FALL FEST 2016
OCTOBER 21 FROM 1-4 P.M.
GODDARD LIBRARY | ACADEMIC COMMONS & 2ND FLOOR

A Celebration of Undergraduate Students’ Academic Achievements & Scholarly Distinctions

CLARK UNIVERSITY
CHALLENGE CONVENTION. CHANGE OUR WORLD.
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!
ORAL PRESENTATIONS

Fuller Conference Room (4th floor — Goddard Library)

1-1:15 p.m. INTERNATIONAL DEVELOPMENT, COMMUNITY & ENVIRONMENT DEPARTMENT (IDCE)
*The Detrimental Health effects of Unplanned Urbanization and Climate Change.* Maya Hodgson-Dottin ’17, LEEP Fellow (sponsor: Professor Jude Fernando)

1:20-1:40 p.m. INTERNATIONAL DEVELOPMENT AND SOCIAL CHANGE (IDSC)
*IDSC Capstone: Law and Society in Africa, SOAS.* Beliansh Assefa ’17 (sponsor: Professor Anita Fabos)

1:40–2 p.m. PSYCHOLOGY
*Benefits of Yoga in the Park.* Nidhi Thaker ’17, LEEP Fellow (sponsor: Professor Johanna Vollhardt and LEEP Center)

2–2:15 p.m. POLITICAL SCIENCE
*Voices From Afar: Engaging and Empowering the Jamaican and Dominican Diaspora on LGBT Policy Issues.* Courtney Thomas ’17, LEEP Fellow (sponsor: Professor Heather Silber-Mohamed)

2:15–3:30 p.m. POLITICAL SCIENCE

Prouty Conference Room (4th floor — Goddard Library)

1-1:15 p.m. ART HISTORY
*Architecture Conservation: Bogota’s Estacion de la Sabana.* Maria Luisa Escobar Pardo ’17, LEEP Fellow (sponsor: Professor Kristina Wilson)

1:15–1:40 p.m. LAW AND SOCIETY
*Sexual Assault on College Campuses: Understanding University and Criminal Judicial Systems.* Sarah Maloney ’17, LEEP Fellow (sponsor: Professor Steven Kennedy) Please be advised: this presentation contains difficult subject matter

1:40-1:55 p.m. EDUCATION
*Against the Opportunity Gap: Providing Summer Academic Programming to Underserved Youth in Dorchester.* Katherine Alexander ’17, LEEP Fellow (sponsor: Professor Valerie Sperling)

1:55-2:10 p.m. MUSIC
*The Main Room.* Aaron Meyer ’17, LEEP Fellow (sponsor: Professor Jessica Bane-Robert)

2:10–2:30 p.m. ENGLISH
*Marketing & Social Media Content Creation for Rabbit Heart Poetry Film Festival.* Audrey Dolan ’17, LEEP Fellow (sponsor: Professor James Elliott)
2:30–2:50 p.m. GEOGRAPHY
Spatiotemporal Assessment of the Future Environmental Water Demand in Khanbogd, Mongolia. Oyut Amarjargal ’17, LEEP Fellow (sponsor: Professor Prajwal Panday)

2:50–3:05 p.m. INTERNATIONAL DEVELOPMENT AND SOCIAL CHANGE (IDSC)
Project Orientations and Audit Tracking. Audriana Vassel ’17, LEEP Fellow (sponsor: Professor Nigel Brissett)

3:05–3:30 p.m. PHILOSOPHY
Capitalist Hinderances to Moral Willing: Lessons from Kant and Marx. James Patin ’17 (sponsor: Dr. C. W. DeMarco, Senior Lecturer in Philosophy)

3:30–3:50 p.m. HISTORY
1920s German Women’s Magazines as Public Spaces. Meghan Paradis ’17 (sponsor: Professor Nina Kushner)

SUMMER RESEARCH & LEEP FELLOWS POSTERS/PRESENTATIONS

Biochemistry and Molecular Biology

1. Biochemical and Mechanistic Studies on the HECT E3 Ubiquitin Ligase HUWE1. Noor Alzuhairy ’17, LEEP Fellow (sponsor: Professor Donald Spratt)

