TILTON HALL
Posters 12:30 - 4:30

**Biology**

1. Does experience with a sweetener change taste sensitivity for MSG? A test of the modulatory function of the taste receptor subunit T1R3. Alicia Barlow ’10, Lauren Botteron ’10, Bennett Collins ’10, Kyle Denton ’10, Tara Devaraj ’10, Meghan Fearon ’10, Lisa Kennedy ’10, Alyssa Longendyke ’10, Garrett McAdam ’10, Maureen Mercier ’10, Jenelle Quill ’10, Darren Rothberg ’10, Samuel Sparks ’10, & Katheryn Thompson ’09 (in collaboration with Allison Whalen and Mary O’Sullivan, undergraduate students; sponsor: Prof. L. M. Kennedy)

2. Effects of a ‘weekend dose’ of ecstasy: brain fMRI, behavior, neurochemistry. Jessica Shields ’07 (self-designed Neuroscience major; sponsor: Prof. L. M. Kennedy)

3. Experience induced increases in discrimination for the familiar taste of a sugar requires very brief experience and reverses within 22-34 days. Virginia Mike ’07 & Allison Whalen ’07 (in collaboration with Kristina M. Gonzalez, graduate student; sponsor: Prof. L. M. Kennedy)

4. Experience induced taste plasticity: A role for the T1R3 subunit of sweet and umami receptors? Virginia Mike ’07, Preethi Raj ’07, Nic’Cole Lambert ’07, Benjamin Torch ’08, & Matthew Troy-Regier ’08 (in collaboration with Kristina M. Gonzalez, graduate student; sponsor: Prof. L. M. Kennedy)

5. Diurnal oscillations in nitrate reductase transcript abundance in the marine diatom Thalassiosira pseudonana (Bacillariophyceae): Influences of nitrate, light, and the circadian oscillator. Katrina Twing ’07 (in collaboration with Katie Brown, graduate student; sponsor: Prof. D. L. Robertson)


8. The Black Death: A new approach. April Liske-Clark ’07, Brendan Clancy ’07, Katie O’Brien ’07, & Rob Muollo ’08 (sponsor: Prof. T. Livdahl)


**Biochemistry and Molecular Biology**

10. Mutational analysis of Dictyostelium centrin B. Dan Adams ’07 (in collaboration with Sebastian Mana-Capelli, graduate student; sponsor: Prof. D. Larochelle)

**Chemistry**

11. (µ-pyrazine)[Cu(H2O)(2,6-pyradinedicarboxylate)]2 dimer. Alexander Parent ’08 (sponsor: Prof. M. Turnbull)


14. Can 5-chloro-2-aminopyridine be deuterated, and is it magnetically interesting? Josh Albert ’07 (sponsor: Prof. M. Turnbull)
**Economics**

15. Trade liberalization and the gender wage disparity in Sri Lanka. **Jameela Amiruddeen ’07** (sponsor: Prof. M. Bokil)

16. Effects of family and age at immigration on academic performance of children of immigrants. **Ankit Tambe ’07** (sponsor: Prof. M. Bokil)

17. Learning to be global: Trade and productivity in Vietnam’s clothing and textile industries. **Huyen Nguyen ’07** (Steinbrecher Fellow; sponsor: Prof. J. Brown)


19. Analysis of agricultural preservation programs in Maryland. **Samuel Dworkin ’07** (sponsor: Prof. J. Geoghegan)

20. Comparing increasing populations in developing countries demand on timber stocks to industrial countries materialistic consumption demand. **Miles Whitlock ’07** (sponsor: Prof. J. Geoghegan)

21. The economic and environmental effects of organic community supported agriculture. **Asher Cowan ’07** (sponsor: Prof. J. Geoghegan)

22. Oregon’s forests: Reducing high temperature forest fires. **Brian Brown ’07** (sponsor: Prof. J. Geoghegan)

23. Privitization of water in Kenya. **Sarah Assefa ’07** (sponsor: Prof. J. Geoghegan)

**English**


26-27. Beyond the text: Archival research in 19th-century American literary culture. **Kathleen Lied ’07, Peter Murray ’08, Katherine Parr ’07, & Jerry Travers ’09** (sponsor: Prof. M. Neuman)

