

FALL FEST 2014

A CELEBRATION OF
UNDERGRADUATE STUDENTS'
**ACADEMIC ACHIEVEMENTS AND
SCHOLARLY DISTINCTIONS**

OCTOBER 24 FROM 1-4 P.M.

GODDARD LIBRARY | ACADEMIC COMMONS & 2ND FLOOR



CHALLENGE CONVENTION. CHANGE OUR WORLD.

FALL FEST

This event celebrates the research and creative work that 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. The projects on display today have been supported by various competitive University programs, including Steinbrecher Fellowships, the LEEP 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)?

Clark's model of liberal education, Liberal Education and Effective Practice (LEEP), combines a traditional liberal arts experience with authentic engagement in the world and workplace. It 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 entire Clark undergraduate experience — 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 created and maintains 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 Fellows Program

LEEP Fellows 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 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 their 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, M.P.A. '78, and Robert '49 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.

From 1 to 4 p.m. students will display their research findings through posters and electronic media (PowerPoint) presentations. **Posters 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 and Prouty Conference rooms.** Please enjoy some light refreshments found upstairs on the 2nd floor — thank you for coming!

OPEN HOUSE AND PRESENTATIONS

EXHIBIT OPEN HOUSE IN THE RARE BOOK ROOM

1st Floor of the Academic Commons (just past the escort desk)

1-4 *Clark University's WWI Collection: Reflections on the Past.* Nicholas Cotoulas '16, LEEP Fellow (sponsor: Fordyce Williams)

ORAL PRESENTATIONS

Fuller Conference Room (4th floor — Goddard Library)

- 1-1:15 GLOBAL ENVIRONMENTAL STUDIES
Sustainability Communication: Green Drinks Hanoi. Chi Le '15, LEEP Fellow (sponsor: Jenny Isler)
- 1:20-1:35 CULTURAL STUDIES & COMMUNICATION
Developing a Start-Up's Member Perks Program. Mae Beerman '14, LEEP Fellow (sponsor: Lee Goldstein)
- 1:40- 1:55 COMPUTER SCIENCE
Software Development Internship at Axispoint. Binh Tang '16, LEEP Fellow (sponsor: Professor Li Han)
- 2-2:15 UNIVERSITY ADVANCEMENT
Friends of the Armenian Chair at Clark University. Valerie Johnson '15, LEEP Fellow (sponsor: Carole Allen Scannell)
- 2:20-2:40 INTERDISCIPLINARY-INTERNATIONAL DEVELOPMENT & EDUCATION
Experiential Education: A Case for Action-Learning in South African Schools. Kat Liptak '15, LEEP Fellow (sponsor: Professor David Bell)
- 2:45-2:55 SUSTAINABLE CLARK
Redesigning the Community Thrift Store. Lloyd Schramm '16, LEEP Fellow (sponsor: Jenny Isler)
- 3-4 INTERNATIONAL DEVELOPMENT & SOCIAL CHANGE
Youth Work: Voices. The documentary talks about the meaning of youth work through the voices of youth and youth workers in Worcester, and the obstacles and the gratifying aspects of being involved in the youth work field. It also emphasizes the importance of empowering and protecting our youth. Katherine Esparza '15 & Chelsea Viteri '16 (sponsor: Professor Laurie Ross)

Prouty Conference Room (4th floor — Goddard Library)