2. Development of the eyes and wings of Drosophila melanogaster. Diana Argiles Castillo ’18, LEEP Fellow (sponsor: Professor Justin Thackeray)

3. Biochemical and Mechanistic Studies of ITCH: A HECT E3 Ubiquitin Ligase. Roela Bardhi ’17, LEEP Fellow (sponsor: Professor Donald Spratt)


5. Systems for Adverse Event Reporting: Creating a Fair and Just Safety Culture. Antony Gruness ’17, LEEP Fellow (sponsor: Professor Sergio Granados-Focil)

6. Copolymerization of Lauryl Methacrylate and Methyl Methacrylate. Jenna Harrison-Peters ’18 (sponsor: Professor Sergio Granados-Focil)

7. Isolating the Opportunistic Fungal Pathogen Aspergillus fumigatus from the Clark University Campus. William Hawkins ’17 (sponsor: Professor John Gibbons)

8. Deciphering the Structure and Mechanism of AREL1 to Enhance Chemosensitivity in Tumor Cells. Pinky Htun ’17, LEEP Fellow (sponsor: Professor Donald Spratt)

9. A Mechanistic and Biochemical Study of HERC1 and E6AP E3 Ubiquitin Ligases. Feston Idrizi ’16, LEEP Fellow (in conjunction with Yaya Wang, graduate student; sponsor: Professor Donald Spratt)

10. HECTD1 — An E3 Ubiquitin Ligase Involved in Neural Tube Closure and Placental Development. Vladislav Kiveliyk ’17, James and Ada Bickman Fellow (sponsor: Professor Donald Spratt)
11. Production and Activity of Insulin-Degrading Enzyme: Preliminary Data for Future Work with Amyloid-β Polypeptide. Claire Krasinski ’17 (in collaboration with Valerie Ivancic, graduate student; sponsor: Professor Noel Lazo and Professor Donald Spratt)

12. Investigation of the Nucleolar Localization of DdSsrc. Siu Ting Lam ’17 (in collaboration with Elizabeth Nelson, graduate student; sponsor: Professor Denis Larochelle)

13. Investigating the Role and Function of Musashi-1 in Oligodendrocytes. Jenna Libera ’18 (sponsor: Professor Sean Ryder)

14. Relationship of Plasma MiRNAs to Atrial Fibrillation Recurrence After Catheter Ablation. Jordan Majka ’18 (in conjunction with UMass Medical School sponsor: Dr. David McManus)

15. Insertion of CenB into pGex-4T-1 in Dictyostelium discoideum. Tram-Anh Nguyen ’17, LEEP Fellow (in collaboration with Shivani Patel; sponsor Professor Denis Larochelle)


17. Biochemistry and Mechanism of the HECT E3 Ubiquitin Ligase WWP1. Emilie Ogisu ’17, LEEP Fellow (sponsor: Professor Donald E. Spratt)

18. Investigating DNA Methylation in Dictyostelium discoideum. Precious Oyem ’17 (in collaboration with James St. Denis, graduate student; sponsor: Professor Denis Larochelle)

19. Controlled Radical Polymerization of N-Isopropylacrylamide. Alistair Richardson ’17 & Graham Bell ’17 (sponsor: Professor Sergio Granados-Focil)

20. Impact of small molecules on the enzymatic activity of lentil seedling oxidase. Maria Solares ’17 (in collaboration with Ashley Burke, graduate student; sponsor: Professor Charles Jakobsche)

21. Biochemical Characterization of HERC2, a HECT E3 Ubiquitin ligase implicated in Breast Cancer. Noah Schwaegerle ’17, LEEP Fellow (in collaboration with Yaya Wang, graduate student; sponsor: Professor Donald Spratt)

22. Fluorescently Labeled Non-Viral DNA Delivering Vector. Alva Tan ’17 & Thanaphorn Suk-in ’17 (sponsor: Professor Sergio Granados-Focil and Professor Robert Bellin)

23. Roles of the Hydrophobic Core Residues in Insulin Conformational Changes. Tran Tran ’17 (in collaboration with Qingzhe (Mark) Tan, graduate student; sponsor: Professor Shuanghong Huo)

24. Developing Activity-Based Molecular Probes to Analyze Cancer-Relevant Enzymes. Alexander Wall ’17, LEEP Fellow (sponsor: Professor Charles Jakobsche)