28. The newspaper project. **Claudia McQuistion ’07** (sponsor: Prof. J. Elliott)

29. Winner of the Loring Holmes & Ruth Dodd Drama Contest for Trapped: **Joshua Kohler ’07; Prentiss Cheney Hoyt Poetry Contest, 1st Place for Jakarta Office Hit by Blast: Claudia McQuistion ’07; 2nd Place for hands light voice: **Catherine Brousseau ’07; 3rd Place for Pantoum for Ana Mendieta: **Rebecca Posner ’07** (sponsor: Prof. V. Vaughan)

30. Betty ’79 and Stanley Sultan Short Story Contest, 1st Place for Time for Timer: **David Pugh ’07; 2nd Place for Bus Station: **Samuel Mattern-Schain ’08; 3rd Place for [Despite Oncoming Frost] Bloom and Influence: **Catherine Brousseau ’07** (sponsor: Prof. V. Vaughan)

**Environmental Science & Policy**


32. Environmental indicator assessment of salt ponds in Key West, Florida. **Annya Djachiachvili ’07** (sponsor: Prof. S. Foster of Biology)

**Geography**

33. Media’s influence on social and spatial stigmatization: A case study of Great Brook Valley housing projects. **Roberto Muollo ’07** (sponsor: Prof. D. Martin)

34. Social justice in the multi-ethnic city: The urban reality for immigrants in Sweden. **Paula**
Kiviranta ’08 (sponsor: Prof. D. Martin)
35. The geography of disability. Niluka Gunawardena ’07 (sponsor: Prof. Y. Aoyama)
36. Mining impacts on the hydrology of Mwanza and Shinyanga Districts, Tanzania. Isaac Tercero ’07 (sponsor: Prof. J. Emel)

GOVERNMENT AND INTERNATIONAL RELATIONS
37. Is humanitarian intervention compatible with the war on terrorism? Lessons from Darfur. Benjamin Katcher ’07 (sponsor: Prof. K. Williams)
38. Simulating European integration: Lessons learned from a model EU simulation. Janie Crocco ’07, Stefan Spassov ’08, & Benjamin Lampron ’09 (sponsor: Prof. M. Butler)
40. A president’s influence on the balance of power: The Supreme Court nomination process from choice to confirmation. Bethany Williard ’07 (sponsor: Prof. B. Cook)
41. Exploring the lure of Kwame Nkrumah’s Ghana on E. Franklin Frazier. Brooks Marmon ’07 (Anton Fellow; sponsor: Prof. B. Grier)

HUMAN-ENVIRONMENT REGIONAL OBSERVATORY (HERO)
42. Suburban drought in Northeastern Massachusetts: A mixed-methods approach to explaining water use in terms of climate, land-use-planning, and lawn irrigation. Dawn Gedenberg ’07 & Nagraj Rao ’08 (sponsor: Prof. C. Polsky)
43. The effects of land development on water use, social integration, and sense of community in Ipswich, Massachusetts. Kate Del Vecchio ’07 (sponsor: Prof. C. Polsky)
44. Detailed mapping of forest type in New England using classification trees. Alina Taus ’08, Paula Kiviranta ’08, & Joe Fortier ’07 (in collaboration with Ryan Frazier, graduate student; sponsor: Prof. J. Rogan)
45. A comparison of machine learning algorithms for land-cover mapping: The effects of classification scheme detail on map accuracy. Joe Fortier ’07 (sponsor: Prof. J. Rogan)

INNOVATION AND ENTREPRENEURSHIP
46. Health food restaurants. Asher Cowan ’07 (in collaboration with Ryan Deans, graduate student; sponsor: Prof. G. Gendron)

INTERNATIONAL DEVELOPMENT, COMMUNITY, AND ENVIRONMENT (IDCE)
47. HIV/AIDS and peer education. Alexis Close ’07 (sponsor: Prof. E. Foley)

