.m.

Siobhan Murphy '16

Country Conditions Research: Syria

1:30 p.m.

Dan McGrath '13
Kathryn Servizio '16

Country Conditions Research: El Salvador

CISS 299: Community Engagement & Social Responsibility, Michelle Sterk Barrett

1:50 p.m.

Jacob Medina '16
Jenny Sipiora '15

Real Community Engagement, Real Issues: Refugees & Immigration

Thursday, 24 April

AFRICANA STUDIES

2:00 p.m.–3:00 p.m. **Hogan 403**

Michael Barry '14	Sincerity: From X to El Shabazz
Lindsay MacPhail '14	Wangari Maathai and the Green Belt Movement
Quinesha Tillman '14	What Purpose Did the Afro Serve?

POLITICAL SCIENCE

3:30 p.m.–5:30 p.m. **Hogan 304(5)**

Paul Hovey '14	Recall and American Constitutionalism

POLITICAL SCIENCE PI SIGMA ALPHA INDUCTION

3:30 p.m.–5:30 p.m. **Hogan 304(5)**

Garret P. Beaulieu '15
Julianne Bozzo '15
Alanna R. Downing '15
Matthew Peter Dunn '15
Timothy J. Farrell '15
Christine Fimognari '15
John H. Green '15
Sean C. Hagan '14
Makayla Humphrey '15
Patrick Kerr '15
Mercy Paola Lara '15
Gina Kathleen Maffucci '15
Abigail Marjollet '14
John Morton '15
Matthew Muilenburg '15
Cindy T. Nguyen '15
Jazmyn Reid '15
Bridget Schirripa '14
Leila Souhail '15
Andrea Thompson '15
Margaux F. Will '15
Rebecca S. Zangari '15

ENGLISH

3:30 p.m.–5:30 p.m. **Hogan 406(7)**

Celebration of Creative Writing Concentrators

Thursday, 24 April

ANTHROPOLOGY

3:30 p.m.–6:00 p.m. Hogan 320

Ethnographic Field Methods

Stephanie Spadoni '14	The Lounge: A Constructed Social Space
Jake Keller '14	The Ability of Sport to Transcend
Henry Van Damme '14	Privilege, Inequality, and Hard Work on a Men's Rowing Team
Maddie Parisi '14	Mental and Physical Health of Student Athletes at Holy Cross
Max Pettinelli '14	A Life of Working for Others
Jillian Caffrey '14	Sisterly Support: The Impact of the Big Brothers Big Sisters Program on Girls
Sarah Muccini '14	Social, Socio-Economic and Cultural Stigma: Factors that Affect Adults with Disabilities in Worcester
Emely Ventura '14	Undocumented and Documented Immigrants

BIOCHEMISTRY

4:00 p.m.–5:00 p.m. O'Neil 112

Sarah DiNapoli '14	Synthesis of Novel Multi-Dentate Ligands
Alex Marino '14	Assessing the Effect of Heparan Sulfation on Cellular Proliferation
Garrett Peck '14	Analysis of Cytotoxicity and Transfection Efficiency of Novel Transfection Reagents

ART HISTORY

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

Julia Jesielowski '17	Colonial Industry: Ralph Earl's *Looking East from Denny Hill*, 1800
Katrina Morris '17	Closeness in the Kingdom: Edward Hick's *Peaceable Kingdom*, 1833
Robbie Carter '17	The Landscape of Empire: Albert Bierstadt's *Yosemite Falls*, 1865

Thursday, 24 April

ART HISTORY cont.

Jacob Comment '16 **Samantha DeCoste '14** **Michael Lodato '14**	Reconstructing the Arch of Constantine
David Wassef '16	Art of Africa & the Americas at Boston's MFA
Ross Davies '14	The Medieval Mediterranean in the Museum
Patrick Loftus '15	Sexing Modern Architecture
Abby Luhn '14	Mary Cassatt: Pets Portrayed

SPANISH SIGMA DELTA PI INDUCTION

4:00 p.m.–8:00 p.m. Hogan Suite B/C

Holy Cross chapter Omicron Epsilon of Sigma Delta Pi, the National Collegiate Hispanic Honor Society, honors its members for 2014:

Gabriella Betances '14
Katrina Burns '14
Kyler Canastra '14
Esthefany Cepeda '14
Erin Cornell '14
Jessica Dodakian '14
Nicholas Fasano '14
Laura Fontaine '14
Norma Gomez '14
Vera Grek '14
Lauren Hammer '14
Seton Harnett '14
Hunter Loring '14
Hannah McCormick '14
Marielle McKenna '14
Sarah Medina '14
Kelly Nedorostek '14
Eileen O'Brien '14
Katherine Riley '14
Nathalie Spina '14
Alisha Thompson '14
Trina Villanueva '15

BIOLOGICAL PSYCHOLOGY

5:30 p.m.–8:00 p.m. Smith Labs 154

Timothy P. Murphy '14 **Dan D. Luu '15** **Prof. Sarah M. Webster**	A MARCM-Based Behavioral Assay to Identify Mechanosensitive Mutations in *Drosophila Melanogaster*
Ryan O'Keefe '14 **Prof. Alo Basu**	Temporal Sequence of Stress-Induced Changes in Mouse Behavior and Physiology
Stephanie Carvalho '14 **Prof. Patricia Kramer**	Interpersonal Synchrony Varies as a Function of Mode of Communication and Level of Agreement

Thursday, 24 April

BIOLOGICAL PSYCHOLOGY cont.

Mary Oram '14
Prof. Daniel Bitran
Is the Facilitative Effect of Reboxetine on Prepulse Inhibition Mediated by an Increase in Noradrenergic Function?

Charles Jakubik '14
Prof. Daniel Bitran
Effects of Prazosin on Reboxetine-Induced Facilitation of Prepulse Inhibition in the Mouse

Kendall Presti '14
Prof. Alo Basu
Behavioral Effects of Maternal Immune Activation in Mice

Ryan Murtha '14
Prof. Gregory DiGirolamo
Testing the Limits of Control in Non-Clinical College Age Populations and in Opiate Addiction

MUSIC

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

Jazz Ensemble Concert

Saxophones
Matt Portu '15
Joe Canedo '16
Ian Tamburini '17

Trumpets
Mike Hofmann '14
Vera Grek '14
Tom Rueter '17
Anastasia Tramontozzi '16

Trombones
Joe DiSabio '16
Lydia Grek '16

Rhythm Section
Meaghan McGeary '16
Ted Smith '16
Casey Dawson '16
Luke Lauchert '16

Friday, 25 April

WOMEN'S & GENDER STUDIES

9:00 a.m.–4:00 p.m. Hogan 408(9)

9:00 a.m.–10:45 a.m.

Angela Yu '14 Unspoken Decorum: Navigating the Hill and the Corporate Ladder

Elizabeth Crowley '14 The Implications of Secondhand Clothing in the United States

Trinasia Jones '14 Claiming Bisexual Identities: A Fieldwork Account of Working-Class Black Women in Dorchester

Katherine Cattini '14 Hierarchy and Empowerment: A Feminist Analysis of Nurses' Stories

Emily Spencer '14 Girls Just Being Girls: An Investigation of Girls' Use of Relational Aggression and Cyberbullying

11:00 a.m.–12:45 p.m.

Kirstin LeMay '14 Menstruation: Women, Agency, and Everyday Experience

Sydnee Young-Brown '14 Women's Sports Uniforms and Female Athletes in the Media

Karlee Popken '14 The Unmanning and Manning of Frederick Douglass: A Look at the Creation of Frederick Douglass's Gender Performance

Kelia Maul-Vera '14 Anna Julia Cooper: Her Life Dedicated to Education for All

2:00 p.m.–4:00 p.m.

Virna Sekuj '14 The Rise of Sex-Selective Abortions and the Consequences for Women in the Developing World

Melissa Montoya '14 Women in the Roman Catholic Church: Can Women Hold Positions of Authority and Create Change in the Roman Catholic Church?

Erin Alencewicz '14 Lesbian, Gay, Bisexual and Transgender Presence in Primetime Media Is Leading Modern Social Attitudes Surrounding Gay Rights

Friday, 25 April

WOMEN'S & GENDER STUDIES cont.

