



April 27-30

*Academic
Conference*

TWO THOUSAND SIXTEEN

Welcome to the **Holy Cross Academic Conference 2016** sponsored by the Office of the Vice President for Academic Affairs and Dean of the College. This annual event is a celebration of 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 Professors Suzanne Kirschner (Scholar Programs) 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 the academic administrative assistants, Tom Parsons and Sharon Matys (Graphic Arts), Chip O'Connor, Suzanne Sousa and Elizabeth Rice (Conference Services), Kevin O'Loughlin and Kate Massad (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 Professor Lynn Kremer, Yonca Karakilic, and ATB@HC board of advisors for making a reality the performance on Friday evening. Finally deep gratitude is extended to our office coordinator, Molly Brown, 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 stage to prepare for these presentations. Congratulations to all!

Enjoy!

Ronald M. Jarret
Associate Dean of the College

A Jookin' Jam Session

with Lil Buck,

Cristina Pato

& Friends

*Hogan Oval
April 29, 2016, 8 PM*

Free and open to the general public.

*In the event of inclement weather,
the performance will be held in the
Main Reading Room, Dinand Library*

The College's Become More: Campaign for the Future of Holy Cross kicks off with an evening of celebration headlined by the international jookin' phenomenon Lil Buck, who came to international attention when ballet star turned director Damian Woetzel paired the young dancer with cellist Yo-Yo Ma. The performance, captured on video by Spike Jonze, went viral, with over 3 million views to date. Lil Buck has gone on to perform with New York City Ballet and in Cirque du Soleil's Michael Jackson: One, the Spike Jonze film Her, Benjamin Millepied's NOWNESS videos. In the latest of a series of unique performances created by Damian Woetzel, Lil Buck is joined by a stellar cast of musicians, marking the welcome return of Fall '15 ATB artist-in-residence, Galician gaita player Cristina Pato.

Co-sponsored with the Office of Advancement and in conjunction with the 2016 Academic Conference



Charles ‘Lil Buck’ Riley

..... *Lil Buck began jookin’ – a street dance that originated in Memphis – at age 13.*



After receiving early hip-hop training from Terran Gary, and ballet training on scholarship at the New Ballet Ensemble, he performed and choreographed in Memphis until relocating to Los Angeles in 2009. In 2011, Damian Woetzel paired Lil Buck with world renowned cellist Yo-Yo Ma to perform a rendition of Saint-Saens’ “The Swan” at an event in Los Angeles. The performance was captured in a video by Spike Jonze and went viral, garnering over 3 million views to date. That success opened the door to future collaborations with a broad range of renowned artists, from Janelle Monae to JR, to the New York City Ballet and Madonna. Lil Buck was the 2011 artist-in-residence at the Vail International Dance Festival and also served as an artistic ambassador alongside Yo-Yo Ma at the U.S.-China Forum on the Arts and Culture in Beijing that same year. In 2013, among other performances he starred in the award-winning show, *Lil Buck @ (le) Poisson Rouge*, which was directed by Woetzel and featured Ma and an assortment of international musicians. Lil Buck has performed on *The Ellen DeGeneres Show*, with Madonna during her Super Bowl XLVI halftime show and on her MDNA and Rebel Heart tours, and in the Cirque du Soleil show “Michael Jackson: One.” He was chosen as one of *Dance Magazine’s* “25 to Watch” in 2012, is an Aspen Institute Harman-Eisner Artist-in-Residence, and was named the *Wall Street Journal’s* 2014 Performing Arts Innovator.

Christina Pato

..... Galician bagpiper, pianist, and educator Cristina Pato enjoys an active professional career devoted to Galician popular and classical music and jazz, performing on major stages throughout Europe, the U.S., India, Africa, and China. Pato was the first female gaita (Galician bagpipe) player to release a solo album (1999) and has since performed on stages around the world with Yo-Yo Ma, Arturo O’Farril and the Afro Latin Jazz Orchestra, Chicago Symphony Orchestra, among others. Pato is a member of Yo-Yo Ma’s Silk Road Ensemble and a founding member of its Leadership Council, collaborating closely in tours and planning residencies. An active recording artist and performer, Pato has released six solo gaita recordings, two as a pianist, and has collaborated on more than 30 recordings as a guest artist, including the Grammy Award winner “Yo-Yo Ma and Friends: Songs of Joy and Peace” (2008) and the Grammy-nominated Silk Road Ensemble album, “Off the Map” (2009). A passionate lecturer and educator, Pato collaborates in a variety of disciplines, from promoting gaita composition and performance with her groundbreaking Gaita and Orchestra Commissioning Project, to collaborating as a part of the Vail International Dance Festival.



