



— Middlebury —
**SPRING STUDENT
SYMPOSIUM**
— APRIL 21, 2017 —

ACKNOWLEDGEMENTS

Middlebury's Spring Student Symposium is truly a communitywide effort, and there are many individuals to thank.

The Center for Teaching, Learning, and Research (CTLR) faculty and staff provided support and coordination for the symposium, especially Meghan Robbett and JoAnn Brewer and her student staff. With Shel Sax's oversight, the Middlebury College Library and the Information Technology Services staff dedicated many essential hours to the symposium. We would especially like to thank Mike Roy and Jim Stuart for making their staff members available to support the event: Lisa Terrier and her distribution team, including Nate Burt and Brian Foley; Dan Frostman and the circulation staff; Carrie Macfarlane and the library liaisons; Billy Sneed and Jeff Lahaie of the central systems and network group; Joe Durante and the HelpDesk staff; Petar Mitrevski, Mack Pauly, David Wright, and the media services staff; and the academic technology group including Bill Koulopoulos, Joe Antonioli, Heather Stafford, Daniel Houghton, and the digital media tutors. Cathy Ekstrom, the McCardell Bicentennial Hall building coordinator, together with general event support, organized the poster sessions.

Michael Sheridan, Karen Guttentag, AnGayle (AJ) Vasiliou, Marybeth Nevins, Amanda Crocker, and Brandon Baird served on the Spring Student Symposium Sessions Committee, creating an interdisciplinary event. Thanks to students Ruby

Saavedra Andres '17, Jerrica Davy '17, Dorosi Valle Flores '17, and Tatyana Parks '18 who provided fresh perspectives and assistance. Pam McGuire, Valerie Costello, Stephen Diehl, Pam Fogg, and Sara Marshall designed posters, helped get the word out, and documented the event. Yonna McShane, Mack Roark, August Hutchinson '16.5, Khan Kim '19, and Oratory Now student coaches assisted students in preparing their talks and posters by providing excellent learning materials and workshops. Ian Martin, Megyn Pitner, and their catering team provided an outstanding menu. Amy Foote, Lisa Ayers, and Jen Irwin and her facilities staff supported the symposium's logistical needs. Megan Curran facilitated arrangements within Johnson Memorial Building. We are grateful to all the people who served as moderators of presentation sessions.

We also thank Middlebury College faculty, whose mentorship and guidance have led to the student accomplishments we showcase today. Finally, we thank all of our student presenters for sharing their expertise and enthusiasm with our community, and we congratulate them on their accomplishments.

We also wish to acknowledge the internal and external funding sources without which many of today's research projects and the symposium itself would not have been possible. In particular, we wish to acknowledge the Norbert K. Vaughn '10 Memorial Fund, established in 2008 to honor Norbert's memory and to support the annual symposium, an event that exemplifies his approach to scholarly inquiry.

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For complete schedules and abstracts
for the 11th annual symposium,
visit go.middlebury.edu/sym

WELCOME

Join us in celebrating the 11th annual Spring Student Symposium!

The symposium is a daylong event in McCardell Bicentennial Hall, with open exhibits in Johnson Memorial Building. Classes have been suspended for the day to allow all members of the Middlebury College community to join in this celebration of student research and creative achievement. What began in 2006 as an afternoon of poster and oral sessions with 60 student presenters has grown into an expansive program of academic and creative works from over 300 students. Although the symposium has changed over the years, it remains at its heart a multidisciplinary celebration of undergraduate work at Middlebury College.

The goal of a liberal arts education is to cultivate creative, independent learners. This symposium speaks to Middlebury's pursuit of that goal. And so consider this program your guide into a rich world of inquiry and expression. Take a moment to plan the course of your day, explore the work of Middlebury students, and broaden your understanding of topics extending through the arts, the humanities, and the sciences.

Today's symposium reflects Middlebury's commitment to providing all students with undergraduate research and experiential learning opportunities. We applaud the accomplishments of our students, the mentoring and guidance of their sponsors, and the support of the Middlebury College community. We thank you for joining us to celebrate them.