- 1:20-1:35 POLITICAL SCIENCE
Fractured Femininity — Transnational Limitations, Gender Inequality, Self- Image, and Reproductive Health. Katherine Bogen '15, LEEP Fellow
(sponsor: Professor Paul Posner)
- 1:40-1:55 POLITICAL SCIENCE
US International Extradition: Liberalist Policy, Practice and Procedure.
Ben Schaeffer '15, Harrington Public Affairs Fellow
(sponsor: Professor Michael Butler)
- 2-2:15 POLITICAL SCIENCE
Asylum Status in the US: Disparities in the availability of evidence for asylum seekers. Hannah Snow '15, Harrington Public Affairs Fellow
(sponsor: Professor Michael Butler)
- 2:20-2:35 THEATER
An Evening of Wonder: Making a Magic Show. Curran O'Donoghue '15,
LEEP Fellow (sponsor: Professor Kevin McGerigle)
- 2:40-3 THEODORE H. BARTH FOUNDATION
Raising Awareness About Domestic Violence and Sexual Assault in the LGBTQ Community Using Social Media. Pauravi Chhaya '15 (sponsor: Career Services/Women's & Gender Studies)
- 3:10-3:25 INTERNATIONAL DEVELOPMENT & SOCIAL CHANGE
Reconceptualizing Gender. Sumer Shaikh '15, LEEP Fellow
(sponsor: Professor Kiran Asher)
- 3:30-3:45 MANAGEMENT
Social Media Implementation — Higher Education Consortium of Central Massachusetts. Van Nguyen'16, LEEP Fellow
(sponsor: Professor Barbara Bigelow)

SUMMER RESEARCH & LEEP FELLOWS POSTERS/PRESENTATIONS

Biochemistry and Molecular Biology

1. *Truncated Hemoglobin from Roseobacter Denitrificans*. Astha Bilimoria '16 (in collaboration with Yaya Wang, graduate student; sponsor: Professor Joseph Tang)
2. *Non-viral Gene Delivery System: Synthesis of The Copolymer Reagents*. Lena Cedrone '15 (sponsor: Professor Sergio Granados-Focil)
3. *Elucidating the effects of reduction on the self-assembly of lysozyme*. Oshini Ekanayake '15 (in collaboration with Valerie Ivancic, graduate student; sponsor: Professor Noel Lazo)
4. *How to Grow a Brain: In Search of Neural Stem Cells in the Annelid Capitella teleta*. Christie Joyce '16 (sponsor: Professor Neva Meyer)
5. *Modeling the Effects of Disease-causing Mutations on Keratin Structure*. Rickey Phou '15 (sponsor: Professor Noel Lazo)
6. *Mapping the Auto-Immune Triggering Epitope of ELAVL4*. Jacob Steenwyk '15 (sponsor: Professor Denis Larochelle)
7. *Targeting Inner Nuclear Membrane Proteins to Nuclear Envelope In Dictyostelium discoideum*. Ying Ge Wang '16, LEEP Fellow (in collaboration with Xiang Ren, graduate student; sponsor: Professor Denis Larochelle)

Biology

8. *Analysis of mRNA transcript stability in Thalassiosira pseudonana using the biosynthetic label 4-thiouracil (4TU)*. Vanessa Adam '15 (in collaboration with Minoli Perera, doctoral student; sponsor: Professor Deborah Robertson)
9. *Identifying new PLC- γ inhibitors in Drosophila melanogaster*. Jamal Ali '15, LEEP Fellow (in collaboration with Chitra Naidu, graduate student; sponsor: Professor Justin Thackeray)
10. *Frog-biting mosquitoes as vectors of multiple amphibian pathogens*. Kathryn Baldyga '15 (in collaboration with Mandy Gaudreau, graduate student; sponsor: Professor Todd Livdahl)
11. *Bacterial screening on cultured macro algae raised in intensive land based systems*. Vanessa Carrasco '15 (sponsor: Professor David Hibbett)
12. *Stress response in maternal threespine stickleback due to environmental factors*. Briana Cooney '15, LEEP Fellow (in collaboration with Melissa Graham, graduate student; sponsor: Professor Susan Foster)
13. *Predicted roles of proneural and SoxB genes during neurogenesis in the annelid Capitella teleta*. Sarah Dys '15 (sponsor: Professor Neva Meyer)
14. *Thermoregulation and Hydroregulation Through Niche Use in American Toads (Anaxyrus americanus) and Wood Frogs (Lithobates sylvaticus)*. Faye Harwell '15 (sponsor: Professor Philip Bergmann)
15. *Project Healthcare*. Rezwana Hoque '15, LEEP Fellow (sponsor: Professor David Thurlow)
16. *Investigation of a Recently Discovered Gene Affecting Cell Growth and Proliferation in Drosophila*. Gina Kelley '15, Carlson summer research opportunity (sponsor: Professor Justin Thackeray)

