



22nd Annual Academic Spree Day

**Wednesday, April 25, 2012
12:00pm-4:30pm**

**University Center 1st Floor
&
Tilton Hall**

POSTER SESSION
12:00 - 4:30 PM

****Please note the different locations for Poster Presentations below:*

ABRAHM'S GALLERY (1ST FLOOR OF UC)

Environmental Science & Policy
Foreign Languages & Literature (German Studies)
Geography
Global Environmental Studies
HERO -(Human-Environment Regional Observatory)

STUDENT LOUNGE (1ST FLOOR OF UC)

Mathematics & Computer Science
Physics
Political Science

LOBBY (1ST FLOOR OF UC)

The Marsh Institute's Gellar Award

TILTON HALL (2ND FLOOR OF UC)

Biology
Biochemistry & Molecular Biology
Chemistry & Biochemistry
Communication & Culture Program
Economics
English
IDCE - (International Development, Community & Environment)
IDSC - (International Development & Social Change)
Philosophy
Psychology
Study Abroad
Theatre
Women & Gender Studies

POSTERS 12:00 - 4:30 PM

BIOLOGY - (IN TILTON HALL)

1. *Effects of caudal autotomy on aquatic locomotion in the brown basilisk lizard (*Basiliscus vittatus*).* **Daniel Rabinowicz '12, Allyson Zelck '13 & Simone Palladino '12** (sponsor: Professor Philip J. Bergmann)
2. *The Effects of Nitrate Fertilization on the Physiology of a common Salt Marsh Cordgrass Species, *Spartina alterniflora*.* **Katherine Friedman '12** (sponsor: Professor Deborah Robertson)
3. *Macrophage-targeted glucan particle (GP) encapsulated rapamycin delivery increases autophagy induction in B6-LC3-GFP macrophages.* **Melanie Rasmus '12** (sponsors: Professor David Thurlow, Clark University & Professor Gary Ostroff, UMass Medical School)
4. *Gregarine infection in *Ochlerotatus triseriatus* and its impact on vulnerability to predation.* **Linda Valsdottir '12** (in collaboration with John Soghigian, graduate student; sponsor: Professor Todd Livdahl)
5. *Size at Age in Alaskan Threespine Stickleback: Evolution and Variation through Space and Time.* **Ryan Barney '15, Jenna Kosmo '15 & Nick Pagan '15** (sponsor: Professor John Baker)
6. *Investigation of *Ddkifl* by RNAi and Gene Knockout Approaches.* **Lauren Beaudin '12** (sponsor: Professor Denis Larochelle)
7. *NMR Studies of the Inhibition of Amyloid- β Self-Assembly by Rosmarinic Acid.* **Brianna Anthony '12** (sponsor: Professor Noel Lazo)
8. *Development of a Novel Technique for the Quantitative Analysis of Mosquito Eggs.* **Matthew Warndorf '12** (sponsor: Professor Todd Livdahl)
9. *Analysis of Microbial Communities for the Potential for Mercury Mobilization from Leach Fields of the Massachusetts Alternative Septic System Testing Center.* **Amanda Barbosa '14, Britni Stowell '13, Alexander Vickers '14 & Matthew Isihara '14** (sponsor: Professor Heather Wiatrowski)
10. *Is the 3'UTR important in the post-transcriptional regulation of nitrite reductase mRNA in the marine diatom *Thalassiosira pseudonana*?* **Joshua Bugge '14, Huseyin Kivrak '14, Piangfan Naksukpaiboon '13 & Sarah Whitcher '14** (in collaboration with Dylan Scott, graduate student; sponsor: Professor Deborah Robertson)
11. *Expression and regulation of nitrate and silicon transporters in the marine diatom *Thalassiosira pseudonana*.* **Mackenzie Gill '14, Lauren Haley '12, Shakima Kelley '13, Shakira Kelley '13 & Margaret Small '12** (in collaboration with Jessica Alexander, graduate student; sponsor: Professor Deborah Robertson)
12. *Identification of RNA binding proteins in the marine diatom *Thalassiosira pseudonana*.* **Thomas Spaulding '13** (in collaboration with Minoli Perera, graduate student; sponsor: Professor Deborah Robertson)
13. *Examination of mRNA stability in nitrogen starved *Thalassiosira pseudonana*.* **Susan Damon '12, Erin Ross '12 & Audrey Seiz '13** (in collaboration with Jessica Alexander and Minoli Perera, graduate students; sponsor: Professor Deborah Robertson)

BIOCHEMISTRY AND MOLECULAR BIOLOGY- (IN TILTON HALL)

14. *Cloning and Cellular Characterization of KIFAP3 Splice Isoforms.* **Jenni Adams '12** (in collaboration with Matt Stigliano, graduate student, UMASS Medical School; sponsors: Professor David Thurlow, Clark University & Professor John Landers, UMASS Medical School)
15. *NMR Studies of Amyloid Beta Protein Aggregation in the Presence of Rifamycin SV.* **Jennifer Gaines '12** (sponsor: Professor Noel Lazo)

CHEMISTRY AND BIOCHEMISTRY- (IN TILTON HALL)