The 2017 Spring Student Symposium Planning Committee

Hang Du, Associate Professor of Chinese, Co-chair

Lisa Gates, Associate Dean for Fellowships and Research,
Co-chair

Karen Guttentag, Associate Dean for Judicial Affairs
and Student Life

Larry Hamberlin, Associate Professor of Music

Carrie Macfarlane, Director of Research and Instruction

Marybeth Nevins, Associate Professor of Anthropology

Colleen Norden, Administrative Coordinator for
Undergraduate Research and Fellowships

Jim Ralph, Dean for Faculty Development and Research,
Rehnquist Professor of American History and Culture

Shel Sax, Director of Education Technology

Michael Sheridan, Associate Professor of Anthropology

AnGayle (AJ) Vasiliou, Assistant Professor of Chemistry
and Biochemistry

Greg Vitercik, Professor of Music

Please be aware that the academic projects presented are generally unpublished works in progress or preliminary research and are not intended to be referenced or cited without consent of all parties involved.

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LETTER FROM THE PRESIDENT

Welcome to the 2017
Spring Student Symposium!

Welcome to Middlebury College's 11th annual Student Symposium. Each April, students from first-years to seniors, across all academic disciplines, participate in this symposium. In presentations and poster sessions, performances, panels, and readings, they share their intellectual passions and discover what inspires their fellow classmates.

Today is a day for us to admire, appreciate, and celebrate both independence and collaboration. The work showcased here today is borne of original thought and independent inquiry and months of singular focus and effort. And yet, it also bears the hallmarks of partnerships with professors who worked alongside students in their creative and scholarly pursuits, providing instruction, mentorship, and guidance, and, most especially, encouraging curiosity.

Each of today's presentations began with a curious moment that was allowed to grow. That curiosity about an unexplored idea then sparked inquiry, which then fueled exploration. The result of that inquiry might not always be what was expected. The path might not have been smooth. There may have been stops and starts and detours and a few dead ends. But that is part of the power and beauty of the exploration—the discovery of the unknown, the disproving of assumptions, the triumph of truth, the joy of the unexpected, the satisfaction of work well done.

I encourage all of the students—whose focus and



hard work brought them here today—to take pride in embracing their curiosity and all that their independent explorations and their collaborations have made possible. We are honored to share today with them.

Sincerely,

A handwritten signature in cursive script that reads "Laurie L. Patton". The signature is written in dark ink on a white background.

President Laurie L. Patton

PROGRAM SCHEDULE OVERVIEW

8:30–9:00 a.m.

Presenter Check-In and Refreshments

McCardell Bicentennial Great Hall

9:00–9:15 a.m.

Welcome

McCardell Bicentennial Great Hall

Laurie Patton, President of Middlebury College

9:15–10:30 a.m.

Session I: Oral Presentations

McCardell Bicentennial Hall 104, 216, 219, 220, 303, 311,
403, 411, 438

10:00 a.m.–4:00 p.m.

Art Exhibits

Johnson Mezzanine, The Pit, 203, Outside 205

10:30–11:15 a.m.

Poster Presentations: Group 1 and Refreshment

McCardell Bicentennial Great Hall, 331, 338

11:15 a.m.–12:30 p.m.*

Session II: Oral Presentations

McCardell Bicentennial Hall 104, 216, 219, 220, 303, 311, 403, 411,
438, 538

*some sessions have five presentations and will run until 12:50 p.m.

12:30–1:30 p.m.

Lunch for Presenters, Sponsors, and Moderators

Atwater Dining Hall

Special lunch in Atwater is available from 11:30 a.m.–
2:00 p.m. Lunch will be served for all others at regular
hours in Proctor and Ross Dining Halls.

1:30–2:45 p.m.

Session III: Oral Presentations

McCardell Bicentennial Hall 104, 216, 219, 220, 303, 311,
403, 411, 438, 538

2:45–3:30 p.m.

Poster Presentations: Group 2 and Refreshments

McCardell Bicentennial Great Hall, 338

3:30–4:45 p.m.

Session IV: Oral Presentations

McCardell Bicentennial Hall 216, 219, 220, 303, 311,
403, 411, 438, 538

4:45–5:30 p.m.