**Biology**


26. Head shape and substrate effects on subsurface locomotion in lizards. David Berry ’18 (sponsor: Professor Philip Bergmann)

27. Unexpressed Plasticity as a Source of Variation in the Three Spine Stickleback. Sophie Debler ’17, Steinbrecher Fellow (in conjunction with Summer Undergraduate Research Experience {SURE}; sponsor: Professor Susan Foster)

29. **Invasion of Aedes Albopictus in Bermuda.** Maya Hodgson-Dottin ’17 (sponsor: Professor Todd Livdahl)

30. **The role of Notch/Delta signaling during brain and ventral nerve cord development in the spiralian annelid Capitella teleta.** Iva Hoxha ’17 (sponsor: Professor Neva Meyer)

31. **Elucidating the effects of ectopic BMP signaling on neural development in the annelid Capitella teleta.** Amiel Jaggernauth ’18 (sponsor: Professor Neva Meyer)

32. **Nucleotide Relations in Promoter Region Binding Sites for Basal Transcription Factors.** Degen Larkin ’17 (sponsor: Professor Robert Drewell and Professor Jacqueline Dresch)

33. **Gene Regulation in Maturing Cerebellar Granule Neuron Cells.** Jesslyn Lukman ’18, LEEP Fellow (sponsor: Professor David Thurlow)

34. **Relationship Between Hindlimb Morphology and Jump Performance in the Green Frog.** Jordan Majka ’18 (in association with Sherman Fairchild Scholarship Program sponsor: Professor Philip Bergmann)

35. **Exploring the drivers of Gene Expression between Diatom spp.** Celine Miranda ’17 (sponsor: Professor Deborah Robertson)

36. **A Tale of Two Microbes: Campylobacter Transmission & Cyanobacteria Genera.** Julianne Murphy ’17, Sponsored by the Henry J. Leir Luxembourg Program (sponsor: Professor John Baker)

37. **Biophysical analysis of FTZ-DNA binding site affinity.** Rachel Orlomoski ’17 (sponsor: Professor Robert Drewell, Professor Jacqueline Dresch, and Professor Donald Spratt)

38. **Investigating DNA Methylation Differences Within Sub-castes of Apis mellifera.** Sarah Parker ’17 & Aishwarya Ayyappan ’18 (sponsor: Professor Robert Drewell)

39. **Biochemical Characterization of SMURF1.** Lara Prosterman ’17 (sponsor: Professor Donald Spratt)

40. **Thermal legacies: Investigating the maternal and paternal roles of transgenerational plasticity in Cyprinodon variegatus.** Kristen Sheldon ’17 (sponsor: Professor Deborah Robertson)

41. **Power Analysis of a Novel Nonlinear Phylogenetic Regression Model.** Justin Wilbur ’17 (in collaboration with Gen Morinaga, graduate student; sponsor: Professor Philip Bergmann)

42. **Illustration and Design: Mushrooms in the Tree of Life.** Amy Yeager ’17 & Sam Hill ’17 (sponsor: Professor David Hibbett)

43. **Investigating the Role of CG4096 gene in the EGFR Signaling Pathway.** Siqi Yuan ’17 (sponsors: Professor Justin Thackeray)

**Chemistry**

44. **Mechanochemical synthesis of LnCuX2 (L = 3-cyanopyridine; n = 1,2; X = Cl, Br) via drop-solvent grinding.** Jonathan Chellali ’18 (sponsor: Professor Mark Turnbull)

45. **Transition metal complexes of 2-amino-3,5-dihalopyridines: Synthesis, structures and magnetic properties of (3,5-diCAP)2Cu2X6 and (3,5-diBAP)2Cu2X6.** Joris Cipi ’17 (sponsor: Professor Mark Turnbull)

46. **Synthesis of a Small Molecule Active in Lowering HIV Infectivity.** Devon Fontaine ’17 (in conjunction with Valerie Ivancic, graduate student; sponsor: Professor Charles E. Jakobsche)