MATHEMATICS AND COMPUTER SCIENCE
50. Behavioral intervention in goldfish. Monty Kaplan ’09 (sponsor: Prof. J. Breecher)
51. Cheating the system: Electronic trading. Yeshanth Gunewardena ’07 (sponsor: Prof. J. Breecher)
52. Unleashing dynamic data in 3D and beyond. Peter Stein ’07 (sponsor: Prof. J. Breecher)
53. Music classification through data compression. Jeff Colombo ’07 (sponsor: Prof. F. Green)
54. Mathematical modeling of plasma physics. Christopher Sataline ’07 (sponsor: Prof. N. Sternberg)
55. Collision-free motion planning of closed chains. Ihar Valodzin ’07 (sponsors: Profs. L. Han & L. Rudolph)

Physics
56. Erosion of a granular bed and channelization. Ryan Molloy ’07 (in collaboration with Ashish Orpe, graduate student; sponsor: Prof. A. Kudrolli)
57. Synthesis and analysis of an impure magnetic spin ladder. Christopher Sataline ’07 (sponsor: Prof. C. Landee)
58. Quantum magnetism senior project. Thomas Valleur ’07 (sponsor: Prof. C. Landee)

Psychology
59. Coping, emotional expression, and help-seeking among college males. Anthony Davis ’07 (in collaboration with Sandra Torres, graduate student; sponsor: Prof. E. Cardemil)
60. Predictors of parental involvement: Attributional style and parenting self-efficacy. Angela Dube ’07 (in collaboration with Ellen O’Donnell, graduate student; sponsor: Prof. E. Cardemil)
61. A chart review study of the characteristics of suicide completers following psychiatric inpatient hospitalization. Abbie Townsend ’07 (sponsor: Prof. E. Cardemil)
63. Affect, emotion, and the reasoning self. Molly Wang ’07 (sponsor: Prof. R. Falmagne)
64. Subjectivity and objectivity in reasoning and personal epistemology. Erin Reilly ’08 (sponsor: Prof. R. Falmagne)
65. Contextual uses of trust and belief. Laura Sherman ’08 (sponsor: Prof. R. Falmagne)
66. Thinking in legal contexts: Interplays of formal and social discourses. Genevieve Ballinger ’07 (sponsor: Prof. R. Falmagne)
67. Qualities of electrical taste. Diane Baker ’07 (sponsor: Prof. D. Stevens)
68. Sustainable development: Working from the ground up. Lindsay Green ’10, Fiona Stirling ’10, & Brad Bell ’09 (Peace Studies Program; sponsor: Prof. J. de Rivera)
69. Lesbian prospective adoptive parents’ constructions of their parental roles. Magdalen Toole ’07 (sponsor: Prof. A. Goldberg)
70. Preferences and attitudes toward race in adoptive parenthood. Alexandria Riley ’07 (sponsor: Prof. A. Goldberg)
71. Motivations to parent in lesbian adoptive couples. Amanda Gagnon ’07 (sponsor: Prof. A. Goldberg)
72. Gender-specific responses to individualized fantasies of unfaithfulness. Samantha Trickey ’07 (sponsor: Prof. N. Thompson)
73. Vocal cues of emotion. Matthew Simonson ’07, Matthew Hodge ’07, & Brian Eaton ’07 (in collaboration with Eric Charles, Postdoctoral researcher; sponsor: Prof. N. Thompson)
74. Adult performance on novel verb studies. Kevin Kennedy ’07 & Jason Edgerton ’07 (sponsor: Prof. N. Budwig)
75. Verb development in two- and three-year-old Chinese children: An analysis of frequency and verb type. Dan Dan Wang ’08 (in collaboration with Juan Hu, graduate student; sponsor: Prof. N. Budwig)
76. How comfortable are you with your romantic partner? An investigation of adult attachment theory and public and private displays of affection. Jennifer Lombardi ’07 (sponsor: Prof. J.
77. Creating intimacy. **Daniel Be ’07** (in collaboration with Jonathan Blair, graduate student; sponsor: Prof. J. Cordova)
78. Perceived social competence and autonomy within friendships as predictors of adaptive coping. **Kristen Otten ’08** (in collaboration with Krista Beiswenger, graduate student; sponsor: Prof. W. Grolnick)