17. *Feeding performance assays of threespine stickleback (Gasterosteus aculeatus) during the first month of life.* Jenna Kosmo '15 (sponsor: Professor John Baker)
18. *Continuous Integration and Dynamic Exploration of Genome-Based Fungal Phylogenies.* Sam Kovaka '16 (sponsor: Professor David Hibbett)
19. *Transcriptional regulation of mRNA encoding nitrogen assimilating enzymes in Thalassiosira pseudonana in nitrogen deplete conditions.* Rebecca Littlefield '15 (sponsor: Professor Deborah Robertson)
20. *Performance of sand swimming by Scincus scincus in substrates varying in particle size using x-ray videography.* Molly Provost '15, LEEP Fellow (sponsor: Professor Philip Bergmann)
21. *The influence of stream plants on macroinvertebrate assemblages in the East Branch of the Swift River (Petersham, MA).* Hannah Reich '15 (sponsor: Professor John Baker)
22. *Food deprivation and impact on courtship behavior in male threespine stickleback.* Katelyn Richer '15, LEEP Fellow (in collaboration with Rebecca Rood-Goldman, graduate student; sponsor: Professor Susan Foster)
23. *Isolation of the PUF Protein in Marine Diatoms.* Calder Sett '16 (sponsor: Professor Deborah Robertson)
24. *Asymmetrical Preference of Two Dengue Mosquito Vectors.* Joel Simonson '15 (in collaboration with John Soghigian, graduate student; sponsor: Professor Todd Livdahl)
25. *Cell Printing: A Novel Quantitative Assay.* James St. Denis '15 (sponsor: Professor Denis Larochelle)
26. *When Molecular and Morphological Data Disagree: Placing Stiptophyllum on a Phylogeny.* Sara Waldman '15 (in collaboration with Alfredo Justo, post-doctoral fellow; sponsor: Professor David Hibbett)
27. *Variance in egg hatch inhibition in geographically distinct Aedes aegypti.* Bren Wason '15 (sponsor: Professor Todd Livdahl)

Chemistry

28. *Convergent synthesis of dolabellane alcohol as a potential MRSA antibiotic.* George Baumgartel '15 (in collaboration with Michael Reardon, graduate student; sponsor: Professor Charles Jakobsche)
29. *Unusual Solvent Involvement: The Serendipitous Synthesis of bis(5-NAP) tetraacetatedicopper(II) dihydrate.* Andrew Bellesis '16, LEEP Fellow (sponsor: Professor Mark Turnbull)
30. *Sun-Tracking FT-IR Spectroscopy: Automation of Urban and Rural Differential Column Measurements.* Conner Daube '15 (sponsor: Professor Luis Smith)
31. *Radiant Reduction: Cu₂O Nanoparticle Morphology and Size Control Under Microwave Heating With Glucose, Fructose, and L-Ascorbic Acid.* Izzy Lattke '15 (sponsor: Professor Luis Smith)
32. *An Effective Transformation of Primary Amines into Alcohols.* Nicholas MacArthur '16, LEEP Fellow (in collaboration with Linshu Wang, graduate student; sponsor: Professor Charles Jakobsche)
33. *Synthesis of Inhibitor Molecules for the Study of Lysyl Oxidase.* Blaine McCarthy '15 & Ashley Burke '16, LEEP Fellow (in collaboration with Linshu Wang, graduate student; sponsor: Professor Charles Jakobsche)

Cultural Studies & Communication

34. *Marketing & PR LEEP Project with Music Worcester*. Will Doughty '15, LEEP Fellow (sponsor: Professor Vicki Stiefel)