47. **Synthesis, Structure, and Magnetic Behavior of Nickel (II) and Cobalt (II) Halide Complexes of isoquinoline.** Micheal Kebede ’18 (sponsor: Professor Mark Turnbull)
Computer Sciences
48. Camera Canvas for the motor-impaired. Trung Ngo ‘18 (sponsor: Professor John Magee)
49. Generating Realistic Images Using Deep Neural Networks. Jiri Roznovjak’18 (sponsor: Professor John Magee)
50. Eye-Gaze With Predictive Link Following Improves Accessibility as a Mouse Pointing Interface. Jason Vazquez-Li ’17, LEEP Fellow & Lyle Stachecki ’17, LEEP Fellow (sponsor: Professor John Magee)

Cross-Disciplinary
51. Imposed/Ascribed: Heritage and Identity in North-East India. Fileona Dkhar ‘17 (sponsor: Professor Robert Tobin)
52. Goddard Library Research Guides. Nadia Friedler ‘17, LEEP Fellow & Devin Melle ‘17, LEEP Fellow (sponsor: Tony Penny)
53. Visual Arts Facilitator at the Boys and Girls Club of Worcester LEEP Project. Faith Geanacopoulos ‘17, LEEP Fellow (sponsor: Linda Freedman)

Cultural Studies & Communication
54. IdentifyU — Poetry Inside Out. Margaret Foster ’18, LEEP Fellow, Savannah MacLean ’17, LEEP Fellow & Celia Ringland ‘17, LEEP Fellow (sponsor: Professor Sarah Michaels)
55. Creative Promotions Development for Spiritual Haze. Alex Hull ’19, LEEP Fellow (sponsor: Professor Matt Malsky)

Economics
56. Food Access/ Health Metrics Internship. Nicholas Johnson ’17, LEEP Fellow (sponsor: Professor Jacqueline Geoghegan)

Education
57. Fostering Creativity for Young People in Dublin. Tess Reichart ’17, LEEP Fellow (sponsor: Professor Meredith Neuman)

English
58. Female Homelessness in Worcester; Summer Internship at the Abby Kelley Foster House. Madeline Phillips ’17, LEEP Fellow (sponsor: Professor James Elliott)

Environmental Science
59. Soil Phosphates Response to Varying Moisture Levels. Meyru Bhanti ’18 (in conjunction with St. Michaels college in Burlington, VT sponsor: Professor Farrah Fatemi)
60. Water Supply Treatment of Oyu Tolgoi Mining in Mongolia and Its Environmental, Social, and Economical Cost. Odgerel Chintulga ’18, LEEP Fellow (sponsor: Professor John Baker)
61. Bird species diversity, landscape ecology, and bioacoustics: analysis of the Rio de Piedras Reservoir Project. Stefanie Farrington ’17 (sponsor: Professor John Gibbons)
62. Community-Based Approaches to Climate Change Resilience in Rural Nepal. Sophia Graybill ’17, LEEP Fellow (sponsor: Professor Timothy Downs)
63. Assessment of disease abundance and bleaching in Acropora spp. in South Caicos, Turks and Caicos Islands. Celine Miranda ‘17 (sponsor: Professor Deborah Robertson)
Geography
64. Research and Development at NPR ft. GIS. Amanda Canarios ’17, LEEP Fellow (sponsor: Professor Mark Davidson)
65. Monitoring and Forecasting Shifting Climate and Land Change Impacts in Peru’s Parque de la Papa for Enhanced Agricultural Management. Shirin Esmaeili ’17 (sponsor: Professor Florencia Sangermano)
66. Education and Urban Green Space: A GIS analysis of Graduation Rates and Green Space in Denver, Colorado. Will Heikes ’17, LEEP Fellow (sponsor: Professor Mark Davidson)
68. GIS Internship with NOAA's Office of Coastal Management. Isabel Miranda ’17 (sponsor: Professor Mark Davidson)
69. Verification of the Sedimeter as a Turbidity, Erosion, and Scour Sensor. Carly Robbins ’18 (sponsor: Professor Chris Williams)
70. Assessing Landscape Vulnerability to Drought and Climate Change in National Parks of the Western United States. Thomas Smith ’17 (in conjunction with NASA DEVELOP National Program; sponsor: Professor John Rogan)

