

# FALL FEST & SALUTE TO STUDENT SCHOLARS

OCTOBER 25, 2013

**WELCOME** to Fall Fest and Salute to Student Scholars, two Clark traditions designed to showcase and recognize our undergraduate students' academic achievements.

Previously held on separate days, the events have been combined to create a full day of celebration this year. Please join us in supporting and celebrating these scholarly accomplishments!

**FALL FEST | 1-4 PM**

ACADEMIC COMMONS | FULLER CONFERENCE ROOM  
GODDARD LIBRARY

**SALUTE TO STUDENT SCHOLARS | 4-5:30 PM**

DANIELS THEATER | ATWOOD HALL



# FALL FEST

This event celebrates the research and creative work Clark undergraduate students produce with the support and mentoring of the University's distinguished faculty and staff, and illustrates the University's commitment to LEEP. Many of the projects on display today have been supported by various University programs, including Steinbrecher Fellowships, the LEEP Pioneer initiative, the Theodore Barth Foundation Internship Awards, NOAA Fellowships, HERO Fellowships, and the Lois and Robert Green Urban Development and Social Change (UDSC) Summer Internships.

## What is LEEP (Liberal Education and Effective Practice)?

At Clark, we are pioneering a model of liberal education: Liberal Education and Effective Practice (LEEP) that combines a traditional liberal arts experience with authentic engagement in the world and workplace. This innovative model integrates the wealth of intellectual and academic resources already present at the university with the skills and capacities that are becoming increasingly essential in the 21st century. The Clark undergraduate experience in all its dimensions—from the classroom to the research laboratory, from the cocurricular experience to teams and clubs—will educate graduates who will become known not just for academic excellence, but also for resilience, persuasion, creativity, and the ability to demonstrate character when tested.

## Steinbrecher Fellowship Program

In 2005, the family and friends of Clark alumnus David C. Steinbrecher '81 created the Steinbrecher Fellowship program with a generous gift to establish a permanent endowment, in memory of David, that provides fellowships for Clark undergraduates to pursue original ideas, creative research, public service or enrichment projects. The Steinbrecher Fellowship also seeks to create and maintain a vibrant community of learners by bringing Fellows together with a small group of faculty mentors to share ideas, experiences, and intellectual excitement at dinners and other special gatherings several times during each academic year.

## LEEP Pioneer Program

The LEEP Pioneer program provides opportunities for students to complete LEEP Projects while receiving close mentoring and comprehensive programming support. The LEEP Project is an opportunity for Clark students—typically juniors and rising seniors—to take what they've learned in the classroom and explore its real-world applications. LEEP Projects take different forms, such as creating a product for a local business, assisting families in a developing country, working alongside a researcher in a lab either on campus or in the field, or providing research to support a sustainability initiative. Throughout their LEEP Projects students reflect on their experience and relate what they are learning to future goals. LEEP Projects culminate in a campus presentation at Fall Fest that offers the opportunity to hone essential public speaking skills.

### Theodore Barth Foundation Internship Award

Thanks to the generosity of the Theodore Barth Foundation, Career Services offers undergraduate students up to \$2,500 to support unpaid summer internships in the nonprofit sector. This funded internship opportunity is open to first-years, sophomores, and juniors.

### NOAA Fellows Program

Scientists and managers with the National Oceanic and Atmospheric Administration (NOAA) have partnered with Clark University to offer qualified undergraduate students paid summer field internships. Opportunities are available in NOAA labs and offices nationwide, working in fields such as applied ocean and atmospheric science, policy, and science communication.

### HERO Fellows Program

The Human-Environment Regional Observatory (HERO) program is a unique undergraduate-graduate-faculty experience that engages in research on human-environment relationships in Massachusetts. HERO Fellows conduct hands-on research under the mentorship of Clark University faculty. The research conducted by HERO Fellows often leads to scholarly publications, presentations at academic conferences across the U.S., and awards and honors.

### Lois and Robert Green Urban Development and Social Change (UDSC) Summer Internship Program

The Urban Development and Social Change Program offers a paid summer internship for a continuing Clark undergraduate student, made possible by a generous endowed fund established by Clark alumni Lois and Robert Green. The intern assists a Worcester City Councilor or the staff of a Worcester city government agency or nonprofit organization with a variety of projects and activities aimed at addressing issues of concern to residents of Worcester.

## SUMMER RESEARCH & LEEP PIONEER POSTERS/PRESENTATIONS

From 1 to 4 p.m. students will display their research findings through posters and electronic media (PowerPoint) presentations. **Posters and PowerPoint slide shows are found on both the 1st and 2nd floors of the Goddard Library. Oral presentations are being held on the 4th floor of the library in the Fuller Conference room.** Please enjoy some light refreshments found upstairs on the 2nd floor — thank you for coming!

