

# FALL FEST 2015

A CELEBRATION OF  
UNDERGRADUATE STUDENTS'  
ACADEMIC ACHIEVEMENTS AND  
SCHOLARLY DISTINCTIONS

OCTOBER 23 FROM 1-4 P.M.

GODDARD LIBRARY | ACADEMIC COMMONS & 2ND FLOOR



CLARK  
UNIVERSITY



CHALLENGE CONVENTION. CHANGE OUR WORLD.

# 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 the Steinbrecher fellowship program, the LEEP Fellow program, the Harrington Fellows program, the Theodore Barth Foundation Internship Award, the NOAA Fellows program, the HERO Fellows program, and the Lois and Robert Green Urban Development and Social Change (UDSC) Summer Internship program.

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

At Clark, we are pioneering a new 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 co-curricular experience to teams and clubs—will educate graduates 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 that established 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 each other and 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**

The LEEP Fellow 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 Project 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.

### The Harrington Fellows Program

The Harrington Public Affairs Fellowship Program for undergraduates encourages and supports the pursuit of original research on politics and public policy as well as service projects, and is funded by the Francis A. Harrington Public Affairs Fund established in 1963.

### Theodore Barth Foundation Internship Award

Thanks to the generosity of the Theodore Barth Foundation, the Career Services offers undergraduate students up to \$2500 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) partnered with Clark University to offer qualified undergraduate students paid summer field internships. Opportunities were 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 USA, 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 non-profit 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

## ORAL PRESENTATIONS

### Fuller Conference Room (4th floor — Goddard Library)

- 1-2 p.m. INTERNATIONAL DEVELOPMENT AND SOCIAL CHANGE (IDSC)  
*In the Name of Land, Community and Life.*  
Chelsea Viteri '16 (sponsor: Professor Cynthia Caron)
- 3-4 p.m. LEEP FELLOWS AND HARRINGTON FELLOWS  
Sponsored by Political Science Faculty  
*Promoting Pro-Choice Policy: An internship with NARAL.*  
Hallie Blashfield '17, LEEP Fellow (sponsor: Professor Valerie Sperling)  
*Interning at the U.S. Department of State: Reflecting on Gender.*  
Nathalie Notarianni '16, LEEP Fellow (sponsor: Professor Kristen Williams)  
*Grass Roots Organizing in a Swing District.* Michael Pierce '16, HARRINGTON Fellow (sponsor: Professor Robert Boatright)  
*Coexistence, Complexity, Beyond: A Summer with Children in Jerusalem.*  
Leah Simonson '17, LEEP Fellow (sponsor: Professor Valerie Sperling)  
*The Politics and Effects of DAPA and DACA on Worcester Immigrants.*  
Courtney Thomas '17, HARRINGTON Fellow (sponsor: Professor Heather Silber Mohamed)

### Prouty Conference Room (4th floor — Goddard Library)

- 1:20- 1:35 p.m. HISTORY  
*Beaver Brook: Reconstructing a Community Landscape.*  
Gabrielle Seligman '16, LEEP Fellow (sponsor: Professor Janette Greenwood)
- 2:20-2:40 p.m. MUSIC  
*Breaking Down Barriers: Exploring the Junction of Mainstream and Avant-Garde Music.* Mickayla Aboujaoude '17, LEEP Fellow (sponsor: Professor John Aylward)
- 2:50-3:10 p.m. PEACE STUDIES — THEODORE BARTH INTERNSHIP  
*Building a Culture of Peace: Strategies and Structures.*  
James Patin '17 (sponsor: Career Services/Professor Jude Fernando)
- 3:35-4 p.m. PHILOSOPHY  
*Stress Reduction Through Forgiveness with Tibetan Monks.*  
Jules Ochoa '16, LEEP Fellow (sponsor: Professor Wes DeMarco)

## SUMMER RESEARCH & LEEP FELLOWS POSTERS/PRESENTATIONS

### Art History

1. *Pre-Columbian Art at the WAM*. ZiZi Spak '16, LEEP Fellow (sponsor: Professor John Garton)