HERO (Human-Environment Regional Observatory)
71. Assessing juvenile tree status from plantings initiatives within ALB Quarantine Zone, MA. Tyler Anderson ’18, Eli Simonson ’17 & Rishi Singh ’17 (in conjunction with Geography sponsor: Professor John Rogan)
72. Assessing resident experiences with tree planting initiatives in Worcester, MA. Savannah Sanford ’17, Emma Freud ’17, Rishi Singh ’17, Eli Simonson ’17, & Tyler Anderson ’18 (sponsor: Professor John Rogan and Professor Deb Martin)

History
73. Examining Worcester’s African American Population’s Participation in Religious, Community, and Fraternal Life. Joseph Viola ’17, LEEP Fellow (sponsor: Professor Janette Greenwood)

Innovation and Entrepreneurship
74. Social Entrepreneurship in Bogotá, Colombia. Carla Lee ’18 (in conjunction with women from a foundation in Bogotá, as well as other students from the Universidad Javeriana; sponsor: Professor John Dobson)
75. Urban Agriculture: Entrepreneurship in Bogota, Colombia. Sydney Tanguay ’17, LEEP Fellow (sponsor: Professor John Dobson)

International Development and Social Change (IDSC)
76. Reconciliation: Changing Pressures on Sustainable Cuban Urban Agriculture. Claire Bayler ’17, LEEP Fellow (sponsor: Professor Jude Fernando)
77. How Are Communities (In SE Asia) Affected By Tourism/Voluntourism? (Using The Case Study Of Operation Groundswell). Amy Fallon ’17, LEEP Fellow (sponsor: Professor Denise Humphreys Bebbington)
78. WAASE Project Management Internship. Claire Hanna ’17, LEEP Fellow (sponsor: Professor Marianne Sarkis)
79. Struggles and Court Cases of the LGBTQI Community in India: Through the Lens of Documentary-Film. Maya Katz-Ali ’17, LEEP Fellow (sponsor: Professor Anita Fabos)

80. Referral Network Analysis with the Worcester Alliance Against Sexual Exploitation. Molly Kellman ’17, LEEP Fellow (sponsor: Professor Marianne Sarkis)

81. Commercial Sexual Exploitation in Worcester: Mapping the Legal Pathway and Identifying Gaps in Services/Opportunities for Interventions. Leah Meyers ’18 and Maria Rudorf ’18 (sponsor: Professor Marianne Sarkis)

82. Peace Corps: Marketing and Social Media Coordinator. Bethlehem Phifer-Houseman ’17, LEEP Fellow (sponsor: Professor Anita Fabos)

83. Creating an Alternative Spring Break Program. Jenny Rubin ’18, LEEP Fellow (sponsor: Professor Micki Davis)

Language, Literature and Culture

84. “ChamTell” Teaching Program. Elias Champi ’17, LEEP Fellow (sponsor: Professor Constance Whitehead Hanks)

85. Translation: Theory and Practice. Nikolas Wagner ’18, LEEP Fellow (sponsor: Professor Robert Tobin)

Management

86. Social Marking to Improve Worcester’s Waterways, LEEP Project. Vincent Morra’17, LEEP Fellow (in conjunction with Blackstone Headwaters Coalition and Peter Coffin)

Mathematics and Computer Science

87. An Evolved Evolutionary Algorithm. Michael Gaiewski ’18 (sponsor: Professor Jacqueline Dresch)

Physics

88. Analysis of Surface-Layer Lattice Distortions in TbTe3. Matthew Alvarado-Ross ’17 (sponsor: Professor Michael Boyer)

89. Clark University Microgrid System. Camille Bales ’19 (sponsor: Professor Charles Agosta)

90. The Bistro USB Charging Station. Yoni Hazan ’18 (sponsor: Professor Charles Agosta)

91. Biological Switch to Oscillator Transitions. Alec Ikei ’17 (in collaboration with Ammar Tareen, graduate student; sponsor: Professor Ranjan Mukhopadhyay)

92. Fluid Flow in a Granular Media Bed. Nikolay Ionkin ’18, LEEP Fellow & Nathan Fitzpatrick ’18, LEEP Fellow (sponsor: Professor Arshad Kudrolli)