Damiam Woetzel

..... New York City Ballet Principal Dancer turned director, choreographer, and producer Damian Woetzel curates and hosts DEMO, a series of performances uniting artists around a common theme. Woetzel is currently the Artistic Director of the Vail International Dance Festival and the Director of Arts Programs for the Aspen Institute. Dubbed “the matchmaker” by *The New York Times* in 2013, Woetzel has earned acclaim over the last years for creating unusual combinations of music, dance, and theater, often engaging with the world of ideas, in venues varying from China’s National Performing Arts Center to New York’s Delacorte Theater in Central Park.

APRIL 27

Fenwick Scholar Presentation

4:00 p.m.

..... *Rehm Library*

Joseph MacNeill '16

Encountering God as Logos: A Postmodern Theology

STUDIO ARTS

Studio Concentration Seminar Artist Talks

12:00 noon

..... *Cantor Art Gallery*

Michael Allen '16

Elizabeth Baker '16

Rebecca Blackwell '16

John Gallagher '16

Caroline O'Day '16

Sarah Kane '16

Studio Minor Exhibition

5:00 p.m.

..... *SAS Gallery*

Alessandra Arduini '16

Alex Chaffee '16

Anne Clarke '16

Megan Demit '16

Alden Devine '16

Kimberly French '16

Emily Hatchouel '16

Nina Ho '16

Francesca Lamaruggine '16

Margaret MacMullin '16

Gabriel Moreta '16

David Mulry '16

Natalie Sanchez '16

Sarah Valente '16

Emily Vecchiarelli '16

APRIL 27

Wednesday

7:30 p.m...... *Brooks Concert Hall*

Works by Schubert, Bach, Vivaldi

Solo performances by Adam Ouellet, tenor '16, Christopher Goessling, violin '18,

Teresa Murphy, mezzo soprano '19

Michaella Caporello '16

Peter Engel '18

Joseph DiSabito '16

Christopher Goessling '18

Patrick Keefe '16

Aaron Katz '18

Joseph MacNeil '16

Michael Shun '18

Danielle Madkour '16

Jill Michelhaugh '16

David Bodack '19

Brett Cotter '19

Abbey DeNorscia '17

Samantha Doherty '19

Marena Minelli '17

Francis Dwyer '19

Virginia Peck-Phillips '17

Katherine Elacqua '19

Christopher Saeli '17

Laura Garcia '19

Anne Thompson '17

Madeline Jankowski '19

Gen Tsudaka '17

Alexander Kui '19

Melody Wauke '17

Emily Kulp '19

Brianna Maynard '19

Theodore Chomiak '18

Dara Parsons '19

Lauren Simeon '19

Emily Sullivan '19

Sarah Vroutas '19

APRIL 28

Thursday

ANTHROPOLOGY

Ethnographic Fieldwork

8:30 a.m.–12:00 noon	.....	<i>Hogan 320</i>
Margaret MacMullin '16		<i>Meaning of Making in the Holy Cross Art Department</i>
Megan Demit '16		<i>Inside the American Refrigerator: Photographs of Food Culture and Consumption</i>
Marjorie Higgins '16		<i>Pressures on College Women Soccer Players: Shaping the Perfect Body</i>
Richard Greiwe '17		<i>Constructing Lacrosse Team Identity on Game Day.</i>
Katelyn Lyons '18		<i>At the Thrift Shop: Fashion and Social Class in a Non-Profit Space</i>
Hannah Moore '18		<i>The Power of Preservation: Conservation of Art in Worcester.</i>
Natasha Meyer '16		<i>Beyond Grieving: Understanding the Social Space of Historic Cemeteries in Massachusetts</i>
Alexandra Gallo '16		<i>Emotion Work of Caregivers in Safe Spaces</i>
Tanusha Yarlagadda '18		<i>Liberation through Make Up: Brushing on Confidence</i>
Jessica Batista '18		<i>Education through the Generations: Life Histories of Latin Americans at Holy Cross</i>
Erica Mendoza '18		<i>Defining Home: How Latin American Immigrants Express their Home Culture</i>