Closing Reception

McCardell Bicentennial Great Hall

9:00–10:30 p.m.

Evening Event

McCardell Bicentennial Hall Observatory

COMPLETE SCHEDULE

8:30–9:00 a.m.

Presenter Check-In and Refreshments

McCardell Bicentennial Great Hall

9:00–9:15 a.m.

Welcome

McCardell Bicentennial Great Hall

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9:15–10:30 a.m.

Session I: Oral Presentations

Narrating the Self

Moderated by Christopher Star, Associate Professor of Classics

McCardell Bicentennial Hall 104

- 9:15 a.m. Learning to Love: The *Meditations* of Marcus Aurelius—Caius Mergy '17; Sponsor: Christopher Star, Classics
- 9:35 a.m. The Traveling Folktale: Exploring Cross-Cultural Storytelling through Devised Theatre—Nolan Ellsworth '17, Akhila Khanna '17; Sponsor: Dana Yeaton, Theatre
- 9:55 a.m. Female Voices East and West: A Comparison between *Heroides 7* of Ovid and *Changmen Fu* of Sima Xiangru—Wentao Zhai '17; Sponsor: Randall Ganiban, Classics
- 10:15 a.m. The Sound of Music: Dissonance and Harmony in *The Dead*—Erin Winseman '17; Sponsor: David Price, English and American Literatures

MiddMakers and Making Midd

Moderated by Amy Morsman, Associate Professor of History

McCardell Bicentennial Hall 216

- 9:15 a.m. Speaking Their Truths: An Analysis of Middlebury's First Sexual Harassment Policy and Campus Community Attitudes Surrounding Sexual Harassment between 1983 and 1989—Jiya Pandya '17; Sponsor: Amy Morsman, History

9:35 a.m. "I Miss Greens, but Not Kale": A Qualitative Analysis of Black and Latina Women's Experiences with Food at Middlebury College—Hana Gebremariam '17; Sponsor: Svea Closser, Sociology and Anthropology

9:55 a.m. MiddMakers: Bringing Ideas into the World—Leo McElroy '18; Sponsor: Tim Spears, American Studies

10:15 a.m. The Baking of "Granola Privilege": Outdoors Orientation at Middlebury College—Hye-Jin Kim '17; Sponsor: Matthew Lawrence, Sociology and Anthropology

The Medium and the Message

Moderated by Robert Schine, Professor of Jewish Studies

McCardell Bicentennial Hall 219

- 9:15 a.m. The Image of the Eastern European Jew in the Making of German-Jewish Identity, 1850–1914—David Rubinstein '18; Sponsor: Robert Schine, Religion
- 9:35 a.m. "In Suffering, a Dazzling Light": Jewish Historiography in the Debate over Zionism, 1837–1919—Andrew Smith '17; Sponsor: Robert Schine, Religion
- 9:55 a.m. Narratives of Lynching in the *Los Angeles Times*: The Stories of Francisco Torres and Jesus Fuen—Melissa Ortega '17; Sponsor: Rachael Joo, American Studies
- 10:15 a.m. Media Portrayals of Palestinians and Israelis in Anglophone Countries—Razan Jabari '18; Sponsor: Erik Bleich, Political Science

Exploring Displacement: Refugees and Migration

Moderated by Ellen Oxfeld, Professor of Anthropology

McCardell Bicentennial Hall 220

- 9:15 a.m. Displaced and Disoriented: Ethiopian Jews in Israel—Klaudia Wojciechowska '17; Sponsor: Michael Sheridan, Sociology and Anthropology
- 9:35 a.m. Climate Refugees in a Time of Nationalism: An Analysis of Europe's Political Discourse on Refugees—Elaine Forbush '17; Sponsor: Mez Baker-Medard, Environmental Studies

- 9:55 a.m. Overseas Filipino Workers (OFWs): New Heroes or Obstacle to Development?—Gabbie Santos '17; Sponsors: Peter Matthews, Economics; Sarah Stroup, Political Science
- 10:15 a.m. Between East and West: Cosmopolitanism in the 18th Century—Huirong Jia '17; Sponsor: Ian Barrow, History