16. *Electrochemical Deposition of a PEDOT (PSS) Conducting Polymer Layer.* **Bram Smith '13** (sponsor: Professor Christina McGraw)
17. *Unconventional citrate synthesis in microbes.* **Trishna Sadhwani '13** (in collaboration with Wanli Lu, graduate student; sponsor: Professor Joseph Tang)
18. *Extraction of Chlorosomes from Photosynthetic Bacteria.* **Yadana Khin '15 & Farrokh Zare '14** (sponsor: Professor Joseph Tang)
19. *Ion-Selective-Electrodes for Marine Applications.* **Katie Minnix '12** (sponsor: Professor Christina McGraw)
20. *A New Family of Compounds—Copper (II) halide Complexes and salts of 3-halo-2-methylpyridines: Synthesis, Structure, and Magnetic Behavior.* **Mahmoud Abdalrahman '12** (sponsor: Professor Mark Turnbull)
21. *Carbonate-Selective Electrodes for Seawater.* **Rachel Rockwell '12** (sponsor: Professor Christina McGraw)
22. *Synthesis and Characterization of Two Tetrahalocuprates and Two Dihalocopper Compounds.* **Alexander Gale '12** (sponsor: Professor Mark Turnbull)
23. *Dissociation of Iodide.* **Stephanie Pudalov '13** (sponsor: Professor Sergio Granados-Focil)
24. *New gene delivering polymers based on PEI copolymers modified via “click chemistry.”* **Abhijit Srungavarapu '12** (in collaboration with Robert P. Doyle, graduate student; sponsor: Professor David Thurlow)
25. *Lithium Conductivity Studies of Sulfonate-substituted Linear Polyethylenimine for Use in a Polyethylene glycol-based Solid Polymer Electrolyte.* **Max Macrae '12** (sponsor: Professor Sergio Granados-Focil)
26. *Optimization and Catalytic Activity of Copper (I) Oxide nanocubes.* **Aaron Dewberry '12** (sponsors: Professor Luis Smith & Professor Sergio Granados-Focil)
27. *Niobium Oxide Nanoparticles Templated from Mesoporous Silica with Variable Pore Size.* **Luke Witthoft '12** (sponsor: Professor Luis Smith)
28. *Synthesis of new monomers to produce face-segregated ion-conducting polymers.* **Hunter Gray '12** (sponsor: Professor Sergio Granados-Focil)
29. *Synthesis of Proton Conducting Triazole-Functionalized Poly(methyl methacrylate) via Atom Transfer Radical Polymerization.* **Derek Luong '13** (in collaboration with Sean Chen, graduate student; sponsor: Professor Sergio Granados-Focil)
30. *The Development of Hydroxide-Conducting Membranes for Anionic Fuel Cells.* **Chris Legacy** (sponsor: Professor Sergio Granados-Focil)

COMMUNICATION & CULTURE PROGRAM- (IN TILTON HALL)

31. *Advertising the Abortion Debate.* **Alexandrea Boguhn '12** (sponsor: Professor Fern Johnson)
32. *Communicative and Cultural Conduits in the Self-Identification Process of International—U.S. Adoptees.* **Katrina Fryklund '12** (sponsor: Professor Fern Johnson)
33. *Cell Phones and Families.* **Eileen Garcia '12** (sponsor: Professor Debra Osnowitz)
34. *Future Aspirations and Identity in Main South.* **Gabriel Santner '12** (sponsor: Professor Michael Bamberg)
35. *The Global and the National in American and Japanese Brand Advertising: A Comparative Study.* **Megumi Koyama '12** (sponsors: Professor Betsy Huang & Professor Parminder Bhachu)

ECONOMICS - (IN TILTON HALL)

36. *The effect of internet penetration on price dispersion in the airline industry.* **Stefan R. Cohen '12**, Senior Honors Thesis (sponsor: Professor Junfu Zhang)
37. *Does taxing the highest income bracket lead to a reduced government deficit?* **Kado E. Damball '12**, Senior Honors Thesis (sponsor: Professor Roxane Anderton)
38. *Is it about the money? Measuring performance in Massachusetts public schools.* **Chelsea J. Fritschy '12**, Senior Honors Thesis (sponsor: Professor Wayne Gray)
39. *The effect of Improved Water and Sanitation on Child Morbidity and Mortality.* **Humza Hussain '12**, Senior Honors Thesis (sponsor: Professor John Brown)
40. *Is welfare the rising tide that raises all boats?* **Irta John '12**, Senior Honors Thesis (sponsor: Professor Wayne Gray)
41. *Renewable energy: oil's influence on alternative energy consumption and stock prices.* **Michael Lamothe '12**, Senior Honors Thesis (sponsor: Professor Chih Ming Tan)
42. *The tale of Tao cities: the factors behind the expansion of Chinese cities.* **Hanlin Li '12**, Senior Honors Thesis (sponsor: Professor Junfu Zhang)
43. *The Relationship between Money and Inflation during Recessions.* **Joe McClintock '12**, Senior Honors Thesis (sponsor: Professor Dessislava Slavtcheva)
44. *Are Sweatshop Conditions Good for Latin American Trade with the US?* **Claudia Mosca '12**, Senior Honors Thesis (sponsor: Professor Wayne Gray)
45. *Does wealth come at the expense of environmental degradation?* **Ira Ramaj '12**, Senior Honors Thesis (sponsor: Professor Roxane Anderton)
46. *What is the impact of FDI on economic development in Africa?* **Mariana Fabiana Saculo '12**, Senior Honors Thesis (sponsors: Professor Chang Hong & Professor Wayne Gray)
47. *Disease and development: the impact of health on economic development.* **Lindiwe Shawa '12**, Senior Honors Thesis (sponsor: Professor Jacqueline Geoghegan)
48. *China's Trade Empire: Determinants of the Chinese Bilateral Export Flows.* **Pisca Ayuning Tias '12**, Senior Honors Thesis (sponsor: Professor Chang Hong)
49. *Evaluating the impact of official development assistance on economic growth.* **Ema Vergles '12**, Senior Honors Thesis (sponsor: Professor Roxane Anderton)
50. *Cooperatism: An Economic and Political Model for the Future.* **Breanna Lembitz '12** (sponsor: Professor Jude Fernando)

ENGLISH - (IN TILTON HALL)