### Biochemistry and Molecular Biology

2. *Systematic Analyses of the Effects of Hsp90 Mutations on Yeast Growth Curve*. Milky Abajorga '18 (sponsor: Professor Mark Turnbull)
3. *Probing the Oligomerization of C-Terminal Binding Protein: The Effects and Implications of Site-Directed Mutagenesis on Tetramer Formation*. Andrew Bellesis '16 (in collaboration with Kyle Gellatly, graduate student-UMASS Medical; sponsor: Professor William Royer, UMASS Medical)
4. *Studying the Inhibition of Lysyl Oxidase and other Amine Oxidase*. Ashley Burke '16 & Nicholas MacArthur '16 (sponsor: Professor Charles Jakobsche)
5. *Functionalization of PEG with PEI for Potential Gene Delivery*. Elizabeth Chan '16, LEEP Fellow, Thanaphorn Suk-in '16, LEEP Fellow & Alva Tan '17, LEEP Fellow (sponsor: Professor Sergio Granados-Focil)
6. *Utilization of BioID to Explore Nuclear Proteins in Dictyostelium discoideum*. Elizabeth Nelson '16, LEEP Fellow & Ying Ge Wang '16, LEEP Fellow (in collaboration with Xiang Ren, graduate student; sponsor: Professor Denis Larochele)
7. *Exploring the interaction between CenB and Rad4*. Shivani Patel '16, LEEP Fellow (sponsor: Professor Denis Larochele)
8. *Generating novel genotypes in the drosophila sl gene*. Samuel Peluso '16, Herbert James '16 & Justin Wilbur '17 (sponsor: Professor Justin Thackeray)
9. *Preparation and characterization of model membranes for the elucidation of membrane-catalyzed amyloid formation by the amyloid- $\beta$  protein*. Hung Pham '16 & Tu Do '16 (in collaboration with Valerie Ivancic, graduate student; sponsor: Professor Noel Lazo)
10. *Development of Bioluminescent Bacteria for UV Sensitivity Assay Improvement*. Kayli Schulz '16 (sponsor: Professor Denis Larochele)
11. *Investigation of CDK1-site of Src1 in Dictyostelium discoideum*. Ying Ge Wang '16, LEEP Fellow (in collaboration with Xiang Ren, graduate student; sponsor: Professor Denis Larochele)

### Biology

12. *Genetic diversity of Margaritifera margaritifera populations across Northwestern Massachusetts*. Brennin Consalvi '17, LEEP Fellow (sponsors: Professor John Baker & Professor John Gibbons)
13. *The effects of mixing different substrate particle sizes on lizard running performance*. Marian Crockett '16 (sponsor: Professor Philip Bergmann)

14. *Behavioral Response to Predatory Attack in Gravid Three-Spine Stickleback*. Samantha Dokus '16, LEEP Fellow (in collaboration with Melissa Graham, graduate student; sponsor: Professor Susan Foster)
15. *Investigating brain gene expression related to the stress-response system in threespine Stickleback fish*. Amanda Fragata '16 & Tina Vo '16 (in collaboration with Melissa Graham, graduate student; sponsor: Professor Susan Foster)
16. *Interactions between dumpy and rickets: a story in the matrix?* Phoebe Hughes '16 (sponsor: Professor Justin Thackeray)
17. *Predicted role of SoxB genes during neurogenesis in the annelid Capitella teleta*. Christie Joyce '16 (sponsor: Professor Neva Meyer)
18. *Uncovering variations in the carbon strategies of giant kelp, Macrocystis pyrifera*. Celine Miranda '17 (in collaboration with Sarah Tepler, UCSC, sponsored by NSF Research experience for Undergraduates)
19. *The Role of BMP Signaling in Neural Development in the Annelid Capitella teleta*. Kristi Sarro '16 (sponsor: Professor Neva Meyer)
20. *Resource Partitioning in Response to Competition in Ochlerotatus hendersoni*. Levi Seeley '16 & Monica Marrone '16 (sponsor: Professor Todd Livdahl)
21. *Investigating Methylation Difference Between Honeybee Sub castes*. Ethan Wainblat '16, LEEP Fellow & Rachel Orlomoski '17, LEEP Fellow (sponsor: Professor Robert Drewell)
22. *Testing the Effects of Hydration State and Temperature on Moisture Preferences and Water-Conserving Postures in American Toads (Anaxyrus americanus)*. Verna Zhao '17, LEEP Fellow (in collaboration with Faye Harwell, graduate student; sponsor: Professor Philip Bergmann)