### Art History/Foreign Language and Literature

1. *Digital Archaeology at Harvard's Giza Project*. Luke Rushing '14, LEEP Pioneer (sponsor: Professor Rhys Townsend)

### Biochemistry and Molecular Biology

2. *Early BMP signaling is necessary for proper development of the brain, eyes and foregut in the annelid *Capitella teleta**. Michele Corbet '14, LEEP Pioneer (sponsor: Professor Neva Meyer)
3. *Physiology of the marine bacterium *Roseobacter denitrificans* under carbon and nitrogen starvation*. Clive Green '14, LEEP Pioneer (sponsor: Professor Joseph Tang)
4. *Elucidation of the Mechanism for the Inhibition of Amyloid Formation by Rosmarinic Acid*. Gregory O'Sullivan '14, LEEP Pioneer (sponsor: Professor Noel Lazo)
5. *Effects of Different Light Intensities on *Chlorobaculum tepidum**. Yadana Khin '15 (sponsor: Professor Joseph Tang)

6. *Understanding the role of IAPP's disulfide between Cys2 and Cys7 in the formation of alpha-helical intermediates.* Lina Kroehling '14 (sponsor: Professor Noel Lazo)
7. *Determining the Structure of Oligomers Formed From Pyroglutamate Amyloid Beta (3-42) Peptide and Wildtype A $\beta$  (1-42).* Travis Stutzer '14 (sponsor: Professor Noel Lazo)

## Biology

8. *Development of Molecular Assays to Test the Efficacy of a Novel Transmission Blocking Vaccine Targeting Plasmodium Falciparum.* Oyindamola Adefisayo '14, LEEP Pioneer (sponsor: Dr. Patrick Duffy and Professor Justin Thackeray)
9. *Confirmation of arsenate reductase activity by denitrovibrio acetiphilus protein YP\_003504839 using cross-species complementation.* Amanda Barbosa '14 (sponsor: Professor Heather Wiatrowski)
10. *Screening for Mutant SI Alleles in Drosophila Melanogaster.* Spencer Brightman '14 (sponsor: Professor Justin Thackeray)
11. *Characterization of the 3' Untranslated Regions of Modified Nitrate Reductase Transgenes in the Marine Diatom Thalassiosira pseudonana.* Joshua Buggé '14 (sponsor: Professor Deborah Robertson)
12. *Preliminary Survey of Habitat Preference in Margaritifera margaritifera.* Thomas Carroll '13 (sponsor: Professor John Baker)
13. *Inhibition of BMP Signaling in Capitella teleta.* Rebecca Friedman '14 (sponsor: Professor Neva Meyer)
14. *Habitat Assessment of Buffered and Non-buffered Zones of the Mousam Branchbrook Little River Estuary.* Faye Harwell '15, NOAA Fellow-supported jointly by the Mosakowski Institute and the Marsh Institute (sponsor: Professor Deborah Robertson)
15. *The Effect of Land Cover on Freshwater Macroinvertebrates in the East Branch of the Swift River in Petersham, Massachusetts.* Maria Gabriela Jijon '14, LEEP Pioneer & Global Scholars Program (sponsor: Professor John Baker)
16. *Neurogenesis and Neural Stem Cells in the annelid Capitella teleta.* Lauren Koppel '14, LEEP Pioneer (sponsor: Professor Neva Meyer)
17. *Cloning of DdCDC20.* Kyle Lewis '14 (sponsor: Professor Denis Larochelle)
18. *Effect of Temperature on the Interaction between Aedes Aegypti and Ascogregarina Taiwanensis.* Marco Notarangelo '15 (in collaboration with John Soghigian, graduate student; sponsor: Professor Todd Livdahl)
19. *Comparison of life history traits between Newfoundland and Alaskan threespine stickleback.* Jenna Kosmo '15, LEEP Pioneer (sponsor: Professor John Baker)
20. *Comparison of morphological characteristics among Threespine Stickleback (Gasterosteus aculeatus) populations in Newfoundland, British Columbia and Alaska.* Jason Moreira '14, LEEP Pioneer (sponsor: Professor John Baker)
21. *Variation in Newfoundland Threespine Stickleback.* Emma O'Melia '15, LEEP Pioneer and Steinbrecher Fellow (sponsor: Professor Susan Foster)
22. *The Effects of Substrate Particle Diameter on Non-Steady State Locomotion of Steppe Runner (Eremias arguta).* Kyle Pettinelli '14, LEEP Pioneer (sponsor: Professor Philip Bergmann)