51. *Research in Early American Print Culture.* **Carly Lenz '12** (sponsor: Professor Meredith Neuman)
52. *Research in Early American Print Culture.* **Alexander Geyster '13** (sponsor: Professor Meredith Neuman)
53. *Research in Early American Print Culture.* **Daniel Zeliger '12** (sponsor: Professor Meredith Neuman)
54. *Research in Early American Print Culture.* **Katelyn McPhillips '12** (sponsor: Professor Meredith Neuman)
55. *Research in Early American Print Culture.* **David Lwamugira '14** (sponsor: Professor Meredith Neuman)
56. *Research in Early American Print Culture.* **Christopher Booth '13** (sponsor: Professor Meredith Neuman)
57. *An experiment demonstrating the importance and significance of literary analysis in cover design for fiction.* **Katharine Gill '12** (sponsor: Professor Meredith Neuman)
58. *Shelter Seekers.* **Elizabeth Mirabelli '12** (sponsor: Professor Jay Elliott)

ENGLISH (CONTINUED) - (IN TILTON HALL)

59. *Deciphering the Unknown*. **Naomi Kurtz '12** (sponsor: Professor Louis Bastien)
60. *Comparative Narrative Voices in Paul Auster's City of Glass: The Simultaneity of Image
Storytelling in Graphic Literature*. **Zachary Meager '12** (sponsor: Professor Stephen
Levin)
61. *A Return to Linguistics: Morrison's Interpretation of the Song of Songs in Conversation
with Song of Solomon*. **Lisa Johnson '12** (sponsor: Professor SunHee Kim Gertz)
62. "Reader, forgive me for telling the plain truth": *Narrative Theory in Jane Eyre and
Villette*. **Tegan Young '12** (sponsor: Professor Lisa Kasmer)
63. *Prentiss Cheney Hoyt Poetry Contest winners:*
1st place: **Eric Devenney '13** —*Love is a Body Farm*
2nd place: **Alana Osborn-Lief '12** —*Spill*
3rd place: **Ava Molnar '14** —*When Was I a Woman &
Nicholas J. Porcella '15* —*White Noise*
64. *Betty '79 & Stanley Sultan Short Story Contest winners:*
1st place: **Vipul Shah '13** —*Mustard Days*
2nd place: **Mike Steigman '14** —*Untitled*
3rd place: **Lauren Cyr '14** —*On Having Tea with the Mad Hatter*
65. *Loring Holmes & Ruth Dodd Drama Contest winners:*
1st place: **Alex Kump '13** —*Jet Boy Jet Girl*
2nd place: **Ava Molnar '14** —*Living Through*
3rd place: **Alexandra Tennant** —*Apology Play*
Honorable Mention: **Michelle Houle** —*The Greatest Bible Story Ever Told*

ENVIRONMENTAL SCIENCE & POLICY

(IN ABRAHM'S GALLERY—TO THE LEFT OF THE UC ENTRANCE)

66. *Modeling Clark University's Energy Future: A Preliminary HOMER Energy Analysis*.
Ben Gardner '12 (sponsor: Professor Abigail Mechtenberg)
67. *The Effects of Arctic System Runoff on the Thermohaline Circulation: How the addition of
cold fresh water could disrupt the deep ocean current*. **Meghan Helmlinger '12**
(sponsor: Professor Karen Frey)

FOREIGN LANGUAGES AND LITERATURES (GERMAN STUDIES)

(IN ABRAHM'S GALLERY—TO THE LEFT OF THE UC ENTRANCE)

68. *The Self-Classification of N.O. Body: Memoirs of a Jewish Hermaphrodite amidst the Di-
chotomous Gender and Racial Profiling of Wilhelmine Germany*. **Hannah Schachter
'12** (sponsor: Professor Robert Tobin)
69. *Volk and Nation in the Habsburg Empire*. **Ilana Weiss '14** (sponsor: Professor Robert
Tobin)

GEOGRAPHY

(IN ABRAHM'S GALLERY—TO THE LEFT OF THE UC ENTRANCE)

70. *The Massachusetts Forest Monitoring Program: Creating a Time Series of Land Cover
Maps for the State (1976-2009)*. **Lauren Ziemer '13** (sponsor: Professor John Rogan)
71. *Analyzing Land Cover Change in Massachusetts from 1976-2009: Implications for Forest
Conservation and Management*. **Andrew Shatz '12** (sponsor: Professor John Rogan)
72. *Living Machines: A Sustainable Solution to a Global Crisis*. **Nadia Kale '15, Aviva
(Robin) Schwartz '15, Jake Kailey '14 & Xavier Pierre-Jerome '14**
(sponsor: Professor Dianne Rocheleau)

GLOBAL ENVIRONMENTAL STUDIES

(IN ABRAHM'S GALLERY—TO THE LEFT OF THE UC ENTRANCE)

73. *Community Gardening: Strengths and Challenges in Worcester and National Examples.* **Beth Honsaker '12** (sponsor: Professor Dianne Rocheleau)

HUMAN-ENVIRONMENT REGIONAL OBSERVATORY (HERO)

(IN ABRAHM'S GALLERY—TO THE LEFT OF THE UC ENTRANCE)

74. *The Impact of a Seasonal Pricing Structure on Residential Water Demand.* **Joseph Krahe '12 - Economics Senior Thesis** (sponsors: Professors Jacqueline Geoghegan & Colin Polsky)
75. *Spatial Analysis of Land Cover and Residential Water Use in Suburban Massachusetts.* **Martha Ziemer '13** (in collaboration with Dan Runfola, graduate student; sponsor: Professor Colin Polsky)

INTERNATIONAL DEVELOPMENT, COMMUNITY & ENVIRONMENT - (IN TILTON HALL)