Hidden Histories

Moderated by Louisa Burnham, Associate Professor of History

McCardell Bicentennial Hall 303

- 9:15 a.m. “Willie Horton Syndrome”: A Case Study in the Transformation of United States Penal Culture—Aliza Cohen '17; Sponsor: Rebecca Tiger, Sociology and Anthropology
- 9:35 a.m. Horst Unbound: An Examination of Surrealist Vocabulary in *The Mainbocher Corset*—Danielle Weindling '17; Sponsor: Eliza Garrison, History of Art and Architecture
- 9:55 a.m. Who's Next? Predicting and Understanding the Islamic State's Overseas Expansions—Ben Hawthorne '17; Sponsor: Sebnem Gumuscu, Political Science
- 10:15 a.m. Those Who Worked, Those Who Fought, and Those Who Played: Exploring Scenes of Clerical Homosexuality in the Middle Ages—Charlie Shotton '18; Sponsor: Louisa Burnham, History

Influences and Intersections: The Relations of Nations

Moderated by Damascus Kafumbe, Assistant Professor of Music

McCardell Bicentennial Hall 311

- 9:15 a.m. And the Weak Suffer What They Must?: Responses to Austerity Policy in Greece and Spain—Sophie Vaughan '17; Sponsors: Peter Matthews, Economics; Sarah Stroup, Political Science
- 9:35 a.m. Keith Jarrett's 1975 Köln Concert: African, European, and South Asian Musical Syncretism in American Jazz—Jack Herscowitz '20; Sponsor: Damascus Kafumbe, Music
- 9:55 a.m. Bridging the “Yawning Gap”: Richard C. Patterson, John Moors Cabot, and the Transformation of U.S. Embassy Policy in Yugoslavia from 1946 to 1948—David Hogan '17; Sponsor: Joyce Mao, History
- 10:15 a.m. Pentecostalism and Pan-Africanism: A Path Forward—Gregory Treiman '19; Sponsor: Ellie Gebarowski-Shafer, Religion

Share and Share Alike

Moderated by Mike Roy, Dean of the Library

McCardell Bicentennial Hall 403

- 9:15 a.m. A Unique Aid?: Towards a Placement Logic of Peace Corps Volunteers in Africa—Kyler Blodgett '17; Sponsor: Nadia Horning, Political Science
- 9:35 a.m. Beyond NGO Lines: A Window into Jukuku, Northern Ghana—Alexie Lessing '19; Sponsor: Michael Sheridan, Sociology and Anthropology
- 9:55 a.m. The Sharing Economy: Understanding the Distortionary Effects of Airbnb on Residential Rents—Travis Stephens '17; Sponsor: Erick Gong, Economics
- 10:15 a.m. Carnegie Libraries: An Investigation on the Impact of the Presence of the Libraries on Literacy Rates across the United States between 1890 and 1930—Nicole Lantigua '17; Sponsor: Erick Gong, Economics

Masculinities, Poetics, and Power

Moderated by Roman Graf, Professor of German

McCardell Bicentennial Hall 411

- 9:15 a.m. Who Scheduled the Meeting? Gender Biases in Group Initiatives—Alden Cowap '17; Sponsor: Andrea Robbett, Economics
- 9:35 a.m. *Maus*: Uncovering Images of Fathers and Sons—Jack Brisson '19; Sponsor: Roman Graf, German
- 9:55 a.m. Stifled with Filth: The Body as Critique of Mankind in *Gulliver's Travels* and *Ulysses*—Camille Kellogg '17; Sponsor: Stephen Donadio, Humanities
- 10:15 a.m. The Maasai: Colonial Impacts on Gender Roles, Spatial Alienation, and Reallocation, and the Dichotomization of Food and Space—Cora Kircher '20; Sponsor: Michael Sheridan, Sociology and Anthropology