PHYSICS

9:00–9:30 a.m.	.....	<i>Haberlin 207</i>
Tom Krueger '16		<i>Statistical fluctuations in time-series measurements of laser frequency</i>

ENGLISH

Digital Transgender Archive Lab

9:00 a.m.–4:00 p.m.	.....	<i>Hogan Lobby</i>
Mariel Aleman '18		Jeimy Hernandez '18
Catarina-Oliva Beal '18		Mithra Salmassi '19
Kathleen Bowles '18		Jazmin Lopez '16
Anne Clarke '16		Jason Steranko '17
Michael DeSantis '18		

LATIN AMERICAN AND LATINO STUDIES

10:00 a.m.–12:30 p.m.	.....	<i>Hogan Suite A</i>
Patrick Maloney '16		<i>Un Derecho Inalienable: Migration in Post Dictatorial Argentina</i>
Tiffany Holland '16		<i>Reproductive Rights in Latin America: An Argentine Case Study</i>
Monica Polanco '16		<i>Forjando el arquetipo bicultural</i>
<i>Sportwriting in Spanish</i>		<i>Los Deportes en el Ecuador</i>
Jill Michelhaugh '16		
Karina Camargo '16		
Daniel Bilodeau '16		
Anabella Pérez '16		
Victoria McCormick '16		
Conor Morey '16		
Jonathan Beltran '17		
Khorally Pierre '17		
Daniel Hutchinson '18		
Joshua De Young '18		

COLLEGE HONORS

10:00 a.m.–4:30 p.m.	.....	<i>Hogan 401</i>
10:00 a.m. Derek Keough '16		<i>Geometric Constructions in Ancient Greek Mathematics</i>
10:30 a.m. Emma Sikes '16		<i>The Role of Spinal Muscular Atrophy (SMA) Genes in Regulating Insulin Signaling</i>
11:00 a.m. Meaghan McGeary '16		<i>Characterizing the Evolution of the Sex Peptide Network in Drosophila</i>
11:30 a.m. Hannah Shaw '16		<i>Wolf Skin and Other Stories</i>
12:00 noon Andrea Kelble '16		<i>The Effects of Legal Origin on Market Growth</i>
12:30 p.m. Will Bonnel '16		<i>U.S.-China Relations: The Geopolitical and Economic Origins of the AIIB</i>
1:30 p.m. Christian Brooks '16		<i>The Synthesis of trans-Alkene Peptide Isoteres Using Olefin Cross-Metathesis</i>
2:00 p.m. Brian Dougherty '16		<i>Centering Global Public Health at the Interface of Nanotechnology and Modern Water Purification</i>
2:30 p.m. Emily Conn '16		<i>Milton's Epic Theology: An Analysis of Paradise Lost</i>
3:00 p.m. Adam Sliwowski '16		<i>Heidegger's Return to Socratic Unknowing</i>
3:30 p.m. Steven Merola '16		<i>Apologetic Epinoiai: Christ as Light and Wisdom in Origen's Contra Celsum</i>
4:00 p.m. Christopher Ryan '16		<i>A Contemporary Understanding of Free Will in Augustinian Death</i>

STUDY ABROAD

10:00 a.m.–1:10 p.m.	.....	<i>Hogan 408(09)</i>
10:30-10:50 a.m. Clare Foley '16		<i>Taking León by a Runner's Pace: Training for and Running a Half Marathon in León, Spain</i>
11:00-11:20 a.m. Anastasia Tramontozzi '16		<i>Just a Wee Bit of Music: St Andrews Year Abroad</i>
11:30- 11:50 a.m. Patrick Maloney '16 Monica Polanco '16 Barry Quinn '16		<i>Buen Camino: A Journey on Spain's Camino de Santiago</i>
12:20-12:40 p.m. Elizabeth Glynn '16		<i>Becoming a Saint</i>
12:50- 1:10 p.m. Robert Daly '16		<i>Irish Hospitality</i>

PEACE AND CONFLICT STUDIES

11:00 a.m.–12:00 noon	.....	<i>Hogan 403</i>
Lauren Tilmont '16		<i>AIDS in Africa: Stigma & Humanitarian Relief</i>
Carmella O'Hanlon '16		<i>Darfur – Another Genocide?</i>

