

27TH ANNUAL



APRIL 26, 2017  
12-4:30 P.M.

# Academic SPREE

ACADEMIC COMMONS  
GODDARD LIBRARY  
TILTON HALL  
HIGGINS UNIVERSITY CENTER

day



## Location Cheat Sheet

| Department/Program                              | Posters are in:  | Oral Presentations/Panels are in:                     |
|---|------------------|---|
| Art History                                     | -                | Prouty (Library-4 <sup>th</sup> Floor)                |
| Asian Studies                                   | Academic Commons | -   |
| Biochemistry and Molecular Biology              | Tilton (UC)      | -   |
| Biology   | Tilton (UC)      | -   |
| Chemistry                                       | Tilton (UC)      | Fuller (Library-4 <sup>th</sup> Floor)                |
| Community Youth & Education Studies             | -                | Fuller (Library-4 <sup>th</sup> Floor)                |
| Comparative Literature                          | Academic Commons | -   |
| Computer Science                                | Academic Commons | -   |
| Cultural Studies and Communication              | Academic Commons | Fuller (Library-4 <sup>th</sup> Floor)                |
| Economics                                       | Academic Commons | -   |
| English   | Academic Commons | Lurie (UC)  |
| Environmental Science                           | Tilton (UC)      | -   |
| Geography                                       | Tilton (UC)      | -   |
| German  | -                | Grace (UC)  |
| History   | -                | Grace (UC)  |
| International Development and Social Change     | Tilton (UC)      | Lurie (UC)  |
| Management                                      | Tilton (UC)      | -   |
| Mathematical Biology and Bioinformatics         | Academic Commons | -   |
| Mathematics                                     | Academic Commons | -   |
| Music   | -                | Prouty (Library-4 <sup>th</sup> Floor)                |
| Philosophy                                      | -                | Prouty (Library-4 <sup>th</sup> Floor), Lurie (UC)    |
| Physics   | Academic Commons | -   |
| Political Science                               | Academic Commons | Lurie (UC)  |
| Psychology                                      | Tilton (UC)      | Fuller (Library-4 <sup>th</sup> Floor)                |
| Scholarly Undergraduate Research Journal (SURJ) | -                | Academic Commons                                      |
| Sociology                                       | -                | Grace (UC)  |
| Studio Art                                      | -                | Fuller (Library-4 <sup>th</sup> Floor), Traina Center |
| Visual and Performing Arts                      | -                | Traina Center   |

# Academic Spree Day 2017

## Presentations and Poster Sessions (12:00-4:30 pm)

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## ORAL PRESENTATIONS AND PANELS

### ***Grace Conference Room (University Center-1st Floor)***

#### Sociology Student Research Panel (12:00-2:00pm)

- 12:00-12:30 *Colorism in India: A Woman's Experience from Colonialization to Skin Lightening Cream.* **Rishya Narayanan '17** (Sponsor: Professor Patricia Ewick)
- 12:30-1:00 *The Stigmatic Jewish Nose: Deviance Defined and Reclaimed.* **Iolanthe Brooks '19** (Sponsor: Professor Patricia Ewick)
- 1:00-1:30 *Relationship Between Crime and Presence of a Toxic Facility in American Cities.* **Kate Conquest '17 & Alexandra Jeannotte '17** (Sponsor: Professor Patricia Ewick)
- 1:30-2:00 *Clark University's Invisible Minority: First-Generation College Students.* **Justin Woods '18** (Sponsor: Professor Debra Osnowitz) - Steinbrecher Fellowship Program

#### History Department Honors Theses (2:15-4:30pm)

- 2:15-2:30 *Power Dynamics in Soviet Politics: People's Voices on Afghanistan, 1979-1989.* **Adelaide Petrov-Yoo '17** (Sponsor: Professor Douglas Little)
- 2:30-2:45 *Girls Next Door and Revolutionaries: How Communism Transformed the Roles of Women in the Vietnam War.* **Emily Langley '17** (Sponsor: Professor Douglas Little)
- 2:45-3:00 *Lurking Behind The Shadows: A Study on The Alliance For Progress and US Interventionism in Ecuador During The Kennedy Administration.* **Santiago Jose Herdoiza Ponce '18** (Sponsor: Professor Douglas Little)
- 3:00-3:15 *Women and the Palestinian Nationalist Movement from 1988 to 2006.* **Marisa Natale '17** (Sponsor: Professor Douglas Little)
- 3:15-3:30 *Twentieth-Century American Witchcraft: A Study of the Relationship between Female Empowerment and Contemporary Interpretations of Witchcraft.* **Rachel Christ '17** (Sponsor: Professor Amy Richter)
- 3:30-3:45 *Shifting Paradigms in the Levant: The Six Day War, Israel, and the Forces of Change in the Middle East, 1967-1973.* **Patrick Fox '17** (Sponsor: Professor Douglas Little)
- 3:45-4:00 *Remembering the Mongol Empire.* **Sam Korstvedt '17** (Sponsor: Professor Wim Klooster & Professor Lex Jing Lu)
- 4:00-4:15 *Washed Ashore: Black American Whalemens at Home and Abroad.* **Devin Melle '17** (Sponsor: Professor Drew McCoy)

(continued)

4:15-4:30 *Writing Under Watch: German-Jewish Women Writers and 1920s Women's Magazines. Also associated with German. Meghan Paradis '17* (Sponsor: Professor Nina Kushner) - Steinbrecher Fellowship Program

### ***Lurie Conference Room (University Center-1<sup>st</sup> Floor)***

#### Student Research in Political Science (12:00-1:20pm)

- 12:00-12:20 *LGBT Migration and Politics in Latin America. Edward Peluso '17* (Sponsor: Professor Paul Posner)
- 12:20-12:40 *The Turban for the Crown. Khaled Khalifa '17* (Sponsor: Professor Ora Szekely) - Harrington Fellowship
- 12:40-1:00 *From Trials and Truth to Amnesty and Amnesia: Transitional Justice in Argentina and Spain. Kate Alexander '17* (Sponsor: Professor Michael Butler)
- 1:00-1:20 *Healthcare Access in Cusco, Peru: The Urban/Rural Divide. Lauren Meininger '17* (Sponsor: Professor Silber Mohamed)

#### International Development (1:45-2:45pm)

- 1:45-2:15 *Re-Imagining the Labor Movement as a Social Movement. James Patin '17* (Sponsor: Professor Jude Fernando)
- 2:15-2:45 *VIZIBILIARNOS: voices of Black femininity in Managua. Sadie Levy '18* (Sponsor: Professor David Bell)

#### English (3:00-3:30pm)

- 3:00-3:30 *"The Ladies Room": An Experiment in Science Fiction. Emily Denny '17* (Sponsor: Professor James Elliott)

#### Philosophy (3:45-4:15)

- 3:45-4:15 *On the Incompatibility of Kant and Capitalism. James Patin '17* (Sponsor: Wes DeMarco, Senior Lecturer)

## ***Prouty Conference Room (Goddard Library-4<sup>th</sup> Floor)***

### Honors Research in Art History (1:30pm-2:30pm)

- 1:30-1:50 *Renaissance Humanism and the Nuremberg Chronicle of 1493. Also associated with English. Gabrielle Belisle '17* (Sponsor: Professor Meredith Neuman & Professor John Garton)
- 1:50-2:10 *Primitivist Nostalgia and Post-War Solitude: The Emotionalism of Ernst Ludwig Kirchner's 1924 Umbra Vitae Woodcuts. Abby Moon '17* (Sponsor: Professor Kristina Wilson) - Steinbrecher Fellowship Program
- 2:10-2:30 *The Triumph of Jean-Michel Basquiat; the Black Self in Conflict with Modernity. Jeremy Doss '17* (Sponsor: Kristina Wilson)

### Music & Philosophy: The Ethics and Aesthetics of the Sublime (2:45-4:05pm)

- 2:45-3:05 *Beyond Swing, Beyond Standards: The Rise of Sublime Aesthetics in Modern Jazz. Music. Matthew Alvarado-Ross '17* (Sponsor: Professor Benjamin Korstvedt & Professor Wiebke Deimling)
- 3:05-3:25 *The Messianic Sublime: How Personally Held Beliefs Inform Sublime Experiences of Christ. Philosophy. Corey Patterson '17* (Sponsor: Professor Benjamin Korstvedt & Professor Wiebke Deimling)
- 3:25-3:45 *The Divine and Infinite: Exploring the Sublime in Religious Philosophy. Philosophy. Lauren Krause '17* (Sponsor: Professor Benjamin Korstvedt & Professor Wiebke Deimling)
- 3:45-4:05 *The Sublimity of Bon Iver's "22, A Million." Music. Olivia Schwartz '19* (Sponsor: Professor Benjamin Korstvedt & Professor Wiebke Deimling)

## ***Fuller Conference Room (Goddard Library-4<sup>th</sup> Floor)***

### Psychology (12:00-1:10pm)

- 12-12:20pm *365 Lies, Lives, and Loves: Gender and sexual plurality in Sri Lanka. Themal Ellawala '17* (Sponsor: Professor Abbie Goldberg) - Steinbrecher Fellowship Program
- 12:25-12:40 *Understanding and Addressing Arab-American Mental Health Disparities. Sherief Eldeeb '18* (in collaboration with Professor Esteban Cardemil; Sponsor: Professor Nicole Overstreet)
- 12:45-1:10 *Is That Ok? Exploring Young Adolescents Beliefs about Violence and Romantic Relationships. Fatima Zavala Ruiz '17* (Sponsor: Professor Andrew Stewart) - LEEP Project, Steinbrecher Fellowship Program

### Chemistry (1:45-2:15pm)

1:45-2:15      *Synthesis of an Amyloid-Binding Small Molecule.* **Devon Fontaine '17** (in collaboration with Valerie Ivancic, graduate student; Sponsor: Professor Charles Jakobsche)

### Studio Art (2:30-3:00pm)

2:30-3:00      *Portraiture and the Complexities of Nationality.* **Isabel Miranda '17** (Sponsor: Professor Toby Sission)

### Community Youth and Education Studies (3:15-3:45pm)

3:15-3:45      *Whose got the Mic?: Negotiating voice in youth work.* **Jacob Folsom '17** (in collaboration with Laurie Ross, HOPE Coalition; Sponsor: Professor Eric Demeulenaere) - LEEP Project

### Cultural Studies & Communication (4:00-4:20pm)

4:00-4:20pm      *Translating poetry in an after-school program: a case for a pedagogy of multiliteracies.* **Kefiana Wairimu wa Kabati '17** (Sponsor: Professor Sarah Michaels & Professor Eric Demeulenaere)

## POSTER SESSIONS

### ***Tilton Hall (University Center-2<sup>nd</sup> floor)***

#### Biochemistry & Molecular Biology

1.      *Biochemistry and Mechanism of HECT E3 Ubiquitin Ligase HUWE1.* **Noor Alzuhairy '17** (Sponsor: Professor Donald Spratt) - LEEP Project
2.      *Characterization of the HECT E3 Ubiquitin Ligase HECTD1.* **Vladislav Kiveliyk '17** (Sponsor: Professor Donald Spratt)
3.      *Biochemical Characterization of HERC2, a HECT E3 Ligase Implicated in Breast Cancer and Prader-Willi Syndrome.* **Noah Schwaegerle '17** (Sponsor: Professor Donald Spratt)



4. *Helix-Dipole Effects on Amyloid Formation in the Presence of Model Membranes. Senegal Carty '17* (in collaboration with Qiuchen Zheng, graduate student; Sponsor: Professor Noel Lazo).
5. *Biochemical Characterization of TRIP12, a HECT E3 Ubiquitin Ligase Linked to Autism Spectrum Disorder. Alexandra Brown '17* (Sponsor: Professor Donald Spratt)
6. *Investigation of the Nucleolar Localization of DdSrc1 in Dictyostelium discoideum. Siu Ting Lam '17 & Hector Bucaro '19* (in collaboration with Elizabeth Nelson, graduate student; Sponsor: Professor Denis Larochelle)
7. *Biochemistry and Mechanism of HACE1. Janel Gardner '17* (in collaboration with Yaya Wang & Steven Beasley, graduate students; Sponsor: Professor Donald Spratt)
8. *HECT E3 Ubiquitin Ligase WWP1: a major player in cellular signaling pathways and diseases. Emilie Ogisu '17* (Sponsor: Professor Donald Spratt)
9. *DNA methylation in honey bees. Nusrat Islam '17* (Sponsor: Professor Robert Drewell)
10. *Fluorescently labeled non-viral DNA delivery Vector. Alva Tan '17 & Sharon Chieng '17* (Sponsor: Professor Sergio Granados-Focil)
11. *HECTD3 E3: A Ubiquitin Ligase Associated With Breast Cancer. Andres Torres '17* (Sponsor: Professor Donald Spratt)
12. *Structure-based identification of C-terminal Binding Protein inhibitors from the Zinc-database compound library. Antony Gruness '17* (in collaboration with UMass Medical School; Sponsor: Professor David Thurlow)
13. *Characterization of AREL1 to understand apoptosis resistance in cancer cells. Pinky Htun '17* (Sponsor: Professor Donald Spratt)
14. *Biochemical Characterization of HECT E3-Ubiquitin Ligase Itch and its Implications in Cancer. Roela Bardhi '17* (Sponsor: Professor Donald Spratt)
15. *DNA Methylation in Dictyostelium discoideum. Precious Oyem '17* (in collaboration with James St. Denis, graduate student; Sponsor: Professor Denis Larochelle)
16. *Identification of a Cis-Regulatory Module that Regulates the Gene twin of eyeless in Drosophila melanogaster. Luke Nourie '17* (Sponsor: Professor Robert Drewell)
17. *Studies to Better Understand the Structure and Mechanism of Smurf1, a HECT E3 Ubiquitin Ligase. Lara Prosterman '17* (Sponsor: Professor Donald Spratt)

## Biology

18. *The Analysis of Lupus medications, life impact, and the drug Benlysta.* **Maria Mongiardo '17** (in collaboration with LupusChick; Sponsor: Professor Justin Thackeray) - LEEP Project
19. *Biophysical analysis of FTZ-DNA binding site affinity.* **Rachel Orlomski '17** (Sponsor: Professor Robert Drewell, Professor Donald Spratt, Professor Jacqueline Dresch)
20. *Development of complement factor H based immunotherapeutic molecules against multidrug-resistant Neisseria gonorrhoeae.* **Isaac Bass '17** (in collaboration with UMass Medical School; Sponsor: Professor John Baker; Dr. Jutamas Shaughnessy) - LEEP Project
21. *Test of the functional basis of ecological divergence in threespine stickleback: unexpressed plasticity as a source for phenotypic variation.* **Sophie Debler '17 & Rose Watts '17** (Sponsor: Professor Susan Foster) - Steinbrecher Fellowship & SURE Research Program
22. *How substrate particle size affects locomotion: Burrowing performance and kinematics of Brachymeles kadwa.* **Rhys Duquette '17, Jenna Lally '20, Laura Moran '17, & Patrick Robinson '18** (Sponsor: Professor Philip Bergmann)
23. *How does body shape variation in Brachymeles lizards affect their burrowing performance and kinematics?* **Katie Greger '17, Lauren Liderman '19, & Bernny Ramirez '18** (Sponsor: Professor Philip Bergmann)
24. *The effects of substrate particle size on running and burrowing in the lizard, Brachymeles boulengeri.* **Yoni Hazan '18, Sara Mann '19, & Ethan Winslow '17** (Sponsor: Professor Philip Bergmann)
25. *Effects of lizard body shape on running performance and kinematics.* **Kristen Glennie '18, Tyler Hutchinson '17, & Tess Lewin-Jacus '17** (Sponsor: Professor Philip Bergmann)
26. *The Genome Sequence of the Ethanol Producing Bacterium Zymomonas mobilis NRRL B-1960. Also associated with Mathematical Biology & Bioinformatics.* **Alexandra Chirino '17, Meghan Davis '17, Sophie Debler '17** (Steinbrecher Fellowship Program), **Wynn Haimer '17, & Justin Wilbur '17** (in collaboration with Katherine Chacon-Vargas, Xiaoli Mo, & Baxter Worthing, graduate students, & Oxford Nanopore Technologies MinION Access Programme (MAP); Sponsor: Professor John Gibbons)
27. *Cannabinoid Impact on the Brain: Exploring Neural Substrates.* **Jenna Libera '18** (in collaboration with UMass Medical School; Sponsor: Professor Guillaume Poirier & Professor Jean King)
28. *Localization and interaction of Rad4WT mutants in dictyostelium.* **Tram-anh Nguyen '17** (Sponsor: Professor Denis Larochelle)

29. *Sea-level modulated glacial-age refugia and post-glacial colonization pattern of oceanic threespine stickleback in British Columbia, Canada: an ecological model for coastal paleohabitat reconstruction.* **Anela Layugan '17, Meyru Bhanti '18, & Meredith Houghton '18** (Sponsor: Professor Richard King)
30. *Biogeography of stickleback populations on Vancouver Island, Canada: population colonization patterns, phenotypic divergence in shape.* **Rose Watts '17, Samuel Most '18, & Shanelle Jones '17** (Sponsor: Professor Richard King)
31. *Asymmetrical gene flow, founder effect, and selection on lateral plate morphs across the marine/freshwater gradient in threespine stickleback.* **Jingzhu Hao '17, Hannah Bode '18, Meghan Davis '18, & Tyler Hutchinson '17** (Sponsor: Professor Richard King)

### Chemistry

32. *Preparation of  $[L_nCuX_2]$  ( $L = 3\text{-cyanopyridine, 2-amino-3-cyanopyridine, 2-amino-5-cyanopyridine}$ ;  $n = 1,2$ ;  $X = Cl, Br$ ) via Mechanochemical Synthesis.* **Jonathan Chellali '18** (in collaboration with Penelope Farris & Christopher P. Landee; Sponsor: Professor Mark Turnbull)
33. *Synthesis, Structure, and Magnetic Behavior of Nickel (II) and Cobalt (II) Halide Complexes of Isoquinoline.* **Micheal Kebede '18** (Sponsor: Professor Mark Turnbull)
34. *Solvent Coordinated Compounds of the Family  $L_2CuX_2$ , where  $L = 2\text{-chloro-3-fluoropyridine}$  and  $X=Cl,Br$ .* **Robert DuBois '17** (Sponsor: Professor Mark Turnbull)

### Environmental Science

35. *Effects of Low Dissolved Oxygen on Zooplankton Species Richness, Abundance and Diversity in the Bocas del Toro Archipelago.* **Charlotte Gray '18** (in collaboration with School for Field Studies; Sponsor: Professor John Baker)
36. *Katahdin Woods & Waters National Monument Stirs National Controversy.* **Sarah Maloney '17** (in collaboration with Teresa Bornschlegl; Sponsor: Professor John Baker)
37. *The Timing of Change-Points in Arctic Sea Ice Concentrations at Different Spatial Scales and Locations.* **Anela Layugan '17** (Sponsor: Professor Karen Frey)

### Geography

38. *Creating Social and Environmental Uplift: Examining the Feasibility and Effects of Renewable Energies for Affordable Housing in Worcester, MA.* **Gabriel Epstein '17** (Sponsor: Mark Davidson)

39. *GIS Validation for Projects to Reduce Emissions due to Deforestation and Forest Degradation (REDD)*. **David O'Brien '17** (Sponsor: Professor Robert Gil Pontius)
40. *Time Series Analysis of Global and Biome Specific Trends in Vegetation Productivity using AVHRR NDVI-3g data from 1982-2015*. **Tom Smith '17** (Sponsor: Professor Ron Eastman)
41. *A Temporal and Spatial Analysis of Dengue, Chikungunya and Zika Viruses in El Salvador*. **Daniela Reyes Saade '17** (Sponsor: Professor Florencia Sangermano)
42. *Evaluating Land Use Versus Zoning in Worcester, MA and Accessibility of Public Transport to Nonconforming Areas. Also associated with GIS*. **Shirin Esmaeili '17** (Sponsor: Professor Deborah Martin)
43. *The Impact of Public Transportation on Youth in Worcester, MA*. **Madilyn Jacobsen '17** (in collaboration with Laurie Ross; Sponsor: Professor Deborah Martin)
44. *Media Underreporting and Disasters: A GIS analysis of traditional and social media response to the 2016 Louisiana Flooding disaster*. **Will Heikes '17** (Sponsor: Professor Yuko Aoyama)
45. *Examining the Effects of Extractive Industries and Infrastructure Projects on Deforestation in Mexico. Also associated with IDSC*. **John Hite '17** (in collaboration with Anam Khan, graduate student; Sponsor: Professor Denise Humphreys Bebbington)
46. *From Green Revolution to Organic Revolution: Economic Inequality in Thailand and Resistance in Surin*. **Charis Smuthkochorn '17** (Sponsor: Professor Yuko Aoyama)
47. *Mapping Overlap Between Extractive Industries, Agriculture and Indigenous Communities: A Case Study of the San Andres Mine in Copán, Honduras*. **Saira Khan '17** (in collaboration with Oxfam America; Sponsor: Professor John Rogan, Professor Anthony Bebbington)

#### HERO (Human-Environment Regional Observatory)

48. *Mapping Juvenile Tree Vulnerability to Environmental Phenomena with Climate Change in Worcester, MA*. **Savannah Sanford '17** (Sponsor: Professor John Rogan)
49. *Using a Planting Priority Index to select optimal locations for tree planting in Worcester, Massachusetts*. **Eli Simonson '17** (in collaboration with Arthur Elmes, graduate student; Sponsor: Professor John Rogan & Professor Deborah Martin)
50. *Conceptualizing Social Ecological Solutions to Environmental Injustice: A Case Study of Worcester's Urban Forest*. **Emma Freud '17** (Sponsor: Professor Deborah Martin)

51. *Modeling Ecosystem Services of Juvenile Trees Within Worcester, MA ALB Regulated Area Using i-Tree Eco.* **Rishi Singh '17** (Sponsor: Professor John Rogan & Professor Deb Martin)

#### International Development & Social Change

52. *Understanding "Economic Empowerment" in U.S. Resettlement Policy.* **Ashly Brun '17** (Sponsor: Professor Anita Fabos)
53. *Barriers to Mental Health Workforce Development in Worcester.* **Joshan Niroula '17** (in collaboration with Worcester Division of Public Health; Sponsor: Professor Laurie Ross)

#### Management

54. *Sustainability Through Higher Education: U.S. Best Practices and Recommendations for Bulgaria.* **Kathy Bui '17** (Sponsor: Professor Will O'Brien)

#### Psychology

55. *The Relationship Between Attitudes of Mental Health Help-Seeking and Usage of Chinese and Western Psychiatric Treatment.* **Man Jing Sun '19, Emily He, Raphael Ellis '17, & Michelle Yun '18** (in collaboration with Emily He, graduate student; Sponsor: Professor Esteban Cardemil)
56. *Mommy and Mama, Daddy and Papa: Parent Naming in Same-Sex Adoptive Families.* **Emma Frank '17** (in collaboration with Melissa Manley, graduate student; Sponsor: Professor Abbie Goldberg)
57. *The Effect of Anticipated Stigma on Psychological Well-Being Among Sexual Assault Survivors Across Three Different College Campuses.* **Emily Art '17** (in collaboration with Professor Stephenie Chaudoir, Holy Cross; Sponsor: Professor Nicole Overstreet)
58. *The Effect of Inpatient Therapeutic Alliance on Aftercare Engagement.* **Corey Bernstein '17** (in collaboration with Kristen Keefe, graduate student; Sponsor: Professor Esteban Cardemil)
59. *Body shame and sexual agency: Factors associated with consensual sex.* **Rishya Narayanan '17** (Sponsor: Professor Nicole Overstreet)
60. *'I kind of don't know, but I kind of do know': Children's understanding of adoption.* **Alyssa Adams '17** (in collaboration with Katie Black; Sponsor: Professor Abbie Goldberg)
61. *A Student-Led Proposal for Ongoing, Undergraduate Sexual Violence Prevention Programming.* **Melanie Rocco '17 & Leah Simonson '17** (Sponsor: Professor Denise Hines)

62. *Stigma and Perceptions of Western Psychiatric Treatment and Chinese Traditional Medicine.* **Michelle Yun '18, Raphael Ellis '17, Man Jing (Chastity) Sun '18, Emily He** (in collaboration with Emily He, graduate student; Sponsor: Professor Esteban Cardemil)
63. *Religious Perceptions of Mental Health Challenges and the Implications on Treatment Seeking and Satisfaction.* **Carly Branconnier '17** (in collaboration with Kristen Keefe, graduate student; Sponsor: Professor Esteban Cardemil)
64. *How the Advocacy of Secrecy in the Face of Clinical High-Risk for Psychosis in Chinese and Taiwanese Populations Changes Depending on the Perception of Severity of the Condition.* **Raphael Ellis '17, Michelle Yun '17, Man Jing Sun '18, & Emily He** (in collaboration with Emily He, graduate student; Sponsor: Professor Esteban Cardemil)
65. *Learning About The Body From The Media: What's The Use?* **Lila Sorenson '20** (Sponsor: Professor Theresa Jackson)
66. *Global Victim Beliefs and the Armenian Genocide.* **Rachel Gaufberg '17** (Sponsor: Professor Johanna Vollhardt)
67. *Do Informant Discrepancies in Child Anxiety Symptoms Predict Treatment Engagement?* **Emelie Graebner '18** (in collaboration with UMass Hospital & Madeline Levitt, graduate student; Sponsor: Professor Jacquelyn Raftery Helmer)
68. *Collective victim beliefs - A content-analytic study.* **Nidhi Thaker '17** (Sponsor: Professor Johanna Vollhardt)
69. *The Effects of Socioeconomic Status on Children's Academic Coping: The Mediating Role of Perceived Control.* **Evan Hanson '17** (in collaboration with Alessandra Caruso & Madeline Levitt, graduate students; Sponsor: Professor Wendy Grolnick)
70. *Parental Disapproval and Perceived Drinking Norms on Personal Drinking Behavior.* **Beatriz Yepes '17** (Sponsor: Professor Kathleen Palm Reed)
71. *Cormorbidity of alcoholism and depression in relation to social support network.* **Marielle Joseph '17** (Sponsor: Professor Kathleen Palm Reed)
72. *Parental Provision of Autonomy Support for Anxious Children.* **Jacqueline Jimenez-Maldonado '18** (in collaboration with UMass; Sponsor: Professor Jacquelyn Raftery-Helmer)
73. *How Difficult is Spelling in English? Spelling Acquisition by ELLs from Low SES.* **Fin Mooney '19, Samantha Ortega '19, & Kaitlyn Kiernan '17** (Sponsor: Professor Elena Zaretsky)
74. *Love at The First Rose: The Gender-Biased Narrative of Love in The Bachelor and The Bachelorette.* **Amelia Mohr '17** (Sponsor: Professor Michael Bamberg)
75. *Social Competence at School.* **Jazelle Pilato '19** (Sponsor: Professor Ana Kamille Marcelo)

76. *Correlates of Suicide Behavior in Adolescent: Exploring the Moderating Roles of Environment and Social Support.* **Magdalene Kwakye '18** (Sponsor: Professor Nicole Overstreet)
77. *Interparental Conflict and Child Social Outcomes.* **Khali Maden '17** (in collaboration with Justin Laplante, graduate student; Sponsor: Professor James Cordova)
78. *Hire and Higher: Autism and Employment.* **Jenny Vernick '18, Haley Connors '17, Jessica Musto '17, Zoe Fishman '17, Lorena Chelaru '18, & Eliza Meltzer '19** (Sponsor: Professor Elena Zaretsky)
79. *Not Just a Love Story: Non-Romantic Relationships in Pride and Prejudice Adaptations. Also associated with Interdisciplinary Studies.* **Mary Iorio '17** (Sponsor: Professor Michael Bamberg)
80. *Vocabulary Learning by ELLs: What Works?* **Dominique St. Pierre '18, Gwyneth Ivory '17, Marie Bruillette '18, Kassidy Benzing-Plourde '18, & Odile Scherrer '18** (Sponsor: Professor Elena Zaretsky)
81. *Gendered Racism and Anxiety Among Black Women: Does it Depend on Shifting?* **Caitland Baxter '18** (in collaboration with Tamara Nelson, graduate student; Sponsor: Professor Esteban Cardemil)
82. *Investigating the Role of Contingent Self-Worth as a Mediator in the Transmission of Self-Esteem from Mothers to Children.* **Jenna Libera '18** (Sponsor: Professor Wendy Grolnick)
83. *Self-Medication or Comorbidity: The Relationship Between Women's Trauma and Substance Abuse Disorders.* **Kelly Wims '17** (Sponsor: Professor Kathleen Palm Reed)
84. *The Influence of Family History with Alcohol on College Students' Alcohol Consumption.* **Jordan Ramsey '17** (Sponsor: Professor Kathy Palm Reed)
85. *Goals and aspirations: First and Second Generation Emerging Adults Compared to US Emerging Adults.* **Andrew Myhre '17** (in collaboration with Deeya Mitra, graduate student; Sponsor: Professor Jeffrey Arnett)
86. *The Effects of Socioeconomic Status and Structure Provision on Academic Motivation and Performance in Children.* **Madeline Carleton '17** (in collaboration with Madeline Levitt & Alessandra Caruso, graduate students; Sponsor: Professor Wendy Grolnick)
87. *Is the American school system providing adequate substance education to high school students?* **Amanda Duqueno '17** (Sponsor: Professor Kathleen Palm Reed)
88. *ADHD and Polysubstance Abuse in a College Sample.* **Owen Tracey '17** (Sponsor: Professor Kathy Palm Reed).

## ***Academic Commons (Goddard Library - 1<sup>st</sup> floor)***

### Asian Studies

89. *Depictions of World War II in Japanese Popular Culture*. **Samuel Katz '17** (Sponsor: Professor Alice Valentine)
90. *"Gay" in Japan*. **Sam Spinner '17** (Sponsor: Professor Alice Valentine)

### Comparative Literature

91. *Mann to Mann; The Aesthetics of Sexuality in Thomas and Klaus's Fiction*. **Aviv Hilbig-Bokaer '17** (Sponsor: Professor Robert Tobin)

### Computer Science

92. *Rethinking Fitts' Law to Predict Intended Target in Pointing Interfaces*. **Mishel Sikder '18** (Sponsor: Professor John Magee) - LEEP Project
93. *Camera Mouse Link Access Enhancement - Pop-up Menu Approach*. **Teodor Nicola '19 & Jake Ah Heng '19** (Sponsor: Professor John Magee)
94. *Camera Canvas: Photo Editing and Sharing App for People with Disability*. **Trung Ngo '18** (in collaboration with Chris Kwan, Boston University; Sponsor: Professor John Magee) - LEEP Project

### Cultural Studies & Communication

95. *IdentifyU - Poetry Inside Out*. **Also associated with Education. Margaret Foster '18, Savannah MacLean '17, & Celia Ringland '17** (in collaboration with Claremont Academy; Sponsor: Professor Sarah Michaels) - LEEP Project

### Economics

96. *Effects of Poor Air Quality on the Educational Outcomes of Students in Mexico City*. **Santiago Deambrosi '17** (Sponsor: Professor Magda Tsaneva)
97. *Spatial-Econometric Relationship between Urbanization and Economic Development in Mongolia*. **Oyut Amarjargal '17** (Sponsor: Professor Wayne Gray) - Steinbrecher Fellowship Program
98. *The Effect of Land Grant Universities on Agglomeration*. **Savannah Donohue '17** (Sponsor: Professor Wayne Gray)
99. *Exploring the Determinants of Performing Arts Attendance in the United States*. **Mickayla Aboujaoude '17** (Sponsor: Professor Jacqueline Geoghegan)
100. *Impact of Skills on Employment and Wages*. **Mariam Iashagashvili '17** (Sponsor: Professor Magda Tsaneva)



101. *The Impact of Swings in Oil Price on Economic Growth for Oil-Exporting Countries (1970-2015)*. **Chinedum Nwaogwugwu '17** (Sponsor: Professor David Cuberes)
102. *Welcome to the Big Leagues: What do Teams Look for in NBA Prospects?* **Ethan Giles '17** (Sponsor: Professor Sang Hoo Bae)
103. *Party Lines to Investor Dimes: Presidential Elections and Stock Market Reactions*. **Matthew Sullivan '17** (Sponsor: Professor Junfu Zhang)
104. *The Impact of Education in Women's Bargaining Power in Turkey*. **Turku Hasturk '17** (Sponsor: Professor Magda Tsaneva)
105. *Education and job mismatch in Vietnam's labor market*. **Trang Nguyen '17** (Sponsor: Professor Magda Tsaneva)

### English

106. *I Don't Quite Follow... : An Analysis of Problematic Academic Linguistics*. **Sarah Wells '17** (Sponsor: Professor James Elliott)
107. *"The Ladies Room": An Experiment in Science Fiction*. **Emily Denny '17** (Sponsor: Professor James Elliott)
108. *Articulating the Inarticulable: Literary Representations of Trauma Across Four Novels*. **Madeline Phillips '17** (Sponsor: Professor James Elliott & Professor Robert Tobin)
109. Prentiss Cheney Hoyt Poetry Contest (Sponsor: Professor Lisa Kasmer)
  - 1<sup>st</sup> Place: **Cassidy To '17** for "I Am"
  - 2<sup>nd</sup> Place: **Maria Connors '20** for "Tidal Eyes"
  - 3<sup>rd</sup> Place: **Jessica Hoops '18** for "Revelation"
  - 3<sup>rd</sup> Place: **Genevieve Mahoney '17** for "The Cat Called Kitty"
110. Betty'79 & Stanley Sultan Short Story Contest (Sponsor: Professor Lisa Kasmer)
  - 1<sup>st</sup> Place: **Chukwuma Egbuzie '19** for "9DIGITS"
  - 2<sup>nd</sup> Place: **Rachel Lloyd '20** for "Click!"
  - 3<sup>rd</sup> Place: **Davina Tomlin '20** for "Cassandra"
111. Loring Holmes & Ruth Dodd Drama Contest (Sponsor: Professor Lisa Kasmer)
  - 1<sup>st</sup> Place: **Laura Baker '17** for "2016"
  - 2<sup>nd</sup> Place: **Toni Armstrong '19** for "Forgetting Lee Grant"
  - 3<sup>rd</sup> Place: **Chloe Anderson '17** for "Hangover"
  - 3<sup>rd</sup> Place: **Emily Denny '17** for "The Filthy People"
112. Leroy Allston Ames Essay Contest (Sponsor: Professor Lisa Kasmer)
  - 1<sup>st</sup> Place: **Nadia Friedler '17** for "Sympathy, Imagination, Sight: Trauma and Othering within Mary Shelley's *Frankenstein*"
  - 2<sup>nd</sup> Place: **Logan Manchester '19** for "The 'Other' on the Island and in the Attic"

### Mathematical Biology & Bioinformatics

113. *Image Processing - Gene Expression in Drosophila Melanogaster Embryos*. **Teodor Nicola-Antoni** '19 (Sponsor: Professor Jacqueline Dresch)

### Mathematics

114. *An Evolved Evolutionary Algorithm*. **Michael Gaiewski** '18 (Sponsor: Professor Jacqueline Dresch & The Sherman Fairchild 2016 Summer Scholars Program)

### Physics

115. *Studying the Surface Properties of Cuprous Oxide using STM*. **Lubaina Selani** '17 (Sponsor: Professor Michael Boyer)
116. *Troubleshooting the Small Radio Telescope*. **Max Newman** '17 (Sponsor: Professor Charles C. Agosta)
117. *Charge Density Wave States and Lattice Strain in TbTe<sub>3</sub>*. **Matthew Alvarado-Ross** '17 (in collaboration with Ling Fu, graduate student; Sponsor: Professor Michael Boyer)
118. *Investigating Cuprous Oxide Nanocube Self-Assembly by Fluid Flow Mechanisms and Scanning Electron Microscopy*. **Donny Pearson** '17 (Sponsor: Professor Michael Boyer)
119. *The Bistro USB Solar Charging System*. **Yoni Hazan** '18 (Sponsor: Professor Charles Agosta)

### Political Science

120. *U.S. Foreign Policy in Crisis: Lessons from the Syrian Civil War Simulation*. **Zena Wolf** '17 (5<sup>th</sup> year, MPA), **Ellie Gilmore** '17, **Chyna Dixon** '17 (5<sup>th</sup> year, ES&P), **Joseph Bell** '19, **Camilo Botero-Alzate** '17, **Brendan Burgess** '18, **Padmini Dey** '19, & **Juliet Michaelsen** '19 (in collaboration with the Francis A. Harrington Public Affairs Fund; Sponsor: Professor Michael Butler)
121. *NAFSA: Advocacy Day 2017*. **Mya Juliet Kyaw** '19 & **Galal Al-Meslemi** '19 (in collaboration with Emmanuel Aghado, graduate student; Sponsor: International Student & Scholar Office)

## OTHER EVENTS AND DISPLAYS

### *Academic Commons*

#### Scholarly Undergraduate Research Journal (SURJ)

The editors and staff of SURJ are proud to announce the publication of its third volume! SURJ is Clark's interdisciplinary undergraduate research journal. We are pleased to provide a forum for student researchers as well as those interested in the peer review and publishing process. Since its inception, SURJ has flourished with the help of over one hundred undergraduate and graduate students as well as professors from nearly every department across Clark. There are a limited number of free printed copies being distributed for those interested in reading the impactful contributions Clark students made to their respective fields this past year.

## OTHER EVENTS AND DISPLAYS

### *Traina Center for the Arts*

#### Studio Art/Visual and Performing Arts (4:00 - 6:00 pm)

**STUDIO ART SENIOR THESIS EXHIBITION: "Nothing. In Common."** (Sponsor: Professor Elli Crocker)

Schiltkamp Gallery, 92 Downing Street

Opening Reception: 4:00-5:30pm, Today, April 26, 2017

This exhibition in the Schiltkamp Gallery and Melville Lobby, Traina Center for the Arts, showcases the work of six Studio Art majors who have undertaken thesis projects that vary in media, concept, and display. The student artists are: **Fileona Dkhar '17 (Steinbrecher Fellowship Program)**, **Katie Greger '17**, **Grant Henry '17**, **Andrea Schuster '17**, **Andre Toribio '17**, and **Amy Yeager '17**.

### **Academic Spree Day 2017**

**Sponsored by the Office of the Dean of the College**

**Faculty Coordinator:** Professor James V. Córdoba, Department of Psychology

**Staff Coordinators:** Kaitlin Black & Kelly Boulay, Department of Psychology