76. *MakaPads: A Case Study of Clean Production of Sanitary Pads for Ugandans.* **Rachel Sensenig '12** (sponsor: Professor Abigail Mechtenberg)
77. *Youth Substance Abuse Prevention in Worcester.* **Jenna Wills '12, Laura Overton '12, Katherine Calano '12 & Kate McGrath '12** (sponsor: Professor Danielle Fontaine)
78. *Addressing Research Fatigue at Clark University and the Main South Community.* **Alan Grunberg '12, Rebecca Hertz '12, Karissa Senterfitt '12 & Elora Way '12** (sponsor: Professor Danielle Fontaine)

INTERNATIONAL DEVELOPMENT AND SOCIAL CHANGE - (IN TILTON HALL)

79. *The New Vermonters: Non-Traditional Sites of Refugee Resettlement in the U.S. & Implications for Integration.* **Siobhan Kelley '12** (sponsor: Professor Anita Fábos)
80. *TIPNIS: More than just a Highway.* **Mario Torrico '13** (sponsor: Professor Denise Humphreys-Bebbington)
81. *Kurdish Displacement in Turkey and Socio-Economic Marginalization.* **Selin Volkan '12** (sponsor: Professor Jude Fernando) - (Also doing a Psychology Poster - #108)
82. *One Foot There and the Other Foot Here: Ethnic Identity Formation for Dominican Youth in Worcester, Massachusetts.* **Lila Trowbridge '12** (sponsor: Professor David Bell)
83. *Reproducing Inequality: Minority Women's Access to Sexual and Reproductive Health Care.* **Amanda Major '12** (sponsors: Professor Marianne Sarkis & Professor Ellen Foley)
84. *Puerto Rico's Via Verde Natural Gas Pipeline: Lowering the cost of energy, at what price?* **Alyssa Villalba '13** (sponsor: Professor Denise Humphreys-Bebbington)

THE MARSH INSTITUTE'S GELLAR AWARD

LOCATED IN THE LOBBY ON 1ST FLOOR OF UC

85. *Gendered Empowerment through Alternative Renewable Energy.* **Mary Kathryn Cleminson '12** (sponsor: Professor Abigail Mechtenberg)

MATHEMATICS & COMPUTER SCIENCE

(IN 1ST FLOOR STUDENT LOUNGE—TO THE RIGHT OF THE UC ENTRANCE)

86. *Reversi Revised; AI Opponents and a Multi-Player Social Network*. **Tiara Laviolette '12, Michael Pietras '12 & Phil Montague '14** (sponsor: Professor John Magee)
87. *Curvature in Differential Geometry*. **Camilo Cela Lopez '12** (sponsor: Professor Gideon Maschler)
88. *Effects of Smoking Bans and Taxes in the United States*. **Miga Lee '15 & Afra Danai '14** (sponsor: Professor Stacey Hancock)
89. *Sleep Habits and Academic Performance in College Students*. **Maxwell Shaw '15, Annie Zhang '15 & Jingjing Yang '14** (sponsor: Professor Stacey Hancock)
90. *What is the relation between affirmative action and the race composition in a university?* **Qianhan Sheng '14 & David Scheff '15** (sponsor: Professor Stacey Hancock)
91. *Developing software with Ruby*. **Michael Elliott '12** (sponsor: Professor Li Han)
92. *Magnetic Field and Boltzmann Electron Distribution in Bounded Plasmas*. **Franklin Feingold '15, David Melul Fresco '14, Nikoloz Gelashvili '15, Jian Bin Guo '15, Kelly Herbst '15, Rehan Rasool '15, Michael Steele '15 & Suyesh Thapa '15** (sponsor: Professor Natalia Sternberg)
93. *Goru*. **Zachary Hariton '13 & Zachary Herman '14** (sponsor: Professor John Magee)
94. *Configuration Spaces and Path Planning of Planar Convex Polygons*. **Jake Kramer '12 & Michael Pietras '12** (sponsor: Professor Li Han)
95. *Computer Animation and Games in Scratch*. **Students in CSci 99—Spring 2012 Course** (sponsor: Professor Li Han)

PHILOSOPHY - (IN TILTON HALL)

96. *Planned Parenthood vs. Casey*. **Mandeque Osman '14** (sponsor: Professor Judith DeCew)

PHYSICS

(IN 1ST FLOOR STUDENT LOUNGE—TO THE RIGHT OF THE UC ENTRANCE)

97. *Fluid Mechanics of the rotating cilium*. **Darija Cosic '12** (sponsor: Professor Arshad Kudrolli)
98. *Investigations of Extremely 2D Copper Pyrazine Antiferromagnets*. **Daniel Catanzano '12** (sponsor: Professor Christopher Landee)
99. *Scanning Tunneling Microscopy of Fe Doped Bi₂Sr₂CaCu₂O_{8+x}*. **Brian Koopman '12** (sponsor: Professor Michael Boyer)
100. *Renewable DC Powered Systems*. **Joseph Kennelly '12** (sponsor: Professor Charles Agosta)
101. *Molecular-scale modeling of muscle contraction*. **Tessa Mazzeo '12** (sponsor: Professor Ranjan Mukhopadhyay)
102. *Application of Information Theory to DNA Sequence Analysis*. **Patrick Tucker '12** (sponsor: Professor Ranjan Mukhopadhyay)

POLITICAL SCIENCE

(IN 1ST FLOOR STUDENT LOUNGE—TO THE RIGHT OF THE UC ENTRANCE)

103. *How China makes Friends: Case Study of China-Sri Lanka Relations*. **Yohan Senarath '14** (sponsor: Professor Srinivasan Sitaraman)
104. *Modeling the United Nations*. **Angelica Surra '12, Da Eun Lee '12, Elena Stocchiero '13, Samer Said '12 & Shane D'Lima '14** (sponsor: Professor Srinivasan Sitaraman)

PSYCHOLOGY - (IN TILTON HALL)