23. *Nocodazole and D. Discoideum/NES of CenBKO*. Allen Roth '14 (sponsor: Professor Denis Larochelle)
24. *Identifying Binding Partners of Nuf2 in Dictyostelium discoideum*. Jenny Six '14 & Xiang Ren, Graduate Student (sponsor: Professor Denis Larochelle)
25. *Interactions Between CentrinB and Rad4 in Dictyostelium discoideum*. Jeff Stanmyer '14 (sponsor: Professor Denis Larochelle)
26. *Cloning Py2 mer Operon in Xanthobacter Autotrophicus*. Erin Thayer '14, LEEP Pioneer (in collaboration with Colin Rutner, graduate student; sponsor: Professor Heather Wiatrowski)
27. *How Tannin Levels Impact Early Development in Three-Spined Stickleback*. Laura Urciuoli '14, LEEP Pioneer (sponsor: Professor John Baker)
28. *Analysis of Microbial Communities from the Massachusetts Alternative Septic System Testing Center*. Alexander Vickers '14 (sponsor: Professor Heather Wiatrowski)

### Chemistry

29. *High Aspect Ratio Gold Nanorods Displayed Augmented Cellular Internalization and Surface Chemistry Mediated Cytotoxicity*. Madeleine DeBrosse '14, LEEP Pioneer (sponsor: Professor Sergio Granados-Focil)
30. *SYNTHESIS, STRUCTURE, AND MAGNETIC BEHAVIOR OF [Cu<sub>2</sub>(2-AMINO-5-(TRIFLUOROMETHYL)PYRIDINE)<sub>4</sub>(OH)<sub>2</sub>](ClO<sub>4</sub>)<sub>2</sub>·(2-AMINO-5-(TRIFLUOROMETHYL)PYRIDINE)<sub>2</sub>*. Ruth L. Forman '14 (sponsor: Professor Mark Turnbull)
31. *GoodEd: Smart Sex Ed*. Clark Jackson '14, LEEP Pioneer (sponsor: Professor Ernest Krygier)
32. *Diblock Copolymer Micelles as Templates for Metal Nanoparticle Synthesis (Chemistry/ Physics)*. Derek Luong '13, Leo Bayless-Hall '14, Xiaorui Chen, graduate student & Yisrael Lattke '15, (Donald J. Nelson Fellowship) (sponsors: Professor Sergio Granados-Focil & Professor Michael Boyer)
33. *Synthesis of Hydrazine-Functionalized Lysine: A Convenient Pathway to Modify Amino Acids for Solid-Phase Peptide Synthesis*. Blaine McCarthy '15, Steinbrecher Fellow & Nick MacArthur '16 (sponsor: Professor Charles Jakobsche)
34. *Effects of ocean acidification on pteropods off the coast of Washington*. Laura Migliaccio '14 (sponsor: Professor Nina Bednarsek)
35. *Polymeric phase-change materials for temperature regulation*. Kelli Stockmal '14 (sponsor: Professor Sergio Granados-Focil)
36. *Synthesis of Anti-MRSA Dolabellane Alcohol*. Brooke Yasgur '14 & George Carlson '14 (sponsor: Professor Charles Jakobsche)

### Cross Disciplinary

37. *Clark's Sustainable Landscape Master Plan*. Gigi Chow '14, LEEP Pioneer (sponsor: Jenny Isler)
38. *Sustainability within Athletics*. Megan Grondin '14, LEEP Pioneer (sponsor: Jenny Isler)
39. *What does it mean to be a Clarkie?: Bringing Together The Clark Community Thrift Store and Clark Community*. Sarah Philbrick '15, LEEP Pioneer (sponsor: Jenny Isler)
40. *Food Landscapes: Why Go Local?* Kira Foley '14, LEEP Pioneer (sponsor: Amy Whitney)

41. *Exploring Liberal Arts Through Videography*. Andrew Doig '14, LEEP Pioneer (sponsor: Mike Sullivan)
42. *Special Events and Operations at WaterFire*. Chelsea Kryspin '14, LEEP Pioneer (sponsor: Kathryn Caponera)
43. *International Measles Initiative Project Coordinator at the American Red Cross of Central and Western Massachusetts*. Allegra Marra '14, LEEP Pioneer (sponsor: Micki Davis)
44. *The American Red Cross of Central and Western MA*. Holly Palardy '14, LEEP Pioneer (sponsor: Micki Davis)
45. *StoryWalk Festival 2013 (a project of RSVP — Worcester Area Volunteers)*. Surya Ry '14, LEEP Pioneer & Rebecca Bernstein '14, LEEP Pioneer (sponsors: Professor Alice Valentine; Shawn Goodspeed)
46. *Healthcare/Infrastructure Mapping Project in Bo, Sierra Leone*. Dylan Sansone '14, LEEP Pioneer & William Cretinon '14, LEEP Pioneer (sponsor: Professor Yelena Ogneva-Himmelberger)
47. *Closing the Opportunity Divide — A Summer at year Up*. Tara Barnes '15, Barth Intern (sponsor: Career Services/Political Science — UDSC Concentration)
48. *The Esperanza Project*. Tatiana Chunis '14, LEEP Pioneer & Barth Intern (sponsor: Career Services)
49. *A Peek of the Congressional World and the Experiences of Constituents*. Deborah Ibonwa '14, Barth Intern (sponsors: Career Services/Political Science)
50. *Center for Integrated Training and Education — actiUD Project: International Drug Law and Drug Policy Research and Translation Internship*. John Preston '14, Barth Intern (sponsors: Career Services/Comparative Literature)
51. *Summer 2013 Internship-Apollinaire Theatre Company*. Lillian Schley '15, Barth Intern (sponsors: Career Services/Theater)
52. *Ceasefire*. Rachel Spera '14, Barth Intern (sponsors: Career Services/Psychology)
53. *Nicotine Addiction in Animal Models of ADHD*. Matthew Thompson '14, Barth Intern (sponsors: Career Services/Biology & Psychology)