SPANISH

Sportswriting in Spanish

12:00 noon–1:00 p.m.	.....	<i>Hogan 406</i>
Jill Michelhaugh '16		Conor Morey '16
Karina Camargo '16		Jonathan Beltran '17
Daniel Bilodeau '16		Khorally Pierre '17
Anabella Pérez '16		Daniel Hutchinson '18
Victoria McCormick '16		Joshua De Young '18

ECONOMICS AND ACCOUNTING*Department Honors***2:30–4:00 p.m.**..... *Hogan 402(03)*

Sean Griffin '16

Municipal Zoning and Educational Quality

Patrick Walsh '16

Salary Determination in MLB

Raquel Scott '16

*Crime and Higher Education***SPANISH***Sigma Delta Pi Induction***3:00–8:00 p.m.**..... *Hogan Suites B/C*

Daniel Bilodeau '16

Victoria McCormick '16

Karina Camargo '16

Jonathan Milne '16

Andrew Charette '16

Ivan Perez '16

Michael Cole '16

Monica Polanco '16

Victoria Engvold '16

Timothy Provost '16

Clare Foley '16

John Reilly '16

Alec Gubics '16

Hayley Schneider '16

Tara Hank '16

Adrianna Tomasello '16

Brendan Healey '16

Rick Vazzano '16

Garabed Koosherian '16

POLITICAL SCIENCE*Department Honors***3:30–5:30 p.m.**..... *Hogan 304(05)*

Harrison Cahoon '16

Policies for Renewable Energy: Comparing National Strategies

William Callif '16

Montesquieu and the Republic

Sasha Bobrowicz '16

*US Renewable Energy Policy: A Solar Comparison**Pi Sigma Alpha Induction***3:30–5:30 p.m.**..... *Hogan 304(05)*

Tyler N. Ambrose '17

John R. Hodge, Jr '17

Michael Araujo '17

Mackenzie Horl '17

Brian J. Beaton '16

Caroline Elizabeth Keane '17

Sasha Bobrowicz '16

Vincent C. LaMonte '17

Patrick W. Brady '16

Bowen C. Lee '17

Emily M. Breakell '17

Kelly Probish McDonald '17

Harrison Cahoon '16

Luke P. Miller '17

Caroline Carr '17

Victoria Lynn Pennacchio '17

Anna Colbert '17

Emma Peplowski '17

Kyle William Cunningham '17

Thomas A. Rueter '17

Deanna M. Drenga '17

William Salter '16

Kyle R. Espinola '17

Madeline D. Supple '17

Bethany Fogerty '16

Juliana Grace Toes '17

Brett Gannon '16

Andrew Truong '17

Nicholas Goode '17

Mary Kate Vanecko '17

HISTORY*Department Honors***3:30–5:00 p.m.**..... *Hogan 408(09)*

Bart LaFaso '16

Vladimir Putin's New Authoritarianism: A Critical Analysis of Vladimir Putin's Strategies of Power

Daniel Maher '16

Malcolm X and Muhammad Speaks: Clarifying Relationships to the Civil Rights Movement in 1960's America

Liam Parker '16

Changing Memories of Stalingrad: The Politics of History in WWII

Gage Salicki '16

From Public School to Public Welfare: The Common School Movement, Progressivism, and Education Reform

ART HISTORY

The Best of Art History

4:00–4:50 p.m. *Fenwick 495*

Two Awesome Views of Nature at the Worcester Art Museum

Joe Dillard '19 *Shipwreck by Hubert Robert (French, 1800)*

Nora Grimes '19 *Yosemite Falls by Albert Bierstadt (American, 1865-70)*

Ziyun Lin '18 *Art, Furniture, and Social Status in a Renaissance Marriage Chest*

The Natural World Cluster: Lungs of the Planet: A Collaborative Endeavor in the Production of a Tile Mural for Dinand Library