Casey Leathers '14 — The Emotional Hook Up: The Hookup Culture's Emotional Impact on College Men and Women

Amber Jones '14 — Slut Politics: Sex, Violence and Anti-Rape Activism Today

CENTER FOR INTERDISCIPLINARY STUDIES

9:00 a.m.–11:00 a.m. Hogan 403
"Liberal Arts, Leadership and Social Change"

Carmen Alvarez '14
Kelly Burke '14
Henry Callegary '14
Jonathan Casseus '14
Lauren Chin '14
David Odell '14
Stephanie Okpoebo '14
Jeff Reppucci '14

COLLEGE HONORS

9:30 a.m.–4:30 p.m. Hogan 401

9:30 a.m.
Kathryn Droumbakis '14 — The Art of Time: Living and Loving as Mortals

10:00 a.m.
Katherine Riley '14 — Through the Lens of Feminist Theory and Identity Politics: A look at the Women's Movements in Argentina from Eva Perón to Las Madres de Plaza de Mayo

11:00 a.m.
Allison Matous '14 — The Relationship Between Breakdowns in Cognitive Control toward Food Cues and Eating Disorder Scales in a Non-Clinical College Population

11:30 a.m.
Lauren Hammer '14 — The Changing Face of Catholicism in Contemporary Spain: Understanding Secularization by Localizing Its Theoretical Construct

12:00 p.m.
Marielle McKenna '14 — Story-telling Is Inherently Human: A Case Study in American Deaf Culture

12:30 p.m.
Francis DeLeo '14 — Environmental Psychology: The Factors Affecting Pro-Environmental Choice

Friday, 25 April

COLLEGE HONORS cont.

1:30 p.m.
William Geddes '14 — Developing and Evaluating the Effectiveness of Interactive Demonstrations for Teaching High School Physics

2:00 p.m.
Julian Goding '14 — Chemometric Analysis of Biodiesel Fuels Using Comprehensive Two-Dimensional Gas Chromatography

2:30 p.m.
Cosmo Karalolos '14 — On the Jurisdictional and Legal Complexities of the Guantanamo Bay Detention Camp & Interrogation Facility

3:00 p.m.
Deborah Sokolowski '14 — Framing the Ancient Past: Augustan Imagery in Mussolini's Rome

3:30 p.m.
Xin Yuan '14 — Chinese Foreign Direct Investment in the United States—Another Challenge to Sino-U.S. Relations

4:00 p.m.
Christine Bannan '14 — A Reassessment of Athenian Imperial Tribute

LATIN AMERICAN AND LATINO STUDIES

10:30 a.m.–12:30 p.m. Hogan 406(7)

Nathalie Spina '14 — NGOs of Argentina: Who are They Actually Helping?

Riquel Gonzalez '14 — The Dominican Republic and Haiti: Analyzing a Post-Earthquake Relationship

Gabriella Betances '14 — Juan Pablo Duarte and Dominican National Identity in NY

Yomaira Lopez '14 — Resistance and Exile in the Dominican Republic

Alisha Thompson '14 — The Effects of Poverty and Parenting on the Oral Hygiene of Children in Pampamarca, Peru

Natalia Rivero-Fernandez '14 — Boricua en España

Friday, 25 April

ENGLISH

11:00 a.m.–3:15 p.m. Hogan 304(5)

Panel 1:	**11:00 a.m.–12:00 p.m.**
Evangelia Stefanakos '14	Our Reflective Capacity to Live: A Study of Metatheatre in William Shakespeare
Zachary Lanning '14	A Study in the Relationship Between Text and Image
Cherylann Pasha '14	Memoirs of a Pasha
Panel 2:	**12:15 p.m. - 1:15 p.m.**
Deirdre Koenen '14	Falling from Paradise: Christopher Marlowe and John Milton Articulate the Crisis of Modern Autonomy
Katrina Burns '14	The Velocity of Hopelessness: John Keats and his Successors
Quinn McCracken '14	Veins of Hard Coal
Panel 3:	**2:15 p.m.–3:15 p.m**.
Sara Bovat '14	Behind the Blood Rush: George Eliot's Women and their Shameful Delight in Vocation
Sean Hagan '14	One of Us: Masculine Constructions in Joseph Conrad's *Lord Jim*
David Perretta '14	The Real Unreal