Computer Science

35. *Academic Aide: Free Online Math Question Database for Academic Improvement*. Jian Bin Guo '15 & Lukas Leung '16, LEEP Fellows (sponsor: Professor John Magee)

Cross-Disciplinary

36. *The Women's Empowerment in Agriculture Index*. Akriti Sharma '15, LEEP Fellow (sponsor: Roxane Anderton)
37. *From West Africa to Worcester: A Story of Personal and Professional Growth, or Where the Hell is Ghana?* Ben Walter '15, (Making a Difference) Scholar (sponsor: Ben Gardner)

Economics

38. *Identifying Spatial Patterns of Student Mobility*. Rebecca Chapman '15, LEEP Fellow (sponsor: Professor John Brown)
39. *Grameen Bank — The Banker to the Poor*. Shalmalee Ghate '15, LEEP Fellow (sponsor: Professor Marc Rockmore)
40. *Assessing the Scope of Corporate Social Responsibility (CSR) in Pakistan*. Karishma Veljee '15, LEEP Fellow (sponsor: Professor David Jordan)

Environmental Science

41. *Mitigating the Human-Leopard Conflict in Sri Lanka*. Sanjiv Fernando '15, LEEP Fellow (sponsor: Professor Jude Fernando)
42. *The Polar Vortex and the Economic Impact of the Winter of 2013-2014*. Ethan Forauer '15, LEEP Fellow (sponsor: Professor Christopher Williams)
43. *Clark University Energy: A Student's Eye View of Campus Efficiency*. Eli Goldman '16, LEEP Fellow (sponsor: Jenny Isler)
44. *Using hyperspectral imaging to study the effects of wind turbines on crops in Iowa, USA*. Nathaniel Lapidés '15 (sponsor: Professor Andrey Petrov, University of Northern Iowa)

Geography

45. *Algorithm to Compare Maps of a Continuous Variable at Multiple Resolutions*. Rebecca Chapman '15 (sponsor: Professor Robert Gilmore Pontius Jr.)
46. *Let it Rain: Practical Applications of the Nitrogen Cycle for Children*. Alexandra Knopf '15, LEEP Fellow (sponsor: Professor Colin Polsky, Florida Atlantic University)
47. *From the Lab to the Neighborhood: Developing Interactive Science Exhibits for Worcester's EcoTarium*. Alexander Merriam '17, LEEP Fellow (sponsor: Professor Colin Polsky, Florida Atlantic University)

Global Environmental Studies

48. *Global Recipes for Local Kitchens: Researching Traditional Recipes from Refugee Farmers at New Lands*. Julia Groenfeldt '15, LEEP Fellow (sponsor: Professor Anita Fabos)
49. *Increasing Public Access to Greater Worcester Land Trust Properties: The Importance of Urban Green Spaces and Connecting People to Places*. Corinne Jachelski '15, LEEP Fellow (sponsor: Professor John Baker)

Harrington Public Affairs Fellowship

50. *Launching the Worcester Education Collaborative's 'How to Beat the Summer Slide' Initiative: Developing Children's Literacy Programs at the Public Library Branches*. Sadie Hazelkorn '15 (sponsor: Professor Sharon Krefetz)

Henry J. Leir Luxembourg Program

51. *The Henry J. Leir Student Summer Research Scholarship at Luxembourg's Musée National d'Histoire et d'Art*. Nicholas Sancho-Rosi '15 (sponsor: Professor SunHee Gertz)

HERO (Human-Environment Regional Observatory)

52. *DCR Tree Planting Program: Tree Condition, Current and Future Mortality, and Recommendation*. Gaia Khairina '15 & Hannah Rush '15 (sponsors: Professors John Rogan, Deborah Martin & Verna DeLauer)
53. *Firsthand Experience of an Environmental Crisis and the Potential for Environmental Stewardship in Worcester, MA*. Amy Phillips '16, Ben Ewald '15 & Marina Khananayev '15 (sponsors: Professors John Rogan, Deborah Martin & Verna DeLauer)
54. *Economic Benefits of the DCR Tree Replanting Program in Worcester County, MA*. Hannah Rush '15, Amber Todoroff '15, Andrew Varuzzo '15, Anona Miller '15 & Gaia Khairina '15 (sponsors: Professors John Rogan, Deborah Martin & Verna DeLauer)