Sarah Valenti '16

Elizabeth Baker '16

Emily George '18

Anna Lenney '19

Kevin Buccerone '19

August Easton-Calabria '18

RELIGIOUS STUDIES

Theta Alpha Kappa Induction

4:00–5:30 p.m. *Hogan Suite A*

Linnea C. Brandt '16

Kelly A. Clarke '16

John J. Sansone '16

Micala M. Smith '16

Mary P. Cunningham '17 *Study Abroad*

Mackenzie M. Horl '17

Jessica P. Vozella '17 *Study Abroad*

STUDIO ART

Senior Studio Exhibition Opening Reception

5:30 p.m. *Cantor Art Gallery*

Michael Allen '16

Elizabeth Baker '16

Rebecca Blackwell '16

John Gallagher '16

Caroline O'Day '16

Sarah Kane '16

APRIL 29

Friday

GENDER, SEXUALITY, AND WOMEN'S STUDIES

9:00 a.m.–3:40 p.m. *Hogan 408(09)*

9:00–9:40 a.m.

Jazmin Lopez '16 *Forced Sterilizations and the Struggle for Women's Rights in Latin America*

Claire O'Brien '16 *Engraving Desire: Titian to Strange*

Sarah Ryan '16 *An Exploration of the Prejudice Towards/Stigmatization of Shy Boys Entering Adolescence*

Kenneth Acquah '16 *The West African Sex Trade and its Relation to Patriarchy and Colonialism*

11:00 a.m.–12:45 p.m.

Natalie Minuto '16 *Resisting the Male Gaze: Objectification, Value, and Feminine Authority in Medieval Visionary Literature*

Sara Brisson '16 *Gender Differences in Attitudes Towards the College Process in a New England Prep School*

Ja-Lene Scott-Dottin '16 *Rethinking the Futures of the Black Family*

Nickole Gonzalez-Vasquez '16 *The Violation of Women's Human Rights through Sexual Violence*

2:00–3:40 p.m.

Emily Langan '16 *Professional Experiences of College Staff Working to Combat Sexual Assault*

Caitlin McGuire '16 *Defining Assault: How Holy Cross Women Identify and Make Sense of Sexually Assaultive Experiences*

Emilia Froio '16 *Gendered Differences in Drug Addiction*

Diana Chaves '16 *Examining Support Systems of Teenage Moms and Evaluating Social Determinants of Health in this Population*

ENGLISH*Digital Transgender Archive Lab*

9:00 a.m.–2:00 p.m. *Hogan Lobby*

Mariel Aleman '18 Jeimy Hernandez '18

Catarina-Oliva Beal '18 Mithra Salmassi '19

Kathleen Bowles '18 Jazmin Lopez '16

Anne Clarke '16 Jason Steranko '17

Michael DeSantis '18

TEACHER EDUCATION PROGRAM*Welcome to our classrooms*

10:00 a.m.–12:00 noon *Hogan 406(07)*

Erin Brosnihan '16 Connor O'Brien '16

Lauren Clair '16 Sarah Price '16

Jessica Cormier '16 Gage Salicki '16

Ana Hallowell '16 Alexander Simrell '16

Abigail Henry '16 Lauren Suprenant '16

Steven Merola '16

COLLEGE HONORS

10:00 a.m.–5:00 p.m. *Rehm Library*

10:00 a.m.

Benjamin Ritter '16 *Arctic Geomorphological and Ecological Change*

10:30 a.m.

Lydia Deneen '16 *Understanding the Relationship between Corporate Social Responsibility and Financial Performance*

11:00 a.m.

Theodore Langlois '16 *Sustainability in Professional Sports: Greening the Modern Stadium*

11:30 a.m.

Brendan Connallon '16 *The Effectiveness of Foreign Exchange Hedging in Mutual Funds*

12:00 noon

Bart LaFaso '16 *Putin's New Authoritarianism: A Critical Analysis of Vladimir Putin's Strategies of Power*

1:00 p.m.

Kira Niederhoffer '16 *That Good Night: Rage in Ivan Ilyich and a Modern Response to Death*

1:30 p.m.

Megan Montiverdi '16 *Reason vs. Understanding: Hysteria In Dostoevsky*

2:00 p.m.

Amanda Snow '16 *Killing Pain: Annihilating Life*

2:30 p.m.

Anna McGeady '16 *When Language Fails: An Inquiry into the Communication of Inexpressible Trauma in Literature*

3:00 p.m.

Hayley Schneider '16 *Scheherazade in World Literature: Canonical and Postcolonial Adaptations of One Thousand and One Nights*

3:30 p.m.

Sean O'Rourke '16 *The Act of Conversation in Colonial Literature*

4:00 p.m.