105. *Emotion and Vulnerability in Close Intimate Relationships*. **Lindsay Labrecque '12** (in collaboration with Tatiana Gray, graduate student; sponsor: Professor James Córdoba)
106. *Stumbling into Identity: College as the Unrefined Exploration of Agency*. **Alyssa Clark '12 & Adam Kleger '12** (sponsor: Professor Michael Bamberg)
107. *Heterosexual, Gay, and Lesbian Couples' Motivations to Adopt Internationally*. **Stephane Germaine '12** (in collaboration with Hannah Richardson, graduate student; sponsor: Professor Abbie Goldberg)
108. *Jewish Resistance during the Holocaust: The Role of Assimilation and Integration*. **Selin Volkan '12** (sponsor: Professor Johanna Ray Vollhardt) - (Also doing an IDSC poster #81)
109. *Emerging Adulthood in Italy*. **Hannah Atkins '12** (sponsor: Professor Jeffrey Arnett)
110. *Linguistic Markers of Moral Disengagement, Ingroup Glorification & Essentialist Attribution*. **Kulani Panapitiya Dias '13** (sponsor: Professor Johanna Ray Vollhardt)
111. *Children's Symptoms Following Exposure to Female Perpetrated Intimate Partner Violence*. **Ashley McCartney '12** (sponsor: Professor Denise Hines)
112. *Bullying Prevention Program*. **Michelle Collett '12** (sponsor: Professor Kathleen Palm Reed)
113. *An Examination of High School Sex Education Programs and Students' Reliance on Secondary Sources*. **Alicia Gauvin '12—Steinbrecher Fellow** (sponsor: Professor Jeffrey Arnett)
114. *Transitional Measures of Drinking Behavior in High School and College Students*. **Alyssa Dedrick '12** (sponsor: Professor Kathleen Palm Reed)
115. *Lesbians' Parenthood Motivations: Desires, Decisions, and Negotiations*. **Caroline Rossi '12** (in collaboration with April Moyer, graduate student; sponsor: Professor Abbie Goldberg)
116. *Objects of Commemoration: Emergence and Function*. **Stephen Wall '12** (sponsors: Professor Jaan Valsiner & Kenneth R. Cabell, graduate student)
117. *The Culture of Greetings*. **Dawson Ingersoll '14** (sponsors: Professor Jaan Valsiner & Kenneth R. Cabell, graduate student)
118. *The Importance of Homework in Couples Therapy: Treatment Options and Rationales*. **Alana Goldstein '12** (sponsor: Professor James Córdoba)
119. *Expanding Semantic Networks Through Vocabulary Enrichment: A Kindergarten Literacy Intervention*. **Amy Anderson '12, Alessia DiGenova '12, Olivia McGill '13 & Ilana Weiss '14** (in collaboration with Theresa Jackson, graduate student; sponsor: Professor Marianne Wiser)
120. *Influences of Empathy and Remorse on Attitudes Towards an Outgroup*. **Aysha Araibesh '12** (sponsor: Professor Johanna Ray Vollhardt)
121. *Parent's Stressful Life Events and Self-Esteem of Children: The Mediating Role of Parental Autonomy Support*. **Tiffany Kline '13** (in collaboration with Elizabeth Flamm, graduate student; sponsor: Professor Wendy Grolnick)
122. *Perceptions of Child Competence: Parent Reports, Child Reports and their Discrepancies Predict Outcomes*. **Jacqueline Pacella '13** (in collaboration with Elizabeth Flamm, graduate student; sponsor: Professor Wendy Grolnick)
123. *Bystander Intervention Program Effectiveness by Gender*. **Dani Dimitrova '12** (sponsor: Professor Denise Hines)
124. *Effects of Acknowledgment of Past Victimization on Present-Day Intergroup Relations*. **Magali Lemahieu '13** (in collaboration with Lucas Mazur, graduate student; sponsor: Professor Johanna Ray Vollhardt)
125. *Psychological Consequences of Acknowledgment and Denial: The Case of the Armenian Genocide*. **Sareen Dilsizian '12** (in collaboration with Lucas Mazur, graduate student; sponsor: Professor Johanna Ray Vollhardt)

PSYCHOLOGY (CONTINUED) - (IN TILTON HALL)