### Chemistry STOPPED HERE

23. *The Study and Magnetic Analysis of Inorganic Adamantane Analogs*. Jeremy Abdulla '18, LEEP Fellow (sponsor: Professor Mark Turnbull)
24. *Synthesis of Geraniol Analogues: In Support of the Kinetics Project*. Danielle Augur '16, LEEP Fellow (in collaboration with Michael Reardon, graduate student; sponsor: Professor Charles Jakobsche)
25. *Observed Trends in Microwave Synthesis of Cu<sub>2</sub>O Nanomaterials*. Zsanna Davis '16 (sponsor: Professor Luis Smith)
26. *Synthesis of Lead-Containing Three and Four-Layered Perovskites*. Kimberly DiManno '16 (in collaboration with Joshua Boykin, graduate student; sponsor: Professor Luis Smith)
27. *The Mechanochemical Synthesis of (SCNAP)<sub>n</sub>CuCl<sub>2</sub>*. Penelope Farris '18, LEEP Fellow (sponsor: Professor Mark Turnbull)
28. *A Molecular Bridge to Modify the Surface of HIV-enhancing Amyloid Fibrils*. Devon Fontaine '17, LEEP Fellow & Maria Solares Bucaro, '17, LEEP Fellow (in collaboration with Michael Reardon, graduate student; sponsor: Professor Charles Jakobsche)
29. *Synthesis of linear alkyl ethers for temperature regulation: Optimization of reaction conditions and process scale up*. Spencer Mayotte '16 & Daniel Harris '16 (sponsor: Professor Sergio Granados-Focil)

30. *The effect of 2-pyridone substitutions on the magnetic exchange of 2-pyridone/pyrazine linear chains of copper (II) perchlorate.* Meghan Monk '16 (sponsor: Professor Mark Turnbull)
31. *Construction of a Double Resonance Single-Input Adapter for Solid State NMR.* Donny Pearson '17 (sponsor: Professor Luis Smith)
32. *Synthesis and Characterization of Polyethyleneimine-Based Lithium Conducting Polymers to be Used in Energy Storage.* David Powers '16 (sponsor: Professor Sergio Granados-Focil)
33. *Construction of Cell for Lithium Polymer Matrix Analysis through PFG NMR.* Arjuna Shenoy '16 (sponsor: Professor Luis Smith)

### Cross-Disciplinary

34. *HireEd Program for Summer Interns.* Manjushree Burdekar, LEEP Fellow '16 (sponsor: Professor Andrew Stewart)
35. *Recreation Worcester.* Mark Crisafulli '16, LEEP Fellow & Haley Gilmore, LEEP Fellow '16 (sponsor: Professor Esteban Cardemil)
36. *Utilizing NASA Earth Observations to identify locations for sedimentation mitigation in the Ralston Creek Watershed following the September 2013 Colorado floods.* Amy Phillips '16 (sponsor: NASA DEVELOP National Program)
37. *Developing a Knowledge Management Curriculum for Nonprofits.* Yoni Sternberg, LEEP Fellow '17 — Education/Communications project (sponsor: Professor Johanna Vollhardt)