Holocaust and Genocide Studies

55. *Holocaust and Genocide Studies Internships: Summer 2014*. Alicja Gancarz '17, Natalia Abrahams '16, Susanna Berman '16 & Jonathan Edelman '16 (sponsor: Professor Shelly Tenenbaum)

International Development, Community & Environment

56. *ESL Curriculum Development for Somali Bantu Refugees*. Rosaleigh Blackmer '16 & Kellee Kosiorek '15, LEEP Fellows (sponsor: Professor Marianne Sarkis)
57. *Microfinance at Grameen Bank: Lessons from a Development Project*. Devra Goldstein '16, LEEP Fellow (sponsor: Professor Jude Fernando)
58. *WaterFire Providence Internship: Developing Community through the Arts*. Tina Meetran '15, LEEP Fellow (sponsor: Professor Cynthia Caron)
59. *Peace Corps Central Massachusetts Outreach Initiative*. Brianna Mirabile '15, LEEP Fellow (sponsor: Professor Amy Richter)
60. *Creating ESL Conversation Circles for Adult Immigrants and Refugees in Worcester*. Radhika Mitter '15, LEEP Fellow (sponsor: Professor Nigel Brissett)

Law and Society

61. *Judges Don't Like Tears: My Experience as a Legal Liaison*. Whitney Brown '15, LEEP Fellow (sponsor: Professor Patricia Ewick)

Management

62. *The Cost of Financial Regulation*. Scott Cabell '15, LEEP Fellow (in collaboration with Oliver Samples, graduate student; sponsor: Professor Frank Jenkins)
63. *GSOM Classroom Technology Project*. Miga Lee '15, LEEP Fellow (in collaboration with Alex Caro, graduate student; sponsor: Donna Turcotte, Program Manager, GSOM)
64. *Workplace Resource Summer Internship: LEEP Project*. Olivia Treuber '15, LEEP Fellow (also associated with the Entrepreneurship Program; sponsor: Laura Burgess, Program Director, GSOM)

Marsh-Mosakowski NOAA Fellowship

65. *NOAA's Sentinel Site Program and Habitat Blueprint — from observation to stewardship*. Michino Hisabayashi '15 (sponsors: Professor Deborah Martin; Mosakowski & George Perkins Marsh institutes)
66. *Studies on the Effect of Diet on the Survival of Red Deep Sea Crab Larvae*. Julianne Murphy '17, NOAA Fellow (sponsor: Professor Luis Smith)

Physics

67. *Measuring RF properties of superconductors in a small pulsed magnetic field*. Logan Bishop-Van Horn '17 & Justin Roundy '15 (sponsor: Professor Charles Agosta)
68. *Probabilistic Modeling of Biological Systems*. Sebastian Derian '15 (sponsor: Professor Ranjan Mukhopadhyay)
69. *Investigating Cu₂O Nanocubes using Scanning Electron Microscopy and Scanning Tunneling Microscopy*. Kevin Dunn '15 (sponsor: Professor Michael Boyer)
70. *5D-CT Technique*. Franklin Feingold '15 (sponsor: Daniel Low)
71. *Fluctuations induced Casimir like forces in granular fluids*. Ayush Joshi '16 (sponsor: Professor Arshad Kudrolli)
72. *Incorporating Scanning Electron Microscopy into the Classroom*. Robert Kotarba '16, LEEP Fellow (sponsor: Professor Michael Boyer)
73. *Understanding the Lithium Purple Bronze through Scanning Tunneling Microscopy*. Aaron Kraft '16, LEEP Fellow (in collaboration with Ling Fu, graduate student; sponsor: Professor Michael Boyer)
74. *A New Two-Dimensional Copper Antiferromagnet, [Cu(pz)₂(2-OHpy)₂](PF₆)₂*. Nizar Naitlho '16 (sponsor: Professor Christopher Landee)
75. *Erosion of a single particle by a fluid*. David Scheff '15 (sponsor: Professor Arshad Kudrolli)
76. *Using Native Impurities to Extract the Superconducting Gap in Bi-2201*. Zhuoming Tan '16 (sponsor: Professor Michael Boyer)
77. *The Renewable Energy*. Ekaterina Taunova '16 (sponsor: Professor Charles Agosta)