ENGLISH SIGMA TAU DELTA INDUCTION

4:00 p.m.–5:00 p.m. Hogan 304(5)

Nina Batt '15
James Cerra '15
Evan Ciejka '15
Alexandra Connelly '15
Emily Cross '15
Frederick Doyle '15
Michael Dunbar '15
Rachel Greenberg '15
Catherine McCaffery '15
Elizabeth Miggins '15
John Morton '15
Marianne Muro '15
Victoria Piscatelli '15
Teresa Renault '15
Michael Shewchuk '15
Taylor Silva '15
Hope Tobin '15
Christopher Conley '16
Jacob Kelly '16
Hanna Shaw '16

Friday, 25 April

CLASSICS

2:00 p.m.–5:00 p.m. Hogan 403

Anne Salloom '14 — Defining excellence in Tacitus' *Histories*

Megan Whitacre '14 — Latin Epigraphy in the Classroom

Holy Cross Manuscripts, Inscriptions and Documents Club

Neil M. Curran '14
Rebecca Musgrave '14 — Multitextual Reading(s) of the *Iliad*

Alex Simrell '16
Christopher Ryan '16 — Two Scholarly Traditions: Comparing Scholia in the Venetus A and Escorial Upsilon 1.1 Manuscripts of the *Illiad*

Christine Roughan '14
Matthew Wasser '15
Melody Wauke '17 — Diagrams and Text in Manuscripts of Archimedes

Nicholas Jalbert '16
Steven Merola '16
Stephanie Neville '17
Charlie Schufreider '17 — The History of the World in Two Manuscripts of Jerome's *Chronicles*

HISTORY

2:00 p.m.–5:30 p.m. Hogan 406(7)

Danielle Breen '14 — Ireland 1641-1660: Landscapes of British Colonization and the Transformation of the Irish Catholic Elite Landholding Class

Angela Brown '14 — Voices Against Fascism: Women in the Italian Resistance, 1943-1945

Michael Barry '14 — Sincerity: From X to El-Shabazz

John Dobbins '14 — Buying the Same Horse Twice: The US Embassy in Moscow, 1944-45

Abigail Hynes-Houston '14 — McClellan and Lincoln: The Collapse of A Relationship

Cameron Hyde '14 — Reconstructing Masculinity: White Men in the Nineteenth-Century South

Friday, 25 April

HISTORY cont.

Samuel McGrath '14 — Holy Order: Calvin, the Saints, and the Genevan Community

Thomas Santa Maria '14 — Caravaggio and Bellarmino: Painting and Preaching for a Post-Tridentine Paideia

CHEMISTRY

3:00 p.m.–4:30 p.m. Smith Labs 155

3:00 p.m.
Kelly Hamner '14 — Synthetic Studies on the C1-C15 Fragment of Sorangicin A

3:10 p.m.
Justin Markowski '15 — Efforts Toward the Total Synthesis of Cis-Sylvaticin

3:20 p.m.
Victoria Lee '15 — Synthesis of the C-Terminal Fragment of Peptide Isosteres

3:30 p.m.
Joanna Chen '15 — Copper-Catalyzed Multicomponent Reactions

3:40 p.m.
Sheila Namirembe '15 — A Copper-Catalyzed Approach to the Synthesis of Indoles

3:50 p.m.
Nicholas Parsons '15 — Gold-Catalyzed Reactions of Vinyl Amines

4:00 p.m.
Amanda Fyles '15 — Synthetic Studies on the C1-C15 Fragment of Sorangicin A

4:10 p.m.
Joseph Testa '15 — Phosphorylation of Diols: Synthesis of FTY720-Phosphate

Haberlin 219

3:00 p.m.
Paul Bruce '14 — Discovery Chemistry Experiment on Vapor Pressure

3:10 p.m.
Daniel Harrington '15 — Analysis of Arsenic in Traditional and Instant Rice

Friday, 25 April

CHEMISTRY cont.

3:20 p.m.
Ryan Lai '14 — Analysis of Arsenic in Rice from Different Regions in the U.S.