### Cultural Studies & Communication

38. *A "Beautiful and Interesting" Endeavor; Bilingual Youth Participatory Research and Writing on Poetry Inside Out.* Abby Moon '17, LEEP Fellow (sponsor: Professor Sarah Michaels)
39. *Youth Religious Enrichment in Southern New Hampshire.* Laura Virga '16, LEEP Fellow (sponsor: Professor Amy Whitney)
40. *WooFest: Music and Arts Festival.* Tricia Wise '16, LEEP Fellow & Faith Kelnhofer '16, LEEP Fellow (sponsor: Tina Zlody)

### Education

41. *Literacy Volunteers ESL Summer Program.* George Jreije '17, LEEP Fellow (also associated with the Political Science department; sponsor: Evette Walters)
42. *Making Worcester An Innovation District: Scaling Union Hill School's Successes Districtwide.* Kevin Louis '16 (sponsor: Professor Eric DeMeulenaere)

### English

43. *Bentley Diary Transcription LEEP Project.* Gabrielle Belisle '17, LEEP Fellow (sponsor: Professor Meredith Neuman)

### Environmental Science

44. *Nest Box Use and Habitat Preference in Tree Swallows.* Stefanie Farrington '17, LEEP Fellow (sponsor: Melissa Graham, graduate student)
45. *Comparing use of a Shovel with and without a Stilling Well for Measuring Deposited Fine Sediment.* Eric Pasay '16 (sponsor: Professor Shannon Brewer, Oklahoma State University)

## Geography

46. *Lessons from Mexico: Development Work in Sustainable Chicken Farming*. John Hite '17, LEEP Fellow — also associated with the Spanish Department (sponsor: Professor James Murphy)
47. *Measuring Post-Disturbance Regeneration of Forests in Northwest Colorado*. Digby Kalert '17, LEEP Fellow (in collaboration with Nathan Gill & Moriah Day, graduate students; sponsor: Professor Dominik Kulakowski)
48. *Assessing Potential Contributors to Coes Pond Pollution Using Multi Criteria Evaluation*. Zachary Peloquin '16, LEEP Fellow (sponsor: Professor Florencia Sangermano)
49. *The Appalachian Trail: Where Geography Meets Narrative*. Ted Randich '16, LEEP Fellow (sponsor: Professor Mark Davidson)
50. *A Socioeconomic Profile of Recreation Users of the California Northern Central Coast Region, Greater Farallones National Marine Sanctuary and the northern portion of Monterey Bay National Marine Sanctuary*. Daniela Reyes Saade '17, NOAA Fellow (sponsor: Professor James McCarthy)
51. *Interannual Sea Ice Variability in Cape Bathurst and Saint Lawrence Island Polynyas: Effects on Regional Primary Productivity*. Warren Scott '16, LEEP Fellow (sponsor: Professor Karen Frey)
52. *Cultivating Urban Youth: Professional Development through Farming*. Ariel Vaughan '17, LEEP Fellow (sponsor: Professor Jody Emel)
53. *Bursting the Clark Bubble: Improving Student Knowledge and Usage of Public Transportation Options in Worcester*. Alaina Yonkers '16, LEEP Fellow & Jarrett Taxman '16, LEEP Fellow (sponsor: Professor Mark Davidson)

## Global Environmental Studies

54. *Coes Pond Water Quality Testing & Living Machine Prototype Development*. Jessica Cusworth '16, LEEP Fellow, Gabrielle Rigutto '16, LEEP Fellow & Belen Betancourt '16, LEEP Fellow (sponsor: Professor Timothy Downs)

## HERO (Human-Environment Regional Observatory)

55. *Assessing the Survivorship and Conditions of the Planted Trees in Worcester, MA*. Yuka Fuchino '16 & Chung Truong-Nguyen '16 (sponsors: Professor John Rogan and Professor Deborah Martin)
56. *Evaluating Residents' Experiences with Tree Planting Programs in Worcester, MA*. Eli Goldman '16 & Isabel Miranda '17 (sponsors: Professor Deborah Martin and Professor John Rogan)
57. *Indirect Indicators of Tree Survivorship*. Hannah Rosenblum '16 & Ali Filipovic '17 (sponsors: Professor John Rogan and Professor Deborah Martin)