## Economics

54. *Hampton Properties LLC LEEP Project*. Yonathan Bassal '14, LEEP Pioneer (sponsor: Mike McKenna)
55. *Metropolitan Statistical Area (MSA) Analysis — Determinants of Emerging Markets*. Asniya Iqbal '14, LEEP Pioneer (sponsor: Professor John Brown)
56. *Socio-Economic support for the NOAA Office of National Marine Sanctuaries, Silver Spring, MD*. Desiree Jerome '14, NOAA Fellow-supported jointly by the Mosakowski Institute and the Marsh Institute (sponsor: Professor Jacqueline Geoghegan)
57. *Novartis Oncology Operations*. Andrew Musler '14, LEEP Pioneer (sponsor: Professor Dessislava Slavtcheva)
58. *Small Business Development: Microfinance Project*. Melissa Picon '14, LEEP Pioneer (sponsor: Professor Jude Fernando)

## Education

59. *The Complexities of Non-Profit Work*. Camille Adeoye '14, LEEP Pioneer (sponsor: Professor Eric DeMeulenaere)

## English

60. *John Steinbeck's Phalanx Theory*. Claire McDonald '14 (sponsor: Professor James Elliott)

## Environmental Science

61. *Thermokarst Lake Carbon Storage and Transport near Cherskiy, Northeast Siberia*. Sam Berman '14, LEEP Pioneer & Steinbrecher Fellow (sponsor: Professor Karen Frey)
62. *Ecology and Conservation of Pacific Salmon in the Cedar River Watershed, Seattle, WA*. Gina Jenkins '14, NOAA Fellow-supported jointly by the Mosakowski Institute and the Marsh Institute (sponsor: Professor Karen Frey)
63. *Building Value in the Clark University's Hadwen Arboretum*. Samuel Mix '14, LEEP Pioneer (sponsor: Jenny Isler; for Physical Plants & Grounds)

## Foreign Languages & Literature

64. *Creating a Subject-specific Index*. Alison Russo '14 (sponsor: Professor María Acosta Cruz)

## Geography

65. *The effect of bark beetles on Spruce-Fir stands in the Colorado Rockies over many outbreaks*. Waldie Anderson '14 (in collaboration with Nate Mietkiewicz, graduate student; sponsor: Professor Dominik Kulakowski)
66. *A fine-scale analysis of how local stand properties and individual tree attributes affect susceptibility to spruce beetle outbreak in a Colorado subalpine forest*. Felicia Bakaj '14 (sponsor: Professor Dominik Kulakowski)
67. *Spatial Analysis of Home Health Care Quality, Costs, and Risk Assessment Throughout Southern New England*. Anastassios Dardas '14, LEEP Pioneer (sponsor: Professor John Rogan)
68. *Assessing risk due to climate change: Exposure and sensitivity measurements for coastal pelagic species in the California Current Ecosystem*. Lucas Earl '14, NOAA Fellow-supported jointly by the Mosakowski Institute and the Marsh Institute (sponsor: Professor Christopher Williams)
69. *Mapping livelihood vulnerability to mineral extraction in Madre de Dios Peru*. Zoe Ritter '14, LEEP Pioneer (sponsor: Professor John Rogan)

## Global Environmental Studies

70. *Sustainable Living at the Barred Owl Retreat*. Joanne Barrett '14, LEEP Pioneer, Sara Baker-Flynn '14, LEEP Pioneer & Rebecca Miller '15, LEEP Pioneer (sponsor: Professor Jessica Bane-Robert)

## HERO

71. *HERO Summer 2013 Beetle Impact Assessment Team: Remote Sensing Methods*. Michelle Andrews '14 & Sean Cunningham '14 (sponsors: Professor John Rogan & Professor Deborah Martin)
72. *Driver Variables for Land Surface Temperature Increase: HERO Summer 2013*. Gaia Khairina '15 (sponsors: Professor John Rogan & Professor Deborah Martin)
73. *Examining the Impacts of the Asian Longhorned Beetle Eradication Efforts: Place Making Assessment*. Cody Litchfield '14, Michino Hisabayashi '15 & Joseph Hersh '15 (in collaboration with Shannon Palmer, graduate student; sponsors: Professor Deborah Martin & Professor John Rogan)