Political Science

78. *Worcester County District Attorney's Office Internship*. Daniel Diez '15, Harrington Public Affairs Fellow (sponsors: Professors Mark Miller & Kristen Williams)
79. *Ethiopians in Israel: Narratives of identity, struggle and hope*. Maya Katz-Ali '17 (sponsor: Professor Ora Szekely)
80. *NAFSA Advocacy Day 2014: Clark's delegation to Capitol Hill*. Oscar Zapata '15, Eliana Hadjiandreu '16 (in collaboration with Danielle Strandson '14, graduate student; sponsor: Professor Srinivasan Sitaraman)

Prehealth

81. *School Nursing Practice & Leadership in the Commonwealth of Massachusetts*. Jessica Donati '15, LEEP Fellow (sponsor: Professor Deborah Merrill)

Psychology

82. *Purposeful Parenting: Parental Support and Youth Purpose Development*. Maya Fox '16, Emma Goldblum '16, Alana Shapiro '16 & Tajshana Solomon '16 (sponsor: Professor Seana Moran)
83. *How do traumatic life events in youth support the attainment of life purpose?* Emi Gollosi '16, Ariel Pineda '16, Hannah Camiel '16 & Paige Roscoe '16 (sponsor: Professor Seana Moran)
84. *How Can Institutions Help Students in Finding Purpose?* Connor Guerin '16, Delight Gavor '16, Farrah Beaubrun '16 & Young Heo '16 (sponsor: Professor Seana Moran)
85. *Steps That Lead Somewhere: How Steps in Alcoholics Anonymous Develop Life Purpose*. Walker Matzko '16, Bradley Paul '16, Alex Guitar '16 & Assaf Shahar '15 (sponsor: Professor Seana Moran)
86. *Exploring Social, Emotional and Behavioral Difficulties with Wediko Children's Services*. Esi Sey '15, LEEP Fellow (sponsor: Professor Nathaniel Seale)
87. *The Electrophysiological Correlates of Decision-Making*. Brianna Valois '15 (sponsor: Dr. Christopher Warren, Leiden University; Principal Investigator: Dr. Sander Nieuwenhuis)
88. *Social Power and Concern with Moral and Competent Appearance: A Social Identity Approach*. Olivia Vande Griek '15 (sponsor: Professor Naomi Ellemers, Leiden University)
89. *Assessment of Stress Level Reduction in a Community Level Mindfulness Based Program*. Ravina Wadhvani '15, LEEP Fellow (sponsor: Professor Laura McKee)

Steinbrecher Fellowship

90. *To 'Hollaback' at Street Harassment: Creating Print Media to Raise Awareness for Hollaback! Boston*. Pinar Barlas '16 (sponsor: Professor Betsy Huang)
91. *Immigration and the Economic Crisis in Spain: The Impact of High Unemployment on the Attitudes of Natives towards Immigrants in Seville*. Molly Burns '15 (sponsor: Professor Ken MacLean)
92. *The Written Word and Music: A Semiotic Analysis and Creative Application*. Joel Helander '15 (sponsor: Professor Jay Elliott)

Theater

93. *The Custom Made Theatre Company Summer Internship*. Maya Davis '16, LEEP Fellow (sponsor: Professor Jessica Bane-Robert)