3:30 p.m.
Julia Lam '15 — Concentration Dependence of Beta Sheet Formation

3:40 p.m.
Andrew Mullin '15 — Nucleating the Aggregation of Alpha-Synuclein

3:50 p.m.
Raymond Paranal '15 — Secondary and Tertiary Structural Changes in Poly-L-Lysine

Swords 209

3:00 p.m.
Michael Holvey '14 — Electrocatalytic Methanol Oxidation on Platinum Nanoparticles

3:15 p.m.
Dipna Patel '15 — Stability of Thiol Monlayers on Nanoporous Gold

3:25 p.m.
Stephanie Tsui '15 — Aqueous Synthesis of a Rhenium Dithiocarbamate Compound

3:35 p.m.
Jack Ayers '14 — Rhenium Compounds with Hydrazine Imine Ligands

3:45 p.m.
Daniel Bullock '14 — Rhenium Ferrozine Chemistry

PHILOSOPHY

3:00 p.m.–5:30 p.m. Smith Hall 501

Sean Gleason '14 — Schelling and the Unconscious (Non)Ground of Self-Consciousness

Neema Hakim '14 — Humanizing the Social Sciences

Michael Lodato '14 — Language and World: Wittgenstein's *Tractatus* and the Elucidation of Metaphysics

Benjamin Oxford '14 — Eschatology of Intimation: A Re-Evaluation of Time in Schelling's *Ages of the World* and T.S. Eliot's *Four Quartets*

Friday, 25 April

SOCIOLOGY/ANTHROPOLOGY

3:00 p.m.–5:30 p.m. Hogan 320

Sociology-Independent Study

Esthephannie Estevez '14 — We Are More Advanced: Conceptions of Latin America after Study Abroad

Sociology and Anthropology Department Honors

Sociology Majors

Kyle Carr '14 — "Tackling the MonSter" Coping Mechanism and Quality of Life for Patients Diagnosed with Multiple Sclerosis

Kristina Militar '14 — Cosmetic Surgery and the Asian Face

Virna Sekuj '14 — Sex-Selection and Women in the Developing World

Anthropology Major

Martha Walters '14 — Rethinking Organic Farms

ECONOMICS HONORS

3:30 p.m.–5:00 p.m. Hogan 328

Greg Joyce '14 — Power in Numbers: Examining the Influence of Political Majorities on Growth within the United States

Christopher Gillis '14 — Great Expectations: Parental Investment in Adult Children for Informal Long Term Care

Anthony Spagnoletti '14 — Is the Punishment Fitting the Crime? Analyzing the On-Field Impact of NCAA Sanctions in College Football

FRENCH PI DELTA PHI INDUCTION

4:00 p.m.–5:00 p.m. Stein 526

Lambda Beta Chapter: 2014 Induction

Alexandra Constantine '14
Colleen Curtin '14
Jessica DeVito '14
Kristina Kutsukos '14
Lily Meehan '14
Barbara Silva '14

Friday, 25 April

STUDIO ARTS

"Alter-Ego"
Senior Major Opening Reception

5:00 p.m.–6:30 p.m.

Cantor Art Gallery

Carmen Alvarez '14
Lauren Carlo '14
Elisa Jimenez '14
Mavinee LaCroix '14
Bang Luu '14
Kimberly Mejia '14
John Noonan '14
Regina Viqueira '14

Saturday, 26 April

COLLEGE HONORS

10:00 a.m.–4:00 p.m. Hogan 401

10:00 a.m.
Elizabeth Tobey '14 — A Comparative Analysis of Acute Exposure to 17β-estradiol: Effects on the Development and Growth of Sea Urchin Larvae

10:30 a.m.
Meiling May '14 — Characterizing the Antiviral Function of APOBEC3G as a Potential Target for HIV-1 Therapeutics

11:00 a.m.
Christopher Brosnan '14 — CEOs or Directors: Who is Behind the Fraud?