93. Investigation of Cuprous Oxide Nanocubes Using Scanning Tunneling Microscopy. Donny Pearson ’17, Muhammad Kasule ’17 & Lubaina Selani ’17 (sponsor: Professor Michael Boyer)

94. Evolutionary Dynamics. Greg Schulman ’17 (sponsor: Professor Ranjan Mukhopadhyay)

Philosophy

95. Concepts of disability and adaptive rock climbing. Marielle Joseph ’17, LEEP Fellow, Alyssa Williams ’17, LEEP Fellow & Madi Carleton ’17, LEEP Fellow (sponsor: Professor Wiebke Deimling)
Political Science
96. Research and Innovation at NOAA. Rebecca Hadik ’17 (sponsor: Professor Amy Richter)

Prehealth
97. Project Healthcare. Courtney Pharr ’17, LEEP Fellow (sponsor: Professor Michelle Bata)

Psychology
98. The effects of meditation and rumination on reported perceived stress and optimism in undergraduate students. Sherief Eldeeb ’18 (sponsor: Professor Nicole M. Overstreet)

99. Hegemonic Empathy in Adolescent Boys. Brandon Hall ’17 (sponsor: Professor Andrew Stewart)

100. Heterosexism in the Workplace: Extended Tests of the Outgroup Male Target Hypothesis. Declan Kurant ’17, LEEP Fellow (sponsor: Professor Andrew Stewart)

101. Developing a Curriculum for Perspectives Corporation. Julissa Lopez ’18, LEEP Fellow (sponsor: Professor Esteban Cardemil)

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

Sociology
103. Olivia Benson as Detective, Lieutenant, and Mother: An Analysis of Occupations, Feminism, Law Enforcement, and Gendered Expectations. Yasmine Shawwaf ’17, LEEP Fellow (sponsor: Professor Debra Osnowitz)

Theodore H. Barth Foundation
104. STAND for a Change: My Summer Preventing Genocide. Casey Bush ’19 (in conjunction with Career Services Vickie Cox-Lanyon)

105. AIDS Project Worcester: Prevention and Outreach Education Internship. Eliana Stanislawski ’17 (in conjunction with Career Services Vickie Cox-Lanyon)

106. Children’s International Summer Village — Norway. Emily Thompson ’17, Education Department, LEEP Fellow (sponsor: Career Services Vickie Cox-Lanyon)

Urban Development and Social Change (UDSC)
107. Are Worcester Employers Ready for TMA Services? Devin Clarke ’17, Lois and Robert Green Internship (sponsor: Professor Deb Martin)

STUDENT DISTINCTIONS

HONOR SOCIETIES

2016-2017 Members of Fiat Lux
Yousra Benchekroun
Corey Bernstein
Yaffa Fain
Christian Farren
Madilyn Jacobsen
Digby Kalert
Molly Kellman
Hannah Levy
Savannah MacLean
Sarah Maloney
Aaron Meyer
James Patin
Courtney Pharr
Celia Ringland
Emilie Smiley
Yonatan Sternberg
Megan Tighe
Ariel Vaughan

2016-2017 Members of Gryphon and Pleiades
Sarah Davidow
Themal Ellawala
Camille Anne Ferreol
Kara Fischer
Alicja Gancarz
Will Heikes
John Hite
Jacob Kahn
Julianne Murphy
Courtney Pharr
Emma Sonberg
Michael Spanos
Matthew Sullivan

Phi Beta Kappa Prize
Brendan Burgess

UNIVERSITY AWARDS

Thomas M. Dolan ’62
Outstanding Service Award
Corey Bernstein
Chiara White-Mink
The Marshall Geer McKim Memorial Fund
Anthony Jrejie
Alexis Richards

The Thomas Wisniewski Undergraduate Award
Tess Reichart

DEPARTMENTAL AWARDS

Biology
M. Margaret Comer Memorial Award for Undergraduate Studies in the Biological Sciences
Sarah Parker

David Potter Prize for Excellence in Biology
Degen Larkin
Precious Oyem
Courtney Pharr
Victoria Whitney

Chemistry and Bio-Chemistry
American Chemical Society Undergraduate Award in Analytical Chemistry
Burhan Ahmed
Chemical Rubber Company Press Freshman Chemistry Achievement Award
Saadman Islam
Yana Zubarev