126. *Describing Relationship Labeling: Fluid and Static Processes.* **Nicole Sullivan '12** (sponsors: Professor Jaan Valsiner & Kenneth R. Cabell, graduate student)
127. *Accounts of Resistance from Jewish Holocaust Survivors.* **Enrica Filippi '12** (sponsor: Professor Johanna Ray Vollhardt)
128. *Case Study of Fred Kort: A Path to Resistance During the Holocaust.* **Jeanine Trinh Le '12** (sponsor: Professor Johanna Ray Vollhardt)
129. *The Effects of Parental Autonomy Support and Provision of Structure on Child Internalizing and Externalizing Outcomes.* **Lindsey King '13** (in collaboration with Elizabeth Flamm, graduate student; sponsor: Professor Wendy Grolnick)
130. *The Progression of Annihilation: Nazi Propaganda and the Stereotype Content Model.* **Kyle Benson '12** (sponsor: Professor Johanna Ray Vollhardt)
131. *Categorization at Clark? Exploring First Year Identity Through Narrative.* **Yonathan Bassal '14 & Amanda Berg '13** (sponsor: Professor Michael Bamberg)
132. *Understanding Affect: A Microgenetic Look at Graphic Impact.* **Laura Peres '12** (sponsors: Professor Jaan Valsiner & Kenneth R. Cabell, graduate student)
133. *Living Abroad: A Three-Level Model of Immersion.* **Aleksandra Kaszowska '12** (sponsors: Professor Jaan Valsiner, Kenneth R. Cabell & Nikita Kharlamov, graduate students)
134. *Pathways of Pressure: The Self and the Other.* **Gregory Minikes '14** (sponsors: Professor Jaan Valsiner & Kenneth R. Cabell, graduate student)
135. *Pregaming and Social Anxiety.* **Julia Rubin '12** (sponsor: Professor Kathleen Palm Reed)
136. *Are belief, value and risk, predictors for pro-environmental behavior?* **Zarinah Skerritt '14** (in collaboration with Katherine Lacasse, graduate student; sponsor: Professor James Laird)
137. *A Cross-Cultural Comparison of Perceptions of Depression and Help-Seeking Behaviors.* **Irene Zhang '12** (sponsor: Professor Laura McKee)
138. *Black Women's Thoughts/Perceptions of Valued Characteristics in a Potential Long-term Partner.* **Kaleen Carimbocas, '12** (sponsor: Professor Rachel Falmagne)
139. *Mate Selection of Adult Children of Substance Users.* **Renata Surette '12** (in collaboration with Melinda Morrill, graduate student; sponsor: Professor James Córdova)
140. *Family/Social Support and Substance Abuse.* **Renata Surette '12** (sponsor: Professor Kathleen Palm Reed)
141. *Free facelift! The effects of smiling on perceived age and attractiveness.* **Brook Gruber '12, Anastasiya Blyum '12, Robyn Solomon '12 & Shaina Andrews '12** (sponsor: Professor James Laird)
142. *Children's Collaboration and Communication patterns in an Indigenous Mexican Community and Cosmopolitan city as related to gender.* **Stephanie Carteiro '13** (in collaboration with Heather Mangione, graduate student; sponsor: Professor Maricela Correa-Chavez)
143. *They Just Didn't Understand the Markets: Using TEM to Map a Career in Finance.* **Aaron Landis '13** (sponsors: Professor Jaan Valsiner & Kenneth R. Cabell, graduate student)
144. *Attitudes Towards Mental Health Treatment Among Latino and Asian College Students.* **Victor Figueroa '12** (sponsor: Professor Esteban Cardemil)
145. *Cultural Values Instilled By Mothers Of An Indigenous P'urepecha Community In Mexico.* **Andrea Hernandez '14** (in collaboration with Heather Mangione, graduate student; sponsor: Professor Maricela Correa-Chavez)
146. *The Effects of Values on Environmental Actions.* **Kathryn Lally '14** (in collaboration with Katherine Lacasse, graduate student; sponsor: Professor James Laird)
147. *Relationships and Predictors of Green Behavior.* **Francesca Householder '14** (in collaboration with Katherine Lacasse, graduate student; sponsor: Professor James Laird)

PSYCHOLOGY (CONTINUED) - (IN TILTON HALL)

148. *Boundaries and Borders at Ground Zero*. **Adrian Blackadar '12, David Gross '13, Rose Koerner '14, Bridget Kim '13, Kellee Kosiorek '14, Mark Kruger '12, John Nichols '13, Stephanie Nguyen '12, Molly Prince '13, Austin Tuttle '12 & Jenna Zarou '14** (in collaboration with Margaret Campbell, graduate student; sponsor: Professor Zachary Beckstead)
149. *Cardinality is Not Cardinality is Not Cardinality: Exploring Children's Understanding of Number concepts and Counting Principles*. **Karissa Senterfitt '12 & Sharon Meheran '12** (sponsor: Professor Marianne Wiser)
150. *Latino mental health: The role of machismo and acculturation on Latino male depression*. **Natalia Jaramillo '12** (in collaboration with Oswaldo Moreno, graduate student; sponsor: Professor Esteban Cardemil)
151. *A Cultural Psychological Application of Semiotic Processing Within Shared Subjective Realities*. **Kevin Carriere '14** (sponsors: Professor Jaan Valsiner & Kenneth R. Cabell, graduate student)
152. *Latino Men and Depression: Symptoms, Coping, and Help-seeking*. **Robert Rosales '12** (in collaboration with Oswaldo Moreno, graduate student; sponsor: Professor Esteban Cardemil)
153. *Which Comes first? Number or Amount of Stuff?* **Lindsey Gedaly '13 & America Young '12** (sponsor: Professor Marianne Wiser)
154. *Socialization of Positive Emotion: A Qualitative Study of African American Single Mothers*. **Kelsey Spratt '12** (sponsor: Professor Laura McKee)

STUDY ABROAD - (IN TILTON HALL)

155. *From Ghana to Worcester: Encouraging Leadership Development in Youth Locally and Abroad*. **Kelsey Spratt '12** (sponsors: Adriane van Gils & Connie Whitehead Hanks)

THEATRE - (IN TILTON HALL)

156. *New Play Festival*. **Sharon Broadway '14, Spencer Curry '12, Isaac Goodman Boyd '14, Michelle Houle '13, Thaddeus Kelly '12, Alexander Kump '13, Shauna Noone '14, Alexandra Tennant '13 & Hannah Yukon '14** (sponsor: Professor Gino DiIorio)

WOMEN AND GENDER STUDIES - (IN TILTON HALL)

157. *The Influence of Race and Socioeconomic Status on Altruistic Behavior*. **Alison Tran '12** (sponsor: Professor Kristen Williams)

PRESENTATIONS, PANELS, & PROJECTS
12:00-5:00PM (UC)

GRACE CONFERENCE ROOM
(1ST FLOOR—LEFT OF THE UC ENTRANCE)

SOCIOLOGY DEPARTMENT/LEEP LAB PRESENTATION

12:00-1:00

PANEL DISCUSSION

Transitioning to College: The Impact of Clark's New FYI Requirement. **Jarrold Brennet '12, Amanda D'Andrea '12, Devon Grayson-Wallace '12 & Kathryn Nowoswiat '12** (sponsors: Professor Deborah Merrill & Associate Dean Mary-Ellen Boyle, and graduate student Danielle Fontaine)

SOCIOLOGY DEPARTMENT HONORS RESEARCH

1:15-3:00

A Comprehensive Study of Foreclosure Patterns in the City of Worcester, Massachusetts. **Jarrold Brennet '12** (sponsor: Professor Robert J.S. Ross)