79. High school students’ motivational experience in the college application process. **Michelle Miller ’07** (sponsor: Prof. W. Grolnick)
80. Parental behavior and adolescent female self-esteem. **Meagan McCrea ’08** (in collaboration with Carrie Price, graduate student; sponsor: Prof. W. Grolnick)
81. Emotion in the classroom: An exploration of teachers’ responses to emotional expressions in boys and girls. **Amanda Purcell ’08** (in collaboration with Valeria Bellas, graduate student; sponsor: Prof. W. Grolnick)
82. Risk and personality. **Jon Baker ’07, Jackie Barton ’07, Sylvie Cancellor ’07, Eric Fabricant ’07, Paul Grocki ’07, Rob Klocko ’07 & Wes Long ’07** (sponsor: Prof. J. Laird)
83. Pain sensitivity, athletic experience, and embodiment. **Oli Cani ’07, Cori Bamberg ’07, & Nick Anton ’08** (in collaboration with Boyd Timothy, graduate student; sponsor: Prof. J. Laird)
84. Patterns of autonomic nervous system activity differentiated by cue response style. **Oli Cani ’07, Christina Herron ’07, Allison Ventrice ’07, & Emily Young ’07** (in collaboration with Boyd Timothy, graduate student; sponsor: Prof. J. Laird)
85. Pleasant melancholy: A cross-cultural examination. **Erica Zolli ’10** (sponsor: Prof. J. Valsiner)
86. The vale of a moldy photo album: Exploring the dynamics of a volunteer in New Orleans relief work. **Kate Del Vecchio ’07** (sponsor: Prof. J. Valsiner)
87. Analyzing ideal romantic relationship expectations between gender and age. **Alexandra Conrad ’07** (sponsor: Prof. R. Bibace)
88. Changing course evaluations: Instructors’ and students’ opinions on the current course evaluation system. **Tatiana Acosta ’08 & Gregory Arteglier ’07** (in collaboration with Christine Bascetta ’07, Mary Romprey ’07, & Angela Ciociolo ’08; sponsor: Prof. M. Bamberg)
89. Students’ and instructors’ perceptions of course evaluations: Talking about the same instrument? **Christine Bascetta ’07 & Gregory Arteglier ’07** (in collaboration with: Mary Romprey ’07, Angela Ciociolo ’08, & Tatiana Acosta ’08; sponsor: Prof. M. Bamberg)
90. What is behind instructors’ and students’ opposing positions of making course evaluations public? **Mary Romprey ’07 & Angela Ciociolo ’08** (in collaboration with: Tatiana Acosta ’08, Gregory Arteglier ’07, & Christine Bascetta ’08; sponsor: Prof. M. Bamberg)

**SYMPOSIUM: Cultural Living in the Cities: Bridges Between Russia and The United States**
Sponsors: Profs. J. Valsiner of Psychology, Clark University & N. Pokrovsky of Sociology, Higher School of Economics, Moscow, Russia
91. A glimpse of the semiotic borders of Main Street, Worcester. **Kate Del Vecchio ’07 & Mike Seidman ’08** (sponsor: Prof. J. Valsiner)
92. Functional isolation of marginal groups in the city. **Elina Dayanova** (Higher School of Economics, Moscow)
93. Eating out: Meeting of cultures in the restaurants on Main Street, Worcester. **Blair Gross ’07, Ruth Bleakley ’07, & Steven Cianciarulo ’07** (Clark University)
94. Light and darkness as social factors in the city. **Alexander Ramonov** (Higher School of Economics, Moscow)
95. Cultural psychology of parks: In darkness and in light. **Erica Mello ’08, Brittney Morrell ’08, Stephanie Morris ’08, & Victoria Verlezza ’09** (Clark University)
96. Sounds in/of the street as invisible boundaries. **Marina Nord** (Higher School of Economics,
Moscow)
97. The dynamics of time and space in the city. Nikita Kharlamov (Higher School of Economics, Moscow)