Christopher Conley '16 *Forgot: A Memoir on Memory*

4:30 p.m.

Caroline Marks '16 *Relational Self Narrative*

ENGLISH

*Department Honors***12:30–3:45 p.m.**

..... *Hogan 304(05)*

Panel 1:

Allison Denton '16 *Suffering and the Human Experience*

Emily Conn '16 *Milton and Epic Theology*

Paige Tortorelli '16 *Discerning a Nabokovian God*

Panel 2:

Natalie Minuto '16 *Dream Visions and Moral Muses*

Emily Dyer '16 *Seeing "New Englandly"*

Danielle Burford '16 *Voice Box*

Panel 3:

Christopher Conley '16 *Forgot: A Memoir on Memory*

Christopher Smith '16 *Everything I Kill, I Bury*

Hannah Shaw '16 *Wolf Skin and Other Stories*

4:00–4:30 p.m.

..... *Hogan 304(05)*

*Sigma Tau Delta Induction***4:30–5:00 p.m.**

..... *Hogan 304(05)*

Jacqueline Bashaw '17

Khorally Pierre '17

Emily Bowman '17

Flavia Sula '17

Bridgid Carey '17

Douglas Tortorici '17

Alec Davis '17

Peter Van Galen '17

Megan Izzo '17

Thomas Vignati '17

Ryan Kingsley '17

Catarina-Oliva Beal '18

Jane McGrail '17

Emma Callahan '18

Maxwell McKee '17

Taylor Moss '18

John McKeon '17

Nicole Nover '18

Katrina Morris '17

Emma O'Leary '18

William Peters '17

CHEMISTRY AND BIOCHEMISTRY

2:00–4:25 p.m.

..... *Smith Labs 154*

**Biochemistry Concentration*

2:00 p.m.

Rebecca Casazza* '16

Characterizing the Structural Requirements of the Anti-HIV Mechanisms of the Human Protein Apobec3G

2:15 p.m.

Michael Koulopoulos* '16

A Biophysical Analysis of Aspartic Acid Cyclization Coupled to Peptide Bond Cleavage

2:30 p.m.

Kira Niederhoffer* '16

Molecular Investigation and Application of Rhenium Tricarbonyl Complexes

2:45 p.m.

Elizabeth Park* '16

Cytotoxicity and efficiency of polymer-based transfection reagents on 3T3 cells

3:00 p.m.

Anthony E. Yakely* '16

Comparison of Splicing in Structurally Related Inteins

3:15 p.m.

Benjamin Chartier '16

Beta-sheet Formation in Peptides Containing Tri-Alanine

CHEMISTRY AND BIOCHEMISTRY CONT.**3:30 p.m.**

Christopher E. Cousin '16 *An Investigation of Salt-Dependent Protein Splicing*

3:45 p.m.

Michelle Schefter '16 *Can beta sheet peptides isolated from α -synuclein induce beta sheet formation in disordered sequences?*

4:00 p.m.

Mary Stuckey '16 *α -Synuclein Misfolding and β -Sheet Aggregation in Parkinson's Disease*

CHEMISTRY**3:00–4:45 p.m.**

..... *Smith Labs 155*

3:00

Christian Brooks '16 *The Synthesis of trans-Alkene Peptide Isosteres Using Olefin Cross Metathesis*

3:15

Martin Brown '16 *A Tandem Metathesis/SN2' Approach to Benzofurans*

3:30

Alexis Dame '16 *Catalytic Asymmetric Phosphorylation: Studies Towards the Synthesis of FTY720-Phosphate*

3:45

Marshall Lougee '16 *Catalytic Asymmetric Phosphorylation: Studies Towards the Synthesis of FTY720-Phosphate*

4:00

Luke Lauchert '16 *Copper-Catalyzed Approach to Unsaturated Amides*

4:15

Gregory Tsougranis '16 *Copper-Catalyzed Approach to Unsaturated Amides*

4:30

Subbarao Yalamanchili '16 *A Tandem Metathesis/Isomerization Approach to Spiroketal*

3:00–4:15 p.m.