## Sustainable Clark

58. *Greening Transportation at Clark University*. Hannah Rosenblum '16, LEEP Fellow (sponsor: Jenny Isler)



## History

59. *The Adams Men: A Transgenerational Study of Deacon John Adams, John Adams, and John Quincy Adams*. Gretta Cox-Gorton '16, LEEP Fellow (sponsor: Professor Drew McCoy)
60. *Holocaust-Era Money and the Economics of Genocide*. Marisa Natale '17, LEEP Fellow (sponsor: Professor Thomas Kühne)

## Holocaust and Genocide Studies

61. *Summer 2015 Internship: Mashantucket Pequot Museum*. Emma Durocher '16 (sponsor: Professor Shelly Tenenbaum)
62. *Completing the Story: Investigating Photos Relating to the Work of Varian Fry*. Jonathan Edelman '16 (sponsor: Professor Shelly Tenenbaum)

## International Development and Social Change (IDSC)

63. *Rural Energy Crisis, Poverty and conflict in Rural Haiti*. Ashly Brun '17, LEEP Fellow (sponsor: Professor Jude Fernando)
64. *Understanding Post-Apartheid Dynamics in an Integrated South African Village*. Devra Goldstein '16 - Steinbrecher Fellow (sponsor: Professor Cynthia Caron)
65. *Safe Routes to School Program in the City of Worcester*. Giovana Ortiz-Barrera '17, LEEP Fellow (sponsor: Professor Marianne Sarkis)
66. *Returned Peace Corps Volunteers Experiences*. Sabrina Taveras '16, LEEP Fellow (sponsor: Professor Cynthia Caron)
67. *Justice, Justice Shall You Pursue: The Connection Between the Jews of Mumbai and the Kalwa Slum*. Molly Weilbacher '17, LEEP Fellow (sponsor: Professor David Bell)
68. *Growing Places: Food Justice in Central Massachusetts*. Jessie Zelisko '16 (sponsor: Professor Cynthia Caron)

## International Development, Community and Environment (IDCE)

69. *Hot Spots of Prostitution Related Arrests in Worcester, MA*. Clara O'Rourke '16, LEEP Fellow (sponsor: Professor Marianne Sarkis)

## Law and Society

70. *Stop the Drop: Working against the SNAP Crisis in Massachusetts*. Jake Dinerman '16, LEEP Fellow (sponsor: Professor Mark Miller)

## Linguistics

71. *The Future of Language Exchange in a Technologically Saturated World*. Jandi Keum '16, LEEP Fellow (sponsor: Professor Shari Worthington)

## Management

72. *LEEP Project. Business Development internship at Fort Strategic*. Karla Villanueva '16, LEEP Fellow (sponsor: Professor David Jordan)

## Mathematics and Computer Science

73. *Predictive Link Following For Accessible Web Browsing*. Jiri Roznovjak '18, LEEP Fellow (sponsor: Professor John Magee)
74. *WooConnect Summer LEEP Project*. Abhijit Singh '16, LEEP Fellow & Cyrus Fenderson '16, LEEP Fellow (sponsor: Professor Amy Whitney)
75. *Application of Spectral Clustering in Genetics*. Binh Tang '16 (sponsor: Professor Lawrence Morris)

## Music

76. *Worcester Chamber Music Society Music Camp*. Cailley Culotta '16, LEEP Fellow (sponsor: Professor Peter Sulski)
77. *The Etchings Festival: A Contemporary Music Experience*. Moises Duron '16, Steinbrecher Fellow (sponsor: Professor John Aylward)