**CAPSTONE FOR INNOVATION AND ENTREPRENEURSHIP**

**INTERACTIVE POWERPOINT PRESENTATIONS.** The world is yours. Joseph Elias Phillips ’07; Interactive Purchasing Solutions, Inc. Zachary Zielenski ’07, Aaron O’Hearn ’07, & Patrick Shea ’07; Spiritual haze. Victoria Mariano ’08, Bilal Anwar ’08, Shahzad Godil ’08, Wei Che Cheng ’08, & Mehmet Canga ’08; 1, 2, 3, Steps. Wen Xiao Jia ’07; Brewery. Timothy Simokonis ’07; Multisport Maps. Brian Burns ’07 (sponsor: Prof. G. Gendron)

**UNIVERSITY COMMUNICATIONS: CLARK VOICES**
**1:00-4:00** Tilton Hall Recording Room
Students—Tell your story! Modeled after National Public Radio’s Story Corps Project, Clark Voices is Clark University’s oral history project about academic life at Clark. Tell a story about a favorite class, professor, teaching experience, study abroad experience or any other academic experience and watch it become part of a podcast on the University’s Web site.

**ABRAHMS GALLERY**
**12:30-4:30** Visual & Performing Arts: Painting Exhibition
RTS 133 Painting: Beyond the Surface. Emmeline Brown ’10, Seah Chickering-Burchesky ’08, Sara Geller ’09,
Jennifer Greene ’09, Jonathan Haught ’07, Rachel Israel ’08, Eliza Jones ’09, Sara Lawler ’09, Randi McClure ’07 (sponsor: Prof. E. Crocker)

**BEMIS CONFERENCE ROOM**
**12:30-2:30** Communications & Culture and Sociology: Panel Presentation
The 419 advance fee fraud scam: Crime, technology and social history. Lisa Bernstein ’07, Kelly Dodge ’07, Aliya Domash ’07, Blair Gross ’07, Rachel Henthorn ’07, Jaime Hickey ’07, Rebecca Karlinsky ’07, Caitlin Laurie ’07, Maria Lo Conte ’07, Ben Pinkasovic ’07, Stephanie Pollick ’07, Matthew Talbot ’07, & Rick Wiechmann ’07 (sponsor: Prof. E. Gordy)

**2:30-3:30** Sociology: Panel Presentation
Antihaitianism in the Dominican Republic. Ben Pinkasovic ’07 (sponsor: Prof. R. J. S. Ross); The intersection of law enforcement and rape crisis centers: A case study of the Worcester Police Department and the Rape Crisis Center of Central Massachusetts. Julianna Siegfriedt ’07 (sponsor: Prof. S. Tenenbaum); Rags to Riches? Mobility in the World System: The cases of Korea and Sweden. Christopher Leckband ’07 (sponsor: Prof. R. J. S. Ross)

**GRACE CONFERENCE ROOM**
**12:30-2:30** Anton and Steinbrecher Fellowship Program
Kushner); *The philosophy and practice of Buddhism*. **Geoffrey Bonn ’07** (sponsor: Prof. W. Wright).

**Steinbrecher Fellows**: Evaluation of a novel scaffold material for bone tissue replacement. **Harrison Mackler ’07** (sponsor: Prof. T. Lyerla); Learning to be global: Trade and productivity in Vietnam’s clothing and textile industries, **Huyen Nguyen ’07** (sponsor: Prof. J. Brown); Vedic Mathematics: An alternative to the current mathematics education system, **Nagraj Rao ’08** (sponsor: Prof. D. Joyce); Malaria risk mapping in Sri Lanka, **Niluka Gunawardena ’07** (sponsor: Prof. E. Marcano)

**2:30-3:00  Psychology: Presentation**
*On becoming a regular: An ethnographic survey of area restaurants.* **Ruth Bleakley ’07** & **Blair Gross ’07** (sponsor: Prof. J. Valsiner)