..... *Haberlin 219*

3:00

Christine Chevalier '16 *The comparison of nitrobenzenediazonium and azide benzene-diazonium on the nanoporous gold surface*

3:15

Katherine Blanco '16 *Scanning Tunneling Microscopy Studies of Coadsorbed Surface Systems*

3:30

Robert Chevalier '16 *Stability of self-assembled monolayers on nanoporous gold*

3:45

Brian Dougherty '16 *Scanning Tunneling Microscopy Studies of Coadsorbed Surface Systems*

4:00

Manyu Ma '16 *Characterization of amine-functionalized platinum electrocatalytic activity*

3:00–4:15 p.m.

..... *Swords 321*

3:00

Ryan Dean '16 *An Investigation of Biodiesel-Diesel Blends Using GCMS and PCA*

3:15

Alay Nanavati '16 *Building PLS models to Predict Biodiesel Type by their Chemical Properties*

3:30

Colby Rondeau '16 *Ferrocenyl sulfonamide compounds*

3:45

Sarah Valente '16 *Novel methods of making Cobalt Blue*

4:00

Lauren Yacobucci '16 *Manganese sulfonamide compounds*

*Holy Cross Manuscripts,
Inscriptions and Documents Club*

CLASSICS

2:00–5:00 p.m.

..... *Hogan 406(07)*

Nicholas Guarracino '18
Ying Hong '19
Michael Shun '18
Julia Spiegel '19
Allyn Waller '18

*Neumes: Notation and Abbreviation in Tenth-Century
Chant Manuscripts*

Kevin Cogan '19
Liam Prendergast '19
Zachary Sowerby '19

*Irregularities in the Escorial Omega 1.12 manuscript
of the Iliad*

Claude Hanley '18
Charlie Schufreider '17

Developing a Corpus-Specific Ancient Greek Parser

Christopher Ryan '16
Alex Simrell '16

Validation and Verification in the Homer Multitext Project

Michael Kelley '18
Corey Scannell '18
Melody Wauke '17

*Observations on Scholia to Iliad 17 in the Venetus
A manuscript*

CLASSICS

5:00–5:30 p.m.

..... *Hogan 406(07)*

Nicholas Jalbert '16

*A Reading from the Novel Manuscript "In Sacred Flame,"
a Story of Magic, Empire, and the Pursuit of Religious Truth*

SOCIOLOGY AND ANTHROPOLOGY

Department Honors

2:00–5:30 p.m.

..... *Hogan 320*

Kiara Barbieri '16

*A Caring Cut: A Sociological and Bioethical Analysis of Organ
Procurement and Transplantation in the United States and
Abroad.*

Danielle Tierney '16

*Cyberlebrity: Selfhood, Cyberperformance and Fame in the
Digital Age.*

Natasha Meyer '16

*Cultural Anthropology and Archaeology in Dialogue:
Interpreting the Infant Burials in Astypalaia, Greece.*

Tara Hank '16

*A Sociological Comparison of the Emergency Food Systems in
Philadelphia and Worcester: The Relationship between Poverty,
Food Insecurity and Nutrition.*

Matthew Watson '16

*Consuming Class: A Comparison Study of Student Food
Activism on Two Massachusetts College Campuses.*

Rebecca Benoit '16

Subjective Experiences of Life in an American Nursing Home.

Zhenxi Qi '16

*Travel and Transformation: A Case Study of the Short-term
International Immersion Trip.*

ECONOMICS & ACCOUNTING

Department Honors

2:30–4:00 p.m.

..... *Hogan 402(03)*

Brendan Sheehan '16

*Democracy and Growth: An Exploration of the Impact of the
Externalities of Increased Access to Information.*

Seton McFarland '16

*Gas Prices and Public Policy: How Individual State Laws
Impact the Price of Gasoline*

Andrea Kelble '16

The Effects of Legal Origin on Market Growth

FRENCH

Pi Delta Phi Induction

3:30–6:00 p.m.

..... *Stein 526*

Amanda Bringewatt '18

Yun Hu '18

Elizabeth Cohn '16

Garabed Koosherian '16

Erin Connolly '17

Bartholomew LaFaso '16

Vanessa Costa '18

Maura Mullaney '18

Sarah Curran '16

Jennifer Nash '17

Lillian Daley '16

Jessica Vozella '17

Shannon Ganley '17

Michelle Yu '18



APRIL 30

Saturday

COLLEGE HONORS

10:00 a.m.–1:00 p.m.

..... Hogan 401

10:00 a.m.