## Holocaust and Genocide Studies

74. *A History In Photos: The Strassler Center for Holocaust and Genocide Studies*. Zoe Vallas '15, LEEP Pioneer (sponsor: Mary Jane Rein)
75. *Armenian archiving*. Valerie Johnson '15 (sponsor: Professor Shelly Tenenbaum)

## International Development, Community & Environment (IDCE)

76. *Mapping Health Impacts of Industrial Pollution in Salamanca, Mexico*. Jake Kailey '14 & Shane D'Lima '14, LEEP Pioneers (sponsor: Professor Timothy Downs)

## International Development And Social Change (IDSC)

77. *Photo Voice: Story of Nepali Dalit Women*. Cecelia Rana '14, LEEP Pioneer & Bhumika Regmi '14, LEEP Pioneer (sponsor: Professor William Fisher) — Oral Presentation on 4th Floor of Goddard Library in the "Fuller Conference Room" — (3-3:20 pm)

## Management

78. *Universal Banking: An Assessment of Combining Services*. Daniel Cleveland '14, LEEP Pioneer (sponsor: Professor Frank Jenkins)
79. *Internship with the Worcester Chamber Music Society*. Sara Goldstein '14, LEEP Pioneer (sponsor: Laura Burgess, Program Director GSOM)
80. *Application of Australian Business plan to the American Market*. Anthony O'Mahoney '14, LEEP Pioneer (sponsor: Laura Burgess, Program Director GSOM)
81. *The Veteran's Project: A story of entrepreneurship*. Rebecca Raphaelson '14, LEEP Pioneer (sponsor: Jack Foley)

## Mathematics & Computer Science

82. *Portraying a Clark Club with Computer Animation*. Robert Courtemanche '14 (sponsor: Professor Li Han)
83. *Advice for a Computer Science Major*. Nicholas Iwamoto '15, LEEP Pioneer (sponsor: Barbara Zerillo)
84. *FREUD (Final exam Restructuring to solve Unreasonable Distribution)*. Dana Ferranti '14, LEEP Pioneer & Evan Palmer '14, LEEP Pioneer (sponsor: Professor Li Han)
85. *A Platonic Dialogue*. Olivia Krommes '14, Henry Myers '14 & Evelyn Griffin '14 (sponsor: Professor Lawrence Morris)



86. *Working at CIT-Group: Onboarding and Originations Project*. Saul Ramirez '14, LEEP Pioneer (sponsor: Professor Dominik Reinhold)

87. *SIGMUND*. Rehan Rasool '15 & Samuel Kovaka, '16, LEEP Pioneers (sponsor: Professor Li Han)

## Physics

88. *STM Studies of Topographical Deformities in the Blue-Bronze Rb<sub>0.3</sub>MoO<sub>3</sub>*. Leo Bayless-Hall '14 (sponsor: Professor Michael Boyer)

89. *FFLO States in 2-D Superconductors*. Steven Butler '14 (sponsor: Professor Charles Agosta)

90. *Clark Renewable Energy Microgrid*. Kevin Dunn '15 (sponsor: Professor Charles Agosta)

91. *Spin Orbit Scattering in Organic Superconductors*. Daniel Ellowitz '13 (sponsor: Professor Charles Agosta)

92. *Scanning Tunneling Microscopy measurement on magnetic and nonmagnetic impurities doped Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+x</sub>*. Unurbat Erdenemunkh '14, LEEP Pioneer (sponsor: Professor Michael Boyer)

93. *Imaging Molecular Structures by Atomic Force Microscopy*. Unurbat Erdenemunkh '14 & Tyler Flanagan '14, LEEP Pioneers (sponsor: Professor Michael Boyer)

94. *Study of the rubidium blue bronze Rb<sub>0.3</sub>MoO<sub>3</sub> at room temperature by scanning tunneling microscopy*. Tyler Flanagan '14, LEEP Pioneer (sponsor: Professor Michael Boyer)

95. *How Surface Waves Affect Oil and Gel Layers*. Franklin Feingold '14 (sponsor: Professor Daniel Blair)

96. *Finding Green Energy Solutions for the Physics Building*. Andrew Masley '14, LEEP Pioneer (sponsor: Professor Charles Agosta)

97. *Computer Modeling of Kinase-Phosphatase reactions*. Rory Jones '14 (sponsor: Professor Ranjan Mukhopadhyay)

98. *Flow through porous media*. Xinyi Shen '14 (sponsor: Professor Arshad Kudrolli)

99. *Building with granular suspensions*. Suyesh Thapa '15 (sponsor: Professor Arshad Kudrolli)