Memory Work: Creating Holocaust Memorials and Museums in America. **Christine Covino '12** (sponsor: Professor Shelly Tenenbaum)

The Rules are Made to Be Broken: Dating and Hooking Up on Campus. **Amanda D'Andrea '12** (sponsor: Professor Osnowitz)

The Grandparent-Grandchild Bond Through Young Adulthood. **Devon Grayson-Wallace '12** (sponsor: Professor Deborah Merrill)

College Students' Plans to Marry in the 21st Century. **Kathryn Nowoswiat '12** (sponsor: Professor Deborah Merrill)

MATHEMATICS & COMPUTER SCIENCE DEPARTMENT PRESENTATIONS

3:00-4:00

Computer Animation and Games in Scratch. **Students in CSci 99 - Spring 2012 Course** (sponsor: Professor Li Han)

4:00-4:20

Creating an Audio Game Prototype in MAX/MSP. **Alex Minkoff '12** (sponsor: Professor Li Han)

4:20-4:50

Random Forests and Their Application to Credit Scoring. **Elias Derian '12** (sponsor: Professor Stacey Hancock)

4:50-5:10

Configuration Spaces and Path Planning of Planar Convex Polygons. **Jake Kramer '12 & Michael Pietras '12** (sponsors: Professor Li Han & Professor Lee Rudolph)

PRESENTATIONS, PANELS, & PROJECTS

12:00-5:00PM (UC)

LURIE CONFERENCE ROOM

(1ST FLOOR—LEFT OF THE UC ENTRANCE)

HISTORY DEPARTMENT PRESENTATIONS

12:00-2:00

Growing up to it: Emerging Adulthood among Elite Antebellum Women.

Madeline DeDe-Panken '12 (sponsor: Professor Amy Richter)

The Isolationist Moment: An Analysis of Neutrality Legislation in the United States from 1935-1941. **Dan Gilbert '12** (sponsor: Professor Doug Little)

Shift: The United States, Great Britain, and Greece, 1940-1947. **Julian Kronick '12** (sponsor: Professor Doug Little)

Fragments of a Story: The Collapse of Bronze Age Civilization ca. 1200 BCE.
Sean Minahan '12 (sponsor: Professor Paul Burke)

Recovering Writers: Literary Works from 'Rightists' and 'Counter- Revolutionaries' after the Cultural Revolution. **Marian Stacey '12** (sponsor: Professor Paul Ropp)

Continuity and Conflict: Crusader and Mongol Imperialism c. 1244-1291 C.E.
Curtis Wiemann '12 (sponsor: Professor Wim Klooster)

2:00-2:20

Masculinity in the Media: Exploring Media's Role in Shaping Socio-Cultural Definitions of Gender; Senior Honors Thesis - **Andrew Renard '12 - Steinbrecher Fellow** (sponsor: Professor Nina Kushner)

ART HISTORY PRESENTATIONS

2:30-2:50

The Pollock mystique: Constructed in the Eyes of Popular Culture. **Jared Packard-Winkler '12** (sponsor: Professor Kristina Wilson)

2:50-3:10

Can you CopyRight a Square? Examining Kazimir Malevich's Legacy and the issue of Authenticity in Unattributed art from the Russian Avant-Garde. **Molly Gumpert '12** (sponsor: Professor Kristina Wilson)

3:10-3:30

Antiochia ad Cragum Temple Reconstruction Project. **Amelia Reno '12 - Steinbrecher Fellow** (sponsor: Professor Rhys Townsend)

3:30-4:30

STEINBRECHER FELLOWSHIP PROGRAM

Nepal: Summer 2011. **Agnes Beckmann '12** (sponsor: Professor Frank Armstrong)

Bikes in Tall Grass: The Effects of Reservation Life on the Youth of the Cheyenne River Reservation. **Alison Canino '12 & Kathleen Dolan '12** (sponsor: Professor Shelly Tenenbaum)

The Grandparent-Grandchild Bond Through Young Adulthood. **Devon Grayson -Wallace '12** (sponsor: Professor Deborah Merrill)

Conceptualizing European Law. **Elena Stocchiero '13** (sponsor: Professor Michael Butler)

PRESENTATIONS, PANELS, & PROJECTS
12:00-5:00PM (UC)

PERSKY CONFERENCE ROOM (2ND FLOOR—BEHIND MAILROOM)

COMPARATIVE LITERATURE PRESENTATIONS

1:00-2:00 *The Reconstruction of Another: An Intertextual Analysis of Pedro Almodóvar's 'The Skin I Live In'.* **Eli Marie Smedsrud '12** (sponsor: Professor Marvin D'Lugo)

Filling the Emptiness in Hirokazu Koreeda's Air Doll. **Joshua Yocum '12**
(sponsor: Professor Alice Valentine)

The Postwar Crisis of Masculinity: Effects of Defeat on Men, Women, and the Family in Germany and Japan. **Sara Iacovelli '12** (sponsors: Professor Robert Tobin & Professor Alice Valentine)

2:00-4:00 *From Amadeus to Austropop: Reimagining Austrian National Identity Through Music.* **Jean Dao '12** (sponsor: Professor Robert Tobin)

Interpretations of Gauchos through Animation. **Shawna Marks '12** (sponsor: Professor Marvin D'Lugo)

Enajenación Nacional: Exploring Questions of Belonging in Porteño Culture.
Nicholas Gurney '12 (sponsor: Professor Marvin D'Lugo)

Gender Through the Scope of the Argentinean Tango. **Emma Greenstein '12, & Maria Shteinlukht '12** (sponsor: Professor Marvin D'Lugo)

Japanese Women Artists: Provoking Superflat Fantasies. **Shannon Magrane '14** (sponsor: Professor Alice Valentine)