Theodore H. Barth Foundation

94. *Ivy's Place Internship: Using PRM to stimulate Financial Sustainability Alternatives for a Nonprofit in Ethiopia*. Beliansh Assefa '17 (sponsor: Professor Cynthia Caron; Career Services)

95. *Can Industry Grow Without Government Intervention: a Korean Case Study*. Doga Bilgin '16 (sponsor: Career Services)

96. *Fractured Femininity - Transnational Limitations, Gender Inequality, Self-Image, and Reproductive Health*. Katherine Bogen '15, LEEP Fellow (sponsor: Professor Paul Posner; Career Services)

97. *The West Interpersonal Perception Lab at NYU: Examining Gender Composition and Intragroup Evaluations*. Eliana Hadjiandreou '16 (sponsor: Career Services)

98. *Education, Culture, and History: An Unforgettable Summer in the Homeland*. Nicole Papazian '16 (sponsor: Career Services)

99. *Barth Internship: Friends of Casco Bay*. Alexander Sturtevant '16, LEEP Fellow — also associated with Environmental Science (sponsor: Career Services/Peter Milholland — Casco Bay)

Urban Development and Social Change (UDSC)

100. *Effort to Outcomes: Assessing Youth-Oriented Programs*. Brian Kane '15, LEEP Fellow (sponsor: Professor Laurie Ross)

UDSC Lois and Robert Green Summer Internship

101. *Providing Information About 23 'Continuum of Care' Homelessness Assistance Programs that CMHA Oversees and Highlighting Success Stories*. Tara Barnes '15 (sponsor: Professor Sharon Krefetz)

102. *Research on the Housing, Health and Economic Development Needs of the Union Hill Neighborhood*. Liam Kelly Fleming '15 (sponsor: Professor Sharon Krefetz)

Visual & Performing Arts

103. *Mentoring Worcester Youth through the Arts*. Breanna Tucker '15, LEEP Fellow — also associated with Psychology department (sponsor: Professor Toby Sisson)

Women's and Gender Studies

104. *Oral Histories: Women's Perspectives on Sex Work in Worcester*. Hannah Yore '15 & Mikayla Bobrow '15, LEEP Fellows (sponsor: Professor Marianne Sarkis)

STUDENT DISTINCTIONS

HONOR SOCIETIES

2014-2015 Members of Fiat Lux

Olivia Cecchi
Briana Cooney
Hayley Cunningham
Sarah Dys
Spencer Gale
Michino Hisabayashi
April Hooper
Taylor Johnson
Molly Kazin
Robin (Aviva) Schwartz
Emma Weiner
Imogene Winkleman
Marwane Zouaidi

2014-2015 Members of Gryphon and Pleiades

Samantha Arsenault
Molly Burns
Scott Cabell
Alexis Church
Brenna Dougherty
Spencer Gale
Michino Hisabayashi
Nathaniel Lapides
Rebecca I. Miller
Sarah Philbrick
David Polansky
Nicholas Porcella

Phi Beta Kappa Prize

Andrew Bellesis

UNIVERSITY AWARDS

The James Bogdanoff '82 Fellowship

Rebecca I. Miller

Thomas M. Dolan '62 Outstanding Service Award

Daniel Diez
Sarah Philbrick

The Marshall Geer McKim Memorial Fund

Dayna Ankeremann
Stephanie Grabowski
Kayla Landis

The Thomas Wisniewski Undergraduate Award

Corey Dickinson

DEPARTMENTAL AWARDS

Biology

*M. Margaret Comer Memorial Award
for Undergraduate Studies in the
Biological Sciences*

Ying Ge Wang

The Potter Award

Briana Cooney

Chemistry and Bio-Chemistry
*American Chemical Society Undergraduate
Award in Analytical Chemistry*