100. *One-Particle Lagrangian Particle Tracking Post-Processing*. Brian York '14 (sponsor: Professor Louis Colonna-Romano)

## Political Science

101. *A War of Words: The US Embargo and Cuban Propaganda*. Patrick Burchat '15, Steinbrecher Fellow (sponsor: Professor Michael Butler)

102. *Contactless ID Cards at Clark University*. Alex Caro '14, LEEP Pioneer (sponsor: Joseph Kalinowski)

103. *Public Art and Downtown Development: Highlights of an Internship in Worcester's Executive Office of Economic Development*. Bryan Diehl '14, Lois and Robert Green Urban Development and Social Change (UDSC) Summer 2013 Intern (sponsor: Professor Sharon Krefetz — Urban Development & Social Change)

104. *'A Catalyst for Change,' Grant Writing at Jacob Riis Settlement House*. Daniel Diez '15, LEEP Pioneer (sponsor: Professor Mark Miller)

105. *Continuum of Care Management and Social Media Strategies at the Central Mass Housing Alliance*. Liam Kelly Fleming '15 (sponsor: Harrington Fellowship)
106. *The Family Reunification Process for Undocumented Minors Detained at the U.S. — Mexico Border*. Chloe Meade '14 (sponsor: Professor Paul Posner)
107. *Debrief of Internship at Girls Inc.* Brenna Merrill '14, LEEP Pioneer & Lois and Robert Green Urban Development and Social Change (UDSC) Summer 2013 Intern (sponsor: Professor Sharon Krefetz — Urban Development & Social Change)
108. *Empowerment through Self-Will and Determination: A Case Study of Microcredit in Bangladesh*. Emily Newton '14 (sponsor: Harrington Fellowship)
109. *The Viet Vote: An Examination of Voting Trends Amongst Different Vietnamese American Generations*. Mai Pham '14 (sponsor: Professor Kristen Williams)
110. *The Inside Account: The Future of the Republican Party According to Massachusetts Republican State Legislators*. Chelsea Salmonsens '13, Honors Thesis (sponsor: Professor Michael Butler) — Oral Presentation on 4th Floor of Goddard Library in the "Fuller Conference Room" — (1-1:20 pm)
111. *Special Procedures: Enforcement of International Human Rights Standards*. Yohan Senarath '14, LEEP Pioneer (sponsor: Professor Srinivasan Sitaraman)
112. *USAID Africa internship*. Catherine Walker '14, LEEP Pioneer (sponsor: Professor Kristen Williams)
113. *Measuring Intensity in U.S. Senate Races: A Case Study of Massachusetts and Illinois, 2010*. Rian Watt '14 (sponsor: Professor Mark Miller)
114. *Miranda Weinstein v. Supreme Court of the United States of America*. Miranda Weinstein '16 (sponsor: Professor Srinivasan Sitaraman)

## Psychology

115. *Cultivated Loneliness: The Two Sides of One Field*. Kevin Carriere '14, LEEP Pioneer (sponsor: Professor Jaan Valsiner) — Oral Presentation on 4th Floor of Goddard Library in the "Fuller Conference Room" — (2:35-2:55 pm)
116. *Identifying Schizophrenia Associated Gene Targets of the Transcription Factor c-Myb*. Marco Carpenter '14 (sponsor: Professor James Cordova; Psychology/Biology)
117. *Young Adult and Postsecondary Education at MDRC: A Social Policy Research Organization*. Afra Danai '14, LEEP Pioneer (sponsor: Professor Nicola Curtin)
118. *Attributions and Perception of the other in the 2013 Uprising in Turkey*. Ceylan Oymak '14, LEEP Pioneer (sponsor: Professor Johanna Ray Vollhardt)
119. *Zeytoon Films in Bangalore, India*. Laina Pauker '14, LEEP Pioneer (sponsor: Wendy Linden)
120. *Massachusetts Department of Environmental protection, Office of Diversity*. Jameesa Rucker '14, LEEP Pioneer (sponsor: Mounira Morris)
121. *Creativity and Collaboration within the LEEP program*. Mary Scully '14 & Taylor Johnson '15 (sponsor: Victoria Cox-Lanyon)

## Sociology

122. *The Research Process for Young Alumni Professional Development Programming*. Diane Boodrookas '14, LEEP Pioneer (sponsor: Kerrie Salwa)
123. *Fire and Responsibility: Corporate Social Responsibility and the Bangladesh Fires*. Zachary Nussbaum '14, LEEP Pioneer (sponsor: Professor Robert Ross)