Gabriella Motta '16

A PCR-Based Assessment of the Etiology and Pathogenesis of Feline Chronic Rhinitis

10:30 a.m.

Danielle Tierney '16

Cyberlebrity: Selfhood, Cyberperformance and Fame in the Digital Age

11:00 a.m.

Elizabeth O'Brien '16

The Two Voices of Communication Disorders: Narratives from People with Aphasia and Speech-Language Pathologists

11:30 a.m.

Micala Smith '16

A Christian Response to People with Disabilities: What We Can Learn from Liberation Theology

12:00 p.m.

Matthew DiMaria '16

The Role of Liberation Theology and Partners in Health in Health Care in Haiti

12:30 p.m.

Jack Green '16

Irish America, The Northern Ireland Peace Process, and Ethnic Political Lobbies: A Case Study

1:00 p.m.

RECEPTION FOR STUDENTS IN COLLEGE HONORS, THEIR GUESTS AND THEIR FACULTY ADVISORS

3:00– 4:20 p.m.	.....	<i>Smith Labs 155</i>
3:00 p.m.		
Aaron Bosse '17		<i>Copper-Catalyzed Approach to Unsaturated Amides</i>
3:10 p.m.		
Michaela Caporello '16		<i>Synthetic Studies on Squamostatin C</i>
3:20 p.m.		
Ryan Walsh '16		<i>Synthetic Studies on Squamostatin C</i>
3:30 p.m.		
Tae Correia '17		<i>Copper-Catalyzed Approach to Beta-Lactams</i>
3:40 p.m.		
Ivan Lukic '16		<i>Synthetic Efforts Towards Amino-Indolizines</i>
3:50 p.m.		
Adam Millham '17		<i>Efforts Toward the Synthesis of Bovidic Acid</i>
4:00 p.m.		
Kate Nicastrì '17		<i>Efforts Toward the Synthesis of Bovidic Acid</i>
4:10 p.m.		
Francisco Tejedor '16		<i>Synthetic Efforts Towards Unsaturated Amides</i>
3:00– 4:00 p.m.	.....	<i>Haberlin 219</i>
3:00 p.m.		
Eric Kuhn '16		<i>Models for determination of hydrogen bond strength</i>
3:15 p.m.		
Colleen Szytko '17		<i>Scanning Tunneling Microscopy Studies of Coadsorbed Surface Systems</i>
3:30 p.m.		
Eric Schneider '16		<i>Supramolecular organization of rigid beta-sheets</i>
3:45 p.m.		
Andrew Weller '17		<i>Optimizing Click Reactions on Nanoporous Gold using Spectroscopic and Electrochemical Techniques</i>
3:00– 4:00 p.m.	.....	<i>Swords 321</i>
3:00 p.m.		
Zakey Buuh '16		<i>Rhenium diimine sugar chemistry</i>

3:15 p.m.

Rebecca Davies '17

*Separation of Analgesic Compounds by Liquid Chromatography***3:30 p.m.**

Henry Dodge '17

*Rhenium diimine nucleobase compounds***3:45 p.m.**

Nicholas Mastas '17

*Investigating Sterol Content in Biodiesel Fuels Using GCMS***3:00– 4:20 p.m.**..... *Smith Labs 154***3:00 p.m.**

Casey Adams '17

*Synthesis of novel triazole ligands for coordination with divalent metals***3:10 p.m.**

Lisa Balesano '16

*Concentration Dependence of Alanine and Isoleucine Containing Peptides***3:20 p.m.**

Jhonatan Henao '16

*The effect of cellular crowding on α -syn peptides***3:30 p.m.**

Joshua Long '17

*Influence of Intron Flexibility on Temperature Dependence of Splicing***3:40 p.m.**

Nicholas Maniatis '16

*Synthesis of a library of amino alcohol ligands***3:50 p.m.**

Christopher Minter '17

*The Influence of Conserved Residues and Structural Elements on the Stability and Activity of a Thermophilic Intron***4:00 p.m.**

Emily Popp '17

*Click chemistry with amino alcohol ligands***4:10 p.m.**

Mark Wallace '16

*Synthesis of a library of amino alcohol ligands***6:00 p.m.**..... *Stein 526*

Madeleine Guttuso '16

Jillian Kearns '18

Luke O'Keefe '18

Peter Schiepers '17