This/That: Making Comparisons

Moderated by Ryan Clement, Data Services Librarian

McCardell Bicentennial Hall 438

- 9:15 a.m. School Choice and Crime: Has the Charter School Boom Affected Juvenile Crime Rates?—Maddie Webb '17; Sponsor: Erick Gong, Economics
- 9:35 a.m. Solar Power Development in Vermont and Jordan—Karina Toy '17; Sponsor: Julia Berazneva, Economics
- 9:55 a.m. Community Engagement in Sustainable Resource Use and Management in Montseny's and the Channel Islands' Biosphere Reserves—Evelin Toth '17; Sponsor: Christopher Klyza, Political Science

10:15 a.m. Glaciofluvial Sediment Deposition at the Outwash Plain of Seljavallajökull Outlet Glacier, South Iceland—Sophie Leiter '18; Sponsor: Jeff Munroe, Geology

10:00 a.m.–4:00 p.m.

Art Exhibits

Johnson Memorial Building

The Pit: Senior Independent Studio Class

Sponsor: William Ransom, Studio Art

Works by Annie Bartholomew '17, Nicole Cheng '17.5, Winthrop Homer '17, Tatum McInerney '17.5, Phoebe Mitchell '17, Katrina Moore '17, Rachael Morris '17, Rachel Nelson '18, Spence Peterson '18, Daniella Silva '17, Elizabeth Stasior '17.5, Weston Uram '18, Veronika Zubrytska '17.5

Hallway Outside Room 205: ART 300 Advanced Drawing

Sponsor: Hedya Klein, Studio Art

Works by Athena Haywood '20, Allison Hooley '17, Michaela Lombard '19, Eric Machado '17, Zoe Moynihan '19, Cordelia Prouvost '17, Cathryn Skinner '17, Sirun Wang '17, Margaret Weber '18, Hope Welder '18

Open Studio Room 203: ART 370 Oil Painting and Ceramics "Portraits of Power"

Sponsor: James Butler, Studio Art

Works by Zahrahh Ahmed '19, Sylvia Al-Mateen '17, Iram Asghar '18, Marcella Cimino Avery '18, Bridget Donner '20, Raine Ellison '19, Sarah Howard '19, Michaela Lombard '19, Francia Martinez '17, Emma Office '17, Ceryndipity Schoel '19.5, Allyson Stevens '19, Millie von Platen '18.5, Zarai Zaragoza '18

Johnson Mezzanine: ART 315 Intaglio Prints

Sponsor: Hedya Klein, Studio Art

Works by Martina Berger '17, Emma Boyd '18.5, Nicole Cheng '17.5, Sarah Gratz '19, Kevin Hernandez '20, Kelsey Lee '17, Reed Martin '19, Georgiana Miller '18, Benjamin Sanders '18, Luna Shen '19.5, Jill Stauffer '19, Veronika Zubrytska '17.5

10:30–11:15 a.m.

Poster Presentations: Group 1 and Refreshments

McCardell Bicentennial Great Hall, 331, and 338

(Please note that Poster Presentations: Group 2 will take place from 2:45–3:30 p.m.)