## Visual & Performing Arts

124. *The 'Situation' in Tegus: A Photographic Journey to Tegucigalpa, the Capitol of Honduras*. Lyor Dotan '14, LEEP Pioneer & Steinbrecher Fellow (sponsor: Professor Stephen DiRado)
125. *LEEP Student-Initiated Project: Composing, Arranging, and Recording an Album of Original Compositions*. Joel Helander '14, LEEP Pioneer (sponsor: Professor John Aylward)
126. *Videography for Barred Owl Retreat*. Jonathan Koenig '14, LEEP Pioneer (sponsor: Professor Stephanie Larrieux)
127. *Art Restoration Apprenticeship*. Ananya Sikand '14, LEEP Pioneer (sponsor: Professor Elli Crocker)
128. *The Custom Made Theatre Company — Clark Students in San Francisco*. Wyndham Maxwell '14, LEEP Pioneer & Tanner Bryan '14, LEEP Pioneer (sponsor: Professor Gino Dilorio) — Oral Presentation on 4th Floor of Goddard Library in the "Fuller Conference Room" — (1:30-1:50 pm)
129. *Custom Made Theatre and the cell theatre experience*. Brendan Toussaint '14, LEEP Pioneer (sponsor: Professor Gino Dilorio) — Oral Presentation on 4th Floor of Goddard Library in the "Fuller Conference Room" — (1:50-2:10 pm)
130. *Comedy Development Internship at CBS*. Hannah Yukon '14, LEEP Pioneer (sponsor: Professor Gino Dilorio) — Oral Presentation on 4th Floor of Goddard Library in the "Fuller Conference Room" — (2:10-2:30 pm)

## The Hervey Ross LEEP Oratorical Contest 2013 Participants and Winners

### Winners:

- 1st place: Clark Jackson — STI Information and Resources
- 2nd place: Neil Orzechowski — Summer Internship
- 3rd place tie: Lyor Dotan — Photography Book  
Yohan Senarath — Sri Lanka Foreign Policy, 2006-2009

### Participants:

- Zoe Adelstein — Winchester Crime Lab Internship
- Rebecca Bernstein — Director of StoryWalk Festival
- Anastassios Dardas — Mapping Population Factors and Home Health Care Provider Costs, Quality, and Outcomes
- Casey Epstein — Philanthropy Internship
- Robert Meissner — Clark Thrift Shop as a Community Resource
- Sheila Qamirani — ICT and People with Disabilities
- Aaron Segura — Solar Sustainability Initiative

# SALUTE TO STUDENT SCHOLARS

DANIELS THEATER | ATWOOD HALL

4-5:30 p.m.

Salute to Student Scholars recognizes students who have been awarded departmental prizes and fellowships or who have been newly inducted into one of the two University honor societies.

## OPENING REMARKS

DEAN MARY-ELLEN BOYLE

## ACKNOWLEDGEMENT OF HONOR SOCIETY INDUCTEES

DEAN KEVIN McKENNA

## PRESENTATION OF AWARD CERTIFICATES

DEAN MARY-ELLEN BOYLE

## CLOSING REMARKS

DEAN KEVIN McKENNA

## HONOR SOCIETIES

### 2013-2014 Members of Fiat Lux

Dulara de Alwis  
Sean Paul Fitzgerald  
Leah Guliasi  
Jacqueline Lyon  
Victoria Patlajan  
Allegra Marra  
Mary Mbayah  
Ava Molnar  
Jaclyn Murano  
Holly Palardy  
Jessica Poirier  
Andrea Russo  
Oliver Samples

### 2013-2014 Members of Gryphon and Pleiades

Yonathan Bassal  
Diane Boodrookas  
Sharon Bort  
Sean Paul Fitzgerald  
Matthew Grossman  
Leah Guliasi  
Desiree Jerome  
Holly Palardy  
Oliver Samples  
Aksheya Sridhar  
Rian Watt

### Phi Beta Kappa Prize

Yisrael Lattke

## UNIVERSITY AWARDS

### The James Bogdanoff '82 Fellowship

Eleanor Hurd

### Thomas M. Dolan '62 Outstanding Service Award

Cody Litchfield  
Jennifer Six

### The Marshall Geer McKim Memorial Fund

Alejandro Baez  
Imogene Winkleman

### The Hervey Ross '50, L.H.D. '07 LEEP Oratorical Contest 2013

1st place: Clark Jackson  
2nd place: Neil Orzechowski  
3rd place tie: Lyor Dotan  
Yohan Senarth