11:30 a.m.
Amanda Osowski '14 — The Mandate of Law: Reconciling Individual Freedom and Social Order

12:00 p.m.
Joseph Kramkowski '14 — Studies toward the synthesis of Lycorane and Aspidosperma Alkaloids

12:30 p.m.
David Perretta '14 — The Real Unreal

2:00 p.m.
Laura Polacek '14 — Emerging Adulthood: A Critical Exploration

2:30 p.m.
Andrew Marzo '14 — Innovation Production in the Presence of Networks

3:00 p.m.
Kevin Blanchette '14 — Simulating the Collapse of Quantum Wave Functions

EDUCATION

1:00 p.m.–2:00 p.m. Hogan 408/(9)

Charlotte LaGuardia '14 — Using American Sign Language to Increase English Vocabulary Acquisition in Immigrant Students with Limited or Interrupted Education

Chantel Barbosa Alvees '14 — Arts and Education in Worcester Public Schools

Friday, 11 April

CHEMISTRY

Smith Labs 155

Sarah Neville '14	Modifications to Minimize Beta-Sheet Aggregation
Sarah Cahn '14	Selecting for New Intein Activities by Directed Evolution
Daniel Haley '14	Structural Studies of a Thermophilic Intein
Mario Jaramillo '15	Protein Splicing of Inteins from Archaeal Extremophiles
Nicolle Siegart '15	Protein Splicing of Inteins from *Pyrococcus*
Eric Nguyen '15	Understanding the Mechanism of Nitroketone Acyl Shifts
Daniel Arnold '14	Organocatalytic Control of Lactone Opening
Thuy Uong '15	Rigid Beta-Sheet Mimics
Zachary Giaccone '15	Cyclization of Aspargine Coupled to Peptide Bond Cleavage

Swords 209

Mary Pat Connolly '14	Classification of Feedstock Source in Biodiesel-Diesel Blends
Mariel Flood '14	Separation and Chemometric Analysis of FAMEs in Biodiesel Blends
Julian Goding '14	Chemometric Analysis of Biodiesel Fuels using Comprehensive GCxGC-MS
Kenneth O'Connor '14	Effect of Crowding Agents on Peptide Aggregation
Jeremy Stewart '14	Beta Sheet Formation in Alanine Based Peptides

Swords 321

Jacob Bass '14	Rhenium Imino Carboxylate Compounds
Catherine Bogdanowicz '14	New Rhenium Imine Compounds
Sarah DiNapoli '14	Synthesis of Novel Multi-Dentate Ligands

Friday, 11 April

CHEMISTRY cont.

Gerard Kerins '14 — Elucidation of the Extent of Back-Bonding Across a Series of Re(I) Complexes

Jeffrey Kirpas '14 — A Study of Mannich Condensations with Diamines

Haberlin 219

Joseph Kramkowski '14 — Efforts towards the Synthesis of the Tricyclic Core of the Aspidosperma Alkaloids

William Dowling '14 — Synthetic Studies on the C1-C15 Fragment of Sorangicin A

Kaylie Gage '14 — Synthesis of the Symmetric Bis(Tetrahydrofuran) Core of Cis-Sylvaticin

Mary Maliszewski '14 — Efforts toward the Total Synthesis of Cis-Sylvaticin

Kyle Coppola '14 — Phosphorylation of Diols: Synthesis of FTY720-phosphate

Kelsey Poremba '14 — Synthesis of the C-terminal Fragment of Peptide Isosteres

Tuesday, 6 May

UNDERGRADUATE RESEARCH SYMPOSIUM

Biology, Biochemistry, Biological Psychology Concentrations

9:30 a.m.–11:30 a.m. Hogan 401

Students will present their research in the form of posters.

Wednesday, 7 May

GERMAN

"Maifest"
12:00 p.m.–1:00 p.m. Stein 526

Kyle Johnson '14 The 'Wurst' and Best of my Summer in Germany

GERMAN DELTA PHI ALPHA INDUCTION

12:00 p.m.–1:00 p.m. Stein 526

Sean Gleason '14
Emma Mulvaney '14
Megan Whitacre '14
Amanda Crowley '15
Patrick Toolan '15
Jackson Andersen '16
Karina Camargo '16
Joseph Dudley '16
Taylor Gull '16
Catherine Hill '16
Christopher Keating '16
Madison Keller '16
Edward Kirwan '16
Lauren Reidy '16
Adam Sliwowski '16
Castan Sommer '16