## Physics

78. *Troubleshooting and re-design of a small pulsed field TDO system*. Logan Bishop-Van Horn '17 (sponsor: Professor Charles Agosta)
79. *Constructing a Wind Speed Measurement Station*. El Ghali Bouchareb '17 (sponsor: Professor Charles Agosta)
80. *The Olami-Feder-Christensen Model*. Ayush Joshi '16 (sponsor: Professor Louis Colonna-Romano)
81. *Zipf's Law and Criticality in Biological Systems*. Nizar Naitlho '16 (sponsor: Professor Ranjan Mukhopadhyay)
82. *Troubleshooting the data acquisition process for a small pulsed field TDO system*. Max Newman '17 (sponsor: Professor Charles Agosta)
83. *Evolutionary Dynamics*. Greg Schulman '16 (sponsor: Professor Ranjan Mukhopadhyay)
84. *Investigating the Properties of Cuprous Oxide Nanocubes using AFM and STM*. Lubaina Selani '17, LEEP Fellow, Lucas LaLima '17 & Muhammad Kasule '17, LEEP Fellow (sponsor: Professor Michael Boyer)
85. *Measurements of drag forces in Hydrogels*. Nuzhat Tabassum Tani '18, LEEP Fellow (in collaboration with Xavier Clotet Fons, post-doctoral research associate; sponsor: Professor Arshad Kudrolli)
86. *Clark Microgrid Renewable Energy*. Ekaterina Taunova '16, LEEP Fellow (sponsor: Professor Charles Agosta)
87. *Renewable Technology Research — Solar Microgrid Control Board*. Zachary Weller '16, LEEP Fellow (sponsor: Professor Charles Agosta)

## Political Science

88. *Politico-Economic Evolution of Albania Post-Communism and Its Influence on the Present-Day Albanian Female: Analyzed Over the Eras of 1992-1997 and 1997-present*. Dea Dodi '17 — Also associated with the Economics Department (sponsor: Professor Srinivasan Sitaraman)
89. *Regional Environmental Council Internship*. Ryan Hennrikus '17, LEEP Fellow (sponsor: Professor Ora Szekely)
90. *How Technology benefits Non-profit Organization?* Huong Le '16, LEEP Fellow (sponsor: Professor Kristen Williams)
91. *My Time in the Middle East*. Jonah Naghi '16, Also associated with the History Department (sponsor: Professor Ora Szekely)

## Psychology

92. *The role of age and intragroup religious differences in predicting conflict attitudes*. Jonah Naghi '16 (sponsor: Professor Johanna Vollhardt)
93. *Table Talk: College Women's Discourses Surrounding Food, Dieting, and Body Image*. Gianna Bizzarro '16 (in collaboration with Justin LaPlante; sponsor: Professor James Cordova)
94. *Traumatic Life Events and Life Purpose*. Hannah Camiel '16 (sponsor: Professor Seana Moran)
95. *Role of language in shaping cultural identities of Indian American emerging adults*. Audrey Dolan '17 (in collaboration with Achu Johnson Alexander, graduate student; sponsor: Professor Jeffrey Arnett)
96. *Where have all the Queers gone? Missing data on the health of LGB populations*. Themal Ellawala '17, LEEP Fellow (sponsor: Professor Esteban Cardemil)
97. *"Our Kids Are Being Killed": Media Representations of Constance Malcolm, Lesley McSpadden and Samaria Rice*. Danika Gloege '16 (sponsor: Professor Nicola Curtin)
98. *Victim Consciousness in the context of the Cyprus Conflict: Preliminary Findings and Implications*. Eliana Hadjiandreou '16 (sponsor: Professor Johanna Ray Vollhardt)
99. *What's Prosocial about Purpose? A Theoretical Framework and Review of the Literature*. Eliana Hadjiandreou '16 (sponsor: Professor Seana Moran)
100. *Autism and Aggression: A Literature Review Examining the Potential Courtesy Stigma Parents of Children with Autism May Experience*. Kayla Landis '16, Steinbrecher Fellow (sponsor: Professor Nicole Overstreet)
101. *The Role of Gender in Predicting Conflict Attitudes: Findings on the Israeli-Palestinian and Cypriot Conflicts*. Miranda Smerling '18 (sponsor: Professor Johanna Vollhardt)