Emptying and Emptiness: Images of Expulsion and Compulsion from Post-War Japan. **Marian Stacey '12** (sponsor: Professor Alice Valentine)

The Evolution of Sensei in Japanese Cinema. **Michael Steigman '12** (sponsor: Professor Alice Valentine)

Representing Women in Japanese Advertising, during and after WWII.
Laurellin Wardell '13 (sponsor: Professor Alice Valentine)

PRESENTATIONS, PANELS, & PROJECTS

12:00-5:00PM (UC)

ROSENBLATT CONFERENCE ROOM

(1ST FLOOR—LEFT OF THE UC ENTRANCE)

INNOVATION & ENTREPRENEURSHIP PRESENTATIONS

12:15-12:35 *GoruEvents*. **Zach Eaton '13, Lamar Duffy '12 & Sam Roleru '13** (sponsor: Professor Steven Rothschild)

12:35-1:00 *Diabetes Smartphone App*. **Kate Minister '12, Mitchell Renshaw '12, Andrew De Vito '12 & Christopher Johnson '12** (sponsor: Professor Steven Rothschild)

1:00-1:20 *SafeSiren*. **Axel Kanakan '12, Victor Figuereo '12, John Hart '12 & Mary Kathryn Cleminson '12** (sponsor: Professor Steven Rothschild)

MANAGEMENT DEPARTMENT PRESENTATION

1:25-1:45 *Thompson Technology: Addressing Employee Disengagement*. **Jong Whan (Calvin) Choi '12, Jai Sung Lee '14, & Steve Harkey '12** (sponsor: Professor Donna Gallo)

IDSC PRESENTATIONS

2:00-2:20 *Technology and Climate Justice: Narratives in Grassroots Climate Change Activism*. **Katherine McGonagle '12** (sponsor: Professor Jennie Stephens)

2:20-2:40 *Matapalo Relationships: Aid Effectiveness and the Development of Local Agency in Petén, Guatemala*. **Samuel Moody '12** (sponsor: Professor Liza Grandia)

POLITICAL SCIENCE HONORS THESES PRESENTATIONS

3:00-4:00 *The Mobilization and Retreat of Prisoner-initiated Civil Rights Litigation as Institutional Dialogue*. **Matthew Diamond '12** (sponsor: Professor Mark Miller)

The Impact of Social Media on Campaigning in Local Elections. **Audrey Eisemann '12** (sponsor: Professor Sharon Krefetz)

From Negative to Positive Peace: Georgia and its Breakaway Regions of Abkhazia and South Ossetia. **Tamar Gzirishvili '12** (sponsor: Professor Valerie Sperling)

ENGLISH DEPARTMENT PRESENTATIONS
SPECIAL COLLECTIONS—1ST FLOOR OF GODDARD LIBRARY
(NEXT TO ACADEMIC COMMONS)

2:00 pm –4:00 pm **“The Archive Detectives”**

Interdisciplinary archival research presentations on book history and print culture from (1600—1900)

Christopher Booth '13
Alexander Geyster '13
Katharine Gill '12
David Lwamugira '14
Katelyn McPhillips '12
Zachary Meager '12
Kathryn Natale '12
Daniel Zeliger '12

Comments by Carly Lenz '12 and Angela Woodmansee, MA '13

Rare items from Special Collections available for examination after presentations.
(sponsor: Professor Meredith Neuman)

TRAINA CENTER FOR THE ARTS
SCHILTKAMP GALLERY, 92 DOWNING STREET

Reception 4:00 pm –6:00 pm

*Visual & Performing Arts: **Studio Art: Senior Thesis 2012 Exhibition***

This annual exhibition showcases the work by senior studio art majors who have undertaken senior thesis projects. This year the students are:

Geraldo Aldarondo '12, Kyle Allen '12, Molly Burman '12, Nina Eichner '12, Victoria Grogan '12, Brook Gruber '12, Alan Grunberg '12, Megumi Koyama '12, Victoria Krinsky '12, Caitlin O'Brien '12, Dwight J. Packard-Winkler '12, Richard Segal '12, Sampson Wilcox '12, Elizabeth Mattarazzo '12 (sponsor: Professor Stephen DiRado)

Opening Reception: 4:00 pm—6:00 pm Today, April 25, 2012

TRAINA CENTER FOR THE ARTS
RAZZO HALL, 92 DOWNING STREET

Course/Project Description:

SCRN 208 - Advanced Digital Production: Narrative Fiction

Professor Stéphanie Larrieux

The student filmmakers enrolled in this workshop have used digital video technology to explore cinematic form and style specifically through the craft of narrative fiction visual storytelling. All semester long, they have worked individually and collaboratively to develop a short-form narrative project from script to screen using sound and image. Through a series of production exercises and projects, lectures, readings, screenings, in-class critiques, and peer reviews, they have refined their critical and aesthetic sensibilities as expressed in these culminating works.

We invite you to attend the premiere of the final films, which will take place on Wednesday, April 25, 2012 in Razzo Hall at 6:30 pm. All are welcome.

The Filmmakers and Their Films:

Sarah Harker, Class of 2014, Saudade

Christopher Hnatowicz, Class of 2014, Freshman Year

Max Hooley, Class of 2012 (Expected), The Phone Call

Alison Mayer, Class of 2013, Epsilon

Anmol Nankani, Class of 2014, The Plan

TRAINA CENTER FOR THE ARTS
RAZZO HALL, 92 DOWNING STREET

at 4:00 pm

Interactive Computer Music & Video Projects:

Mohammad Ziyad Habib '13, Alex Minkoff '12, Adam Kerchman '12, Matt Pike '13 & Nick Bisceglia '12 (sponsor: Professor Matt Malsky)

Academic Spree Day Coordinator: Professor James Córdova
Staff Coordinator: Karen Wilber