Nicholas MacArthur

*Chemical Rubber Company Press Freshman
Chemistry Achievement Award*

Devon Fontaine

Claire Krasinski

Organic Chemistry Prize

Nicholas MacArthur

Kayli Schulz

*Wen-Yang Wen Excellence in Chemistry
Fellowship*

Blaine McCarthy

Cultural Studies and Communication

Foundation Course Award

Abigail Moon

Laura Virga

Economics

David R. Porter '35

Prize for Excellence in Economics

Trang Luong

The Roger Van Tassel Book Prize

Jeremy Albright

Daniela Reyes Saade

English

William H. Carter, Jr. Prize in English

Nicholas Porcella

Loring Holmes and Ruth Dodd Drama Contest

1st Place: Lillian Schley

Prentiss Cheney Hoyt Poetry Contest

1st Place: Nicholas Porcella

Betty '79 and Stanley Sultan

Short Story Contest

2nd Place: Laura Barker

3rd Place: Sarah Wells

Geography

Peter Condakes Research Fellowship

Rebecca Chapman

Alexander Hayes

Strabo Prize

Joseph Hersh

International Development, Community, and Environment

Theodore Von Laue Undergraduate Prize in International Development

Molly Burns

Philosophy

Logic Prize in Philosophy

Meredith Gibbons

Physics

Roy S. Andersen '43 Award

Luke LaLima

Albert C. Erickson '30 Academic Award

David Scheff

Political Science

Morris H. Cohen Prize

Daniel Diez

Liam Kelly Fleming

Irving and Edith Wilner Prize

Brendan Simons

Psychology

Simon and Eve Colin

Undergraduate Creativity Award

Naysha Shahid

Herman A. Witkin Memorial Fund

Olivia Vande Griek

Visual and Performing Arts

Jason Michael Simpkins

Memorial Endowment for Screen Studies

Zachai Kalet-Schwartz

STUDENT SUMMER RESEARCH AND INTERNSHIP AWARDS

Chandler Bailey Internship in Economics

Joseph Biasi

Theodore H. Barth Foundation Summer Internship Award

Beliansh Assefa

Doga Akar Bilgin

Katherine Bogen

Pauravi Chhaya

Eliana Hadjiandreou

Nicole Papazian

Alexander Sturtevant

Lise Anne and Leo E. Beavers II Fellowship

Astha Bilimoria

Sarah Dys

Christie Joyce

Arthur and Rochelle Belfer Fund for Scholars of Holocaust Studies

Alicja Gancarz

James '39 and Ada Bickman Summer Science Research Internship

Sebastian Derian

Oshini Ekanayake

Elizabeth Severson

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

Julia Baronowski
Margaret French

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

Nizar Naitlho
David Scheff

**Stanley Geschwind Memorial
Summer Internship Award**

Zachary Weller

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

Natalia Abrahams

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

Tara Barnes
Liam Kelly Fleming

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

Benjamin Ewald
Marina Khananayev
Amy Phillips
Hannah Rush

HERO O'Connor Fellow

Gaia Khairina

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

1st Place: Abhijit Singh
1st Place: Alexander Turgeon
2nd Place: Julia Carrasquel
2nd Place: Delight Gavor
2nd Place: Daniel Hyland
3rd Place: Patricia De Carvalho
3rd Place: Hannah Martin

**International Studies Stream Summer
Research Award**

Marissa Goldstein
Maya Katz-Ali

Henry J. Leir Summer Research Scholarship

Nicholas Sancho-Rossi

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

Silvana Carrasco
Michino Hisabayashi
Julianne Murphy

**Arthur E. Martell and Thomas T. Sughihara
Summer Science Internship Award**

Lena Cedrone

**Maurine H. Milburn
Summer Research Fellowship**

Ayush Joshi
Rickey Phou
Zhuoming Tan

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

P. George Baumgartel
Blaine McCarthy

**PCI Synthesis Chemistry Summer
Fellowship**

Andrew Bellesis
Ashley Burke
Nicholas MacArthur
Kelli Stockmal

Steinbrecher Fellows

Pinar Barlas
Ryan Barney
Molly Burns
Suaida Firoze
Joel Helander
Ki Mi Ko
John Oliveras
Melat Seyoum
Demet Senturk



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