## Public Health Program

102. *2015 Greater Worcester Community Health Assessment*. Tess Lewin-Jacus '17, LEEP Fellow (sponsor: Professor Zachary Dyer)

## Screen Studies

103. *Their Stories — The Women who Challenged Convention and Changed Clark's World*. Hannah Kogut '17, LEEP Fellow (also associated with the History Department; sponsor: Professor Marianne Sarkis)

## Sociology

104. *The Socioeconomic Condition of Rural Communities and Implications for Renewable Energy Industries*. Marie Deininger '16.
105. *Gateway Arts: Expanding into the Community*. Lily Scheindlin '16, LEEP Fellow (sponsor: Professor Patricia Ewick)

## Student Leadership and Programming

106. *Branding and Marketing Student Involvement at Clark*. Zabrina Motwani '17, LEEP Fellow (sponsor: Timothy St. John)

## Theodore H. Barth Foundation

107. *Public Interest law — At Harvard and beyond*. Suaida Firoze '16, Management Department (sponsor: Professor Barbara Bigelow)
108. *Retributive Justice in Children*. Despoina Lioliou '17 – Psychology Department & Yale University Social Cognitive Development Lab (sponsor: Professor Johanna Vollhardt)
109. *Interning at United States Embassy San Salvador*. Alexander Merriam '17 – Geography Department (sponsor: Professor Deborah Martin)
110. *International experiencing in financing for metro system in big cities*. Trang Nguyen '17, Economics Department (sponsor: Career Services)
111. *(RED): Fight Against HIV/AIDS*. Sabina Verghese '16, International Development and Social Change (IDSC) Department (sponsor: Professor Anita Fabos)
112. *The Effect of Extent and Intensity of Land Use on the Ecosystem Service of Native Bee Populations to Agricultural Systems*. Rose Watts '17, LEEP Fellow, Environmental Science Department (sponsor: Professor John Baker)

# STUDENT DISTINCTIONS

## HONOR SOCIETIES

### 2015-2016 Members of Fiat Lux

Hannah Camiel  
Alexandra Cohen  
Devra Goldstein  
Jacob Hartman  
Haley Hennebury  
Kayla Landis  
Daniella Levine  
Clara O'Rourke  
Gabrielle Paolini  
Renee Robichaud  
Gabrielle Seligman  
Sanika Shah  
Arjuna Shenoy  
Chelsea Viteri  
Ying Ge Wang

### 2015-2016 Members of Gryphon and Pleiades

Julia Carrasquel Marquez  
Timothy Conley  
Jacob Dinerman  
Rahul Dutt  
Devra Goldstein  
Corey Gomes  
Connor Guerin  
Kayla Landis  
Gabrielle Paolini  
Meghan Reilly  
Hannah Silverfine  
Farah Weannara

### Phi Beta Kappa Prize

Marisa Natale

## UNIVERSITY AWARDS

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

Meghan Reilly  
Jacob Simmons

### The Marshall Geer McKim Memorial Fund

Caleb Encarnacion-Rivera  
Megan Tighe  
Tess Reichart

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

1st Place: Gabrielle Seligman  
2nd Place: Jules Ochoa  
3rd Place: Themal Ellawala

### The Thomas Wisniewski Undergraduate Award

Jheanell Lumsden

## DEPARTMENTAL AWARDS

### Biology

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

*David Potter Prize for Excellence in Biology*  
Sam Kavaka

### Chemistry and Bio-Chemistry

*American Chemical Society Undergraduate  
Award in Analytical Chemistry*  
Devon Fontaine