Organic Chemistry Prize
Madison Garrity
Alistar Richardson

Wen-Yang Wen Award for Excellence in Chemistry
Devon Fontaine

Cultural Studies and Communication
Foundation Course Award
Liza French
Adrienne Kasmally
Melanie Rotax

Outstanding Academic Achievement Award
Kaleigh S. Brunell

Economics
David R. Porter ’35 Prize for Excellence in Economics
Trang Thuy Nguyen

The Roger Van Tassel Book Prize
Madeleine Buchman

Geography
Strabo Award
Yaffa Fain
Daniela Reyes Saade

History
H. Donaldson Jordan Prize
Marissa Natale

Paul Lucas European History Prize
Meghan Paradis

International Development, Community, and Environment
Theodore Von Laue Undergraduate Prize in International Development
Marissa Goldstein

Philosophy
Excellence in Philosophical Studies
Daniel Chivvis
James Patin

Logic Prize in Philosophy
Mitchell Dumke

Physics
Roy S. Andersen ’43 Award
Burhan Ahmed
Ben Philip Osuri

Albert C. Erickson ’30 Academic Award
Logan Bishop-Van Horn

Political Science
Morris H. Cohen Prize
Lauren Meininger
Nina Thacker
Courtney Thomas

Premedical / Predental Program
Dr. Kenneth A. Senter ’43 Award
Claire Krasinski
Courtney Pharr

Visual and Performing Arts
Jason Michael Simpkins
Memorial Endowment for Screen Studies
Hannah Kogut
STUDENT SUMMER RESEARCH AND INTERNSHIP AWARDS

Chandler Bailey Internship in Economics
Turku Hasturk

Theodore H. Barth Foundation
Summer Internship Award
Casey Bush
Daniel Ewald
Eliana Stanislawski
Emily Thompson
Cassidy To
Crystal Tang
Tori Whitney

Lise Anne and Leo E. Beavers II Fellowship
Luke Nourie
Yaa Poku

Arthur and Rochelle Belfer Fund
for Scholars of Holocaust Studies
Spencer Cronin

James ’39 and Ada Bickman
Summer Science Research Internship
Alec Ikei
Vladislav Kiveliyk
Donny Pearson
Maria Solares Bucaro

Sara Bickman Music and Arts
Summer Internship Award
Chloe Anderson
Anais DerSimonian
Grant Henry
Andre Toribio

Albert C. Erickson ’30
Summer Research Award
Muhammad Kasule
Lubaina Selani

Stanley Geschwind Memorial
Summer Internship Award
Camile Bales

Lois M.P.A. ’78 and Robert ’49 Green
UDSC (Urban Development and Social
Change) Summer Internship
Devin Clarke
Madilyn Jacobsen

The Harrington Public Affairs Fellowship
Program for Undergraduates
Sayed Absar Ali
Savannah MacLean
Edward Peluso

HERO (Human-Environment Regional
Observatory) Fellowship
Tyler Anderson
Emma Freud
Savannah Stanford
Eli Simonson
Rishi Singh

Innovation and Entrepreneurship Program
U-Reka Honorees
Mohamed Ali Elmaola
Kristen Truesdale
Lelani Williams

International Studies Stream Summer
Research Award
Claire Bayler

Henry J. Leir Summer Research Scholarship
Emma Berman
Stephanie McGrath
Julianne Murphy

Marsh-Mosakowski NOAA
(National Oceanic and Atmospheric
Administration) National Centers for
Coastal Ocean Science Fellows
Rebecca Hadik
Isabel Miranda
Kristen Sheldon

Maurine H. Milburn
Summer Research Fellowship
Jenna Harrison-Peters
Kayleigh McHugh
Kristen Sheldon
Hui (Alva) Tan

Frederick M. and Alice Murdock Summer
Science Internship
Graham Bell
Jonathan Chellali
PCI Synthesis Chemistry Summer Fellowship
Micheal Kebede

Steinbrecher Fellows
Sophie Debler
Fileona Dkhar
Themal Ellawala
Maya Hodgson-Dottin
Aigail Moon
Meghan Paradis
Fatima Ruiz
Justin Woods