### The Wisniewski Award for Academic Excellence & Creativity

Juliana Spahr

## DEPARTMENTAL AWARDS

### Biology

#### *The Potter Award*

Lauren Koppel

### Chemistry and Bio-Chemistry

#### *American Chemical Society Undergraduate Award in Analytical Chemistry*

Blaine McCarthy

#### *Chemical Rubber Company Press Freshman Chemistry Achievement Award*

Shivani Patel  
Ying Ge Wang

#### *Organic Chemistry Prize*

Allen Roth

### Communication and Culture

#### *Foundation Course Award*

Alexis Church  
Anna Spack  
Alaina Yonkers

### Economics

#### *David R. Porter '35 Prize for Excellence in Economics*

Hoang Duong Trong

#### *The Roger Van Tassel Book Prize*

Margaret Beaton

### English

*Loring Holmes and Ruth Dodd Drama Contest*

3rd Place: Ava Molnar

*Prentiss Cheney Hoyt Poetry Contest*

1st place: Sara Lieto

2nd place: Apollonia Roman

3rd place: Anthony Saracino

*Betty '79 and Stanley Sultan*

*Short Story Contest*

1st Place: Joel Helander

3rd Place: Julia Geaney-Moore

### Geography

*Peter Condakes Research Fellowship*

Gabrielle Kent

Zoe Ritter

*Strabo Prize*

Lucas Earl

Zoe Ritter

### International Development, Community, and Environment

*Theodore Von Laue Undergraduate Prize  
in International Development*

Holly Palardy

### Philosophy

*Logic Prize in Philosophy*

John Hall

### Physics

*Roy S. Andersen '43 Award*

Aaron Kraft

Zhuoming Tan

*Albert C. Erickson '30 Academic Award*

Unurbat Erdenemunkh

### Political Science

*Morris H. Cohen Prize*

Dexter Heeter

Brenna Merrill

Matthew Sandler

### Psychology

*Simon and Eve Colin*

*Undergraduate Creativity Award*

Matthew Grossman

*Herman A. Witkin Memorial Fund*

Ceylan Oymak

Matthew Thompson

### Visual and Performing Arts

*Jason Michael Simpkins*

*Memorial Endowment for Screen Studies*

Ayal Prouser

## STUDENT SUMMER RESEARCH AND INTERNSHIP AWARDS

### Chandler Bailey Internship in Economics

Rahul Dutt

### Theodore H. Barth Foundation Summer Internship Award

Tara Barnes

Tatiana Chunis

Deborah Ibonwa

John Preston

Lillian Schley

Rachel Spera

Matthew Thompson

### Lise Anne and Leo E. Beavers II Fellowship

Michele Corbet

Rebecca Friedman

Rebecca Rood Goldman

Lina Kroehling

Rhady Sorm

Travis Stutzer

### Arthur and Rochelle Belfer Fund for Scholars of Holocaust Studies

Nikia Hackett

**James '39 and Ada Bickman  
Summer Science Research Internship**

Amanda Barbosa  
Leo Bayless-Hall  
Erin Thayer

**Sara Bickman Music and Arts  
Summer Internship Award**

Jordan Formichelli  
Fenn Macon  
Paul Puiaa

**Albert C. Erickson '30  
Summer Research Award**

Kevin Dunn  
Xinyi Shen

**Stanley Geschwind Memorial  
Summer Internship Award**

Tiancheng Jiang

**Ina R. and Haskell R. Gordon  
Fund for Undergraduate Students  
of Holocaust Studies**

Valerie Johnson

**Lois M.P.A. '78 and Robert '49 Green  
UDSC (Urban Development and Social  
Change) Summer Internship**

Bryan Diehl  
Brenna Merrill

**HERO (Human-Environment Regional  
Observatory) Fellowship**

Michelle Andrews  
Sean Cunningham  
Joseph Hersh  
Cody Litchfield

**HERO Mosakowski Institute Fellow  
for Sustainable Science**

Michino Hisabayashi

**HERO O'Connor Fellow**

Gaia Khairina

**Innovation and Entrepreneurship Program  
U-Reka Honorees**

1st Place: Alexis Church  
1st Place: Shalmali Ghate  
1st Place: Vika Grindle  
3rd Place: Rebecca Raphaelson

**Henry J. Leir Summer Research Scholarship**

Kevin Carriere  
Joshua Rushing

**Marsh-Mosakowski NOAA  
(National Oceanic and Atmospheric  
Administration) National Centers for  
Coastal Ocean Science Fellows**

Lucas Earl  
Faye Harwell  
Gina Jenkins  
Desiree Jerome

**Maurine H. Milburn  
Summer Research Fellowship**

Steven Butler  
George Carlson  
Zimu Chen  
Marco Notarangelo  
Suyesh Thapa

**Frederick M. and Alice Murdock  
Summer Science Internship**

Kelli Stockmal

**Donald J. Nelson  
Endowed Research Fellowship**

Yisrael LattkelInternational

**PCI Synthesis Chemistry Summer  
Fellowship**

Yadana Khin

**Steinbrecher Fellows**

Samuel Berman  
Patrick Burchat  
Moriah Day  
Lyor Dotan  
Blaine McCarthy  
Claire McDonald  
Emma O'Melia  
Jennifer O'Rourke  
Hoamy Tran



CHALLENGE CONVENTION. CHANGE OUR WORLD.