*Chemical Rubber Company Press Freshman  
Chemistry Achievement Award*

Mitchell Dumke  
Courtney Pharr  
Siqi Yuan

*Organic Chemistry Prize*

Antony Gruness  
Alistar Richardson

*Wen-Yang Wen Award for Excellence in  
Chemistry*

David Powers

## Economics

*David R. Porter '35*

*Prize for Excellence in Economics*

Doga Bilgin

*The Roger Van Tassel Book Prize*

Tehreen Cheema

Gemma Wilkins

## English

*Leroy Allston Ames Essay Contest*

1st Place: Aubrey Haskell

2nd Place: Michell Perry

*William H. Carter, Jr. Prize in English*

Samantha Wallace

*Loring Holmes and Ruth Dodd Drama Contest*

2nd Place: Laura Barker

3rd Place: Chloe Anderson

*Prentiss Cheney Hoyt Poetry Contest*

1st Place: Jessica Hoops

*Betty '79 and Stanley Sultan*

*Short Story Contest*

1st Place: Madhubanti Anashua

2nd Place: Laura Barker

3rd Place: Sarah Wells

## Geography

*Peter Condakes Research Fellowship*

Yuka Fuchino

Dale Watt

*Strabo Award*

Eric Pasay

## History

*H. Donaldson Jordan Prize*

Marissa Natale

## International Development, Community, and Environment

*Theodore Von Laue Undergraduate Prize in International Development*

Devra Goldstein

## Philosophy

*Logic Prize in Philosophy*

Seamus O'Connor

## Physics

*Roy S. Andersen '43 Award*

Milky Abajorga

## Political Science

*Morris H. Cohen Prize*

Lauren Howard

*Irving and Edith Wilner Prize*

Kallie McLoughlin

Lauren Meininger

## Premedical / Pre dental Program

*Dr. Kenneth A. Senter '43 Award*

Shivani Patel

Kayli Schulz

Ying Ge Wang

## Visual and Performing Arts

*Jason Michael Simpkins*

*Memorial Endowment for Screen Studies*

Skyla Choi

Carlos Deschamps

*Patricia M. Plamondon Undergraduate Award in Visual and Performing Arts*

Moises Duron

# STUDENT SUMMER RESEARCH AND INTERNSHIP AWARDS

## Chandler Bailey Internship in Economics

Doga Bilgin

## Theodore H. Barth Foundation Summer Internship Award

Suaida Firoze

Desponia Lioliou

Alexander Merriam

Trang Nguyen

James Patin

Michael Strachota

Sabina Verghese

Rose Watts

## Lise Anne and Leo E. Beavers II Fellowship

Amanda Fragata

Christie Joyce

Hung Pham

Kristi Sarro

Tina Thao Vo

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

Marisa Natale

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

Nizar Naithlo

Shivani Patel

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

Moises Duron

Angeline Kopka

Emma Mitchell

Boa Chung Truong Nguyen

Brian Woos

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

Logan Bishop-Van Horn

Ayush Joshi

**Fulbright Summer Institute**

Hannah Kogut

**Stanley Geschwind Memorial  
Summer Internship Award**

El Ghali Bouchareb

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

Will Heikes

Kevin Louis

**The Harrington Public Affairs Fellowship  
Program for Undergraduates**

Ryan Early

Lauren Howard

Michael Pierce

Courtney Thomas

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

Ali Filipovic

Yuka Fuchino

Eli Goldman

Isabel Miranda

Hannah Rosenblum

Bao Chung Truong Nguyen

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

Christopher Dibble

Young Heo

Fernando Pinoargote

Calder Sett

**International Studies Stream Summer  
Research Award**

Dea Dodi

**Henry J. Leir Summer Research Scholarship**

Alexander Wall

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

Saira Khan

Katherine Landesman

Daniela Reyes Saade

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

Donny Pearson

**Maurine H. Milburn  
Summer Research Fellowship**

Lucas LaLima

Max Newman

Greg Schulman

Hui Tan

Ying Ge Wang

**PCI Synthesis Chemistry Summer  
Fellowship**

Penelope Farris

Devon Fontaine

Maria Solares Bucaro

**Steinbrecher Fellows**

Oyut Amarjargal

Moises Duron

Alicja Gancarz

Devra Goldstein

Brittany Klug

Kayla Landis

Julianne Murphy

Sanika Shah

Yitao Shen