1. What Is the Good Life and How Do We Live It Together? MBH 338, Group 1—Poster A: Jay Silverstein '19 and Ciara Staveley-O'Carroll '19.5; Poster B: Jimmy Mckee '19 and Emilio Ovalles-Misterman '19; Poster C: Dan Cho '19.5 and Holley McShan '19.5; Poster D: MJ Pascual '19 and Grant Schultz '19; Poster E: Asher Brown '19.5 and Randy Spillane '19; Poster F: Amanda Bayer '19 and Charlie Nuss '19; Poster G: Lily Barter '19 and Grace Hwang '19.5; Poster H: Conner Gilbert '19 and Brendan Leech '19; Poster I: Morgan Matsuda '19 and Lulu Zhou '19; Sponsors: Deb Evans, American Studies; Jonathan Miller-Lane, Education Studies
2. How Can Farmers' Markets Enhance Urban Food Access? A Spatial and Temporal Investigation of Farmers' Markets and Food Deserts in Washington, D.C.—Alison Surdoval '17; Sponsor: Peter Nelson, Geography
3. Protein Bioengineering in the Ubiquitin-Proteasome System—Christopher Diak '18.5; Sponsor: Glen Ernstrom, Biology
4. Magical Thinking in Competition—Jason Lock '17; Sponsor: Jeffrey Carpenter, Economics
5. Disrupting Unhealthy Health Policy: The Lack of Endocrine-Disruptor Education in Health Policy at a State Level—Mariah Dawson '17; Sponsor: Molly Costanza-Robinson, Chemistry and Biochemistry
6. Nuclear Magnetic Resonance Field Regulation at CERN—Evan Patz '17; Sponsor: Anne Goodsell, Physics
7. The Varieties of Religious Experience—Matthew Blake '17; Sponsor: Sue Halpern, English and American Literatures
8. Renovating Kalorama Lodge on Christine Lake—Josh Espy '17; Sponsor: Erin Sassin, History of Art and Architecture
9. Coping Mechanisms and College Students' Stress: An Investigation—Eleanor Lorton '17, Cecelia Richter '17.5, Jack Simonds '17, Terumi Smith-Randle '17; Sponsor: Robert Moeller, Psychology
10. The Influence of Hanna Somatic Practice on Flexibility and Proprioception in Young-Adult Athletes—Maddie Pronovost '17; Sponsor: Kim Cronise, Psychology
11. The Addison Collective: Connect and Embrace—Adara Wicaksono '17; Sponsor: John McLeod, History of Art and Architecture
12. Optical Fiber Dispersion and Nonlinear Effects on Ultra-short Laser Pulses—Kirsten McNeill '18; Sponsor: Michael Durst, Physics
13. Procrastination's College Cruelty—Will Fleming '17, Dorosi Valle Flores '17; Sponsor: Robert Moeller, Psychology
14. Pavlov's Dog—Katrina Moore '17; Sponsor: Daniel Houghton, Library
15. Bridging the Gap: Using 3D Computer Animation to Explain Processes in *Borrelia burgdorferi*—Hosain Ghassemi '17; Sponsor: Bob Cluss, Chemistry and Biochemistry
16. Let's Play Cell: Developing a Computer Game to Teach Cell Organelles—Coumba Winfield '17; Sponsor: Vickie Backus, Biology
17. This presentation has been moved to an oral session.
18. Examining Labor Force Outcomes from the Vietnam War: Volunteers versus Draftees—Allen Jackson '17; Sponsor: Jeffrey Carpenter, Economics
19. The Relationship between Adaptive Functioning and Well-Being: A Self-Determination Theory Perspective—Sarah Caffry '17; Sponsor: Michelle McCauley, Psychology
20. Relationships between Home-Range Size, Hippocampal Cell Proliferation, and Testosterone in Wild Male Meadow Voles (*Microtus pennsylvanicus*)—Mark Sinks '17; Sponsor: Mark Spritzer, Biology
21. *Le Chat du Rabbin*: The Woman Hidden in the Body of a Speaking Cat—Emily Cox '17; Sponsor: Julien Weber, French
22. Prison Gerrymandering: How Rural Prisons Are Removing Funding and Votes from Urban Areas—Tabitha Mueller '18; Sponsor: Joseph Holler, Geography
23. Power, Art, or Identity: A Study on French Gardens during the 17th and 18th Centuries—Qingying Wang '17; Sponsor: Erin Sassin, History of Art and Architecture
24. Striking a Balance Within: Characterizing Putative Efflux Transporters in the Oral Pathogen *Streptococcus mutans*—Andrew Stoner '17; Sponsor: Grace Spatafora, Biology
25. Third-Party Perceptions of Infidelity Based on Gender and Type of Infidelity: Using Same-Sex Couples—Amanda Haik '17; Sponsor: Martin Seehuus, Psychology
26. Reconstructing a Postglacial Mineral Dust Record in the Eastern Uinta Mountains, Utah—Luna Wasson '17; Sponsor: Jeff Munroe, Geology
27. Elevation as a Driver of Lyme Disease Dynamics: Density, Phenology, and *Borrelia burgdorferi* Infection Rate of *Ixodes scapularis* Ticks in Central Vermont—Laura Bashor '17, Sebastian Zavoico '17.5; Sponsor: Dave Allen, Biology
28. Mapping Alistair MacLeod: A Digital Storytelling Project—Tom Dils '17; Sponsor: Dan Brayton, English and American Literatures

29. Organo Chromium Polymers as Molecular Wires—Eric Stanton '17; Sponsor: Jeff Byers, Chemistry and Biochemistry

30. Intraspecific Variation in Morphology of Larval Amphibians and the Influence of Morphology on Predator-Prey Interactions—Elizabeth Green '17; Sponsor: Stephen Trombulak, Biology

31. Social Media and the Fear of Missing Out at Middlebury College—David Fine '17, Corrine Milbury '16.5, Norris Ou '17; Sponsor: Robert Moeller, Psychology

32. "Are You Insane?": Mental Illness and Cinematic Climaxes, MBH 331—Spencer Watson '18; Sponsor: Hedy Klein, Studio Art

11:15 a.m.–12:30 p.m.*

Session II: Oral Presentations

*Sessions in rooms 219, 303, 403, and 411 have five presentations and will run until 12:50 p.m.

Journeys to Buddhism

Moderated by Laurie Patton, President of Middlebury College

McCardell Bicentennial Hall 104

- 11:15 a.m. A Path to Heaven: Reinterpreting Two Western Wei Mogao Caves—Jingchen Jiang '18; Sponsor: Sarah Laursen, History of Art and Architecture
- 11:35 a.m. Muriel Rukeyser's Journey to Ajanta—Matthew Blake '17; Sponsor: Brett Millier, English and American Literatures
- 11:55 a.m. Women and Buddhism in Charles Johnson's *Oxherding Tale*—Jerrica Davy '17; Sponsor: Brett Millier, English and American Literatures
- 12:15 p.m. Experiencing Womanhood as a Buddhist Nun—Michaela Maxwell '17.5; Sponsor: William Waldron, Religion

Facets of Public Health

Moderated by Barbara McCall, Director of Health and Wellness Education

McCardell Bicentennial Hall 216

- 11:15 a.m. Science, Support, and Sexual Trauma—Ariana Mills '17, Katie O'Neill '17.5; Sponsor: Tom Root, Biology
- 11:35 a.m. Infectious Diseases as Threats to Security? A Case Study on the West African Ebola Virus Disease Outbreak of 2014–2016—Madeline Hack '17; Sponsor: Sarah Stroup, Political Science
- 11:55 a.m. Moderators of Self-Compassion as It Relates to Prosocial Compassion and Helping Intentions—Sarah Caffry '17; Sponsor: Suzanne Gurland, Psychology
- 12:15 p.m. Active Ingredients: Exploring the Key Factors Affecting the Rising Cost of Developing New Drugs—Sarah Fossett '17; Sponsor: Phanindra Wunnava, Economics

Science's Impact

Moderated by Peter Ryan, Professor of Geology

McCardell Bicentennial Hall 219

- 11:15 a.m. The Intriguing "War" between Science and Christianity—Patrick Monette '17; Sponsor: Ellie Gebarowski-Shafer, Religion

11:35 a.m. The Patient's Experience of Conventional and Alternative Approaches to Biomedicine: Ambivalence, Autonomy, and Rationality—Yasmine Gilbert '17; Sponsor: Svea Closser, Sociology and Anthropology

11:55 a.m. The New Great Game in the Caucasus: Hydropower and Energy Security in the Republic of Georgia—Matt Floyd '17.5; Sponsor: William Pyle, Economics

12:15 p.m. H.I.T. or Miss: The Effects of Healthcare Information Technology on Clinical Efficacy and Efficiency—Jackson Adams '17; Sponsor: Jeffrey Carpenter, Economics

12:35 p.m. Investigating a Mechanism for Contaminant Uptake by Organically Modified Clays—Rachael Morris '17, Emory Payne '18; Sponsor: Molly Costanza-Robinson, Chemistry and Biochemistry

What Does It Do? Policy Administration and Implementation

Moderated by Robert Moeller, Assistant Professor of Psychology

McCardell