**THE GRIND**
**1:00-1:30  Foreign Languages & Literatures: Presentation and Dance Performance**
*Music is the solution: Afro-Caribbean poems interpreted through step.* Creator: **Evamer Sano ’07**; accompanied by **Manseen Logan ’07**, **Mika Kuwahara ’07**, **Janette Ekham ’09**, **Anuli Iloabachie ’08**, **Sarah Simatupand ’09**, **Lizwe Nondabella ’09**, **Asia Black ’08**, **BJ Otuyelu ’09**, **Michelle Berry ’07** (sponsor: Prof. M. Acosta Cruz)

**LURIE CONFERENCE ROOM**
**12:30-3:00  Mathematics & Computer Science: Presentations**
*Unleashing dynamic data in 3D and beyond.* **Peter Stein ’07** (sponsor: Prof. J. Breecher); Cheating the system: Electronic trading, **Yeshanth Gunawardena ’07** (sponsor: Prof. J. Breecher); Mathematical modeling of plasma physics, **Christopher Sataline ’07** (sponsor: Prof. N. Sternberg); Music classification through data compression, **Jeff Colombo ’07** (sponsor: Prof. F. Green); Collision-Free motion planning of closed chains, **Ihar Valodzin ’07** (sponsors: Profs. L. Han & L. Rudolph)

**PERSKY CONFERENCE ROOM**
**1:30-2:00  Foreign Languages & Literatures: Presentations**
*The Magical Hoe (魔法のくわ): A twenty-first century kamishibai.* **JP Burke ’08** & **Tomoyuki Kiga ’08** (sponsor: Prof. A. Valentine)

**2:00-3:15  Foreign Languages & Literatures: Panel Presentation**
ROSENBLATT CONFERENCE ROOM

12:30-2:00  Sociology: Panel Presentation

2:00-3:30  History: Honors Thesis Presentations
Decolonizing America: E. Franklin Frazier and Africa’s allure. Brooks Marmon ’07 (sponsor Prof. B. Grier); Gender and marginalization: The Burgh Council and the Reformation in Edinburgh, 1550-1610. Hilary May ’07 (sponsor Prof. N. Kushner); Racial ideology in Connecticut: The plight of Black Americans during the Post-Revolutionary Era. Cheryl Parker ’07 (sponsor Prof. D. McCoy); Whores gone wild: Whoredom and the construction of respectable womanhood in Eighteenth-Century Britain. Diane Sonnelitter ’07 (sponsor Prof. N. Kushner); James Madison and the federal negative: The remedy for the mortal diseases of the Union. Alyssa Sunkin ’07 (sponsor Prof. D. McCoy)

LITTLE CENTER EXPERIMENTAL THEATRE

3:00-4:30  Theatre: Performance
Writing Out Loud: Students read aloud from their narrative essays in progress. Jonah Beaukman, ’08, Willa Deitch ’09, Ryan Smith ’08, Jeremy Shulkin’07, Suzy Varin ’07, Johnna Plunkett ’09, Erica Getto ’09, Kaitlyn Sephton ’09, Anna Goldblatt ’08 (sponsors: Profs. G. DiIorio & A. Geller)

UNIVERSITY CENTER STAIRWELL

12:30-4:30  Visual & Performing Arts: Painting Exhibition
Collaborative murals for Clark University’s Biology Department. Margaret Baker ’10, Jennifer Baumann ’08, Emily Bell ’10, Chawisa Chartsuwan ’08, Claire Frost ’10, Rebecca Good ’09, Maeve Hogan ’10, Clara James ’10, Sarah McMahon ’09, Patille Nagozian ’10, Kassie Pearson-Pomerantz ’10, Monica Piedrahita ’08, Preethi Raj ’07, Rosanne Shaul ’09, Rachel Slater ’10, Sasha Susman ’09 (sponsor: Prof. E. Crocker)
Academic Spree Day Coordinator: Prof. James Cordova
Staff Coordinator: Jodie Lynn Boduch
Assistant Staff Coordinator: Dawn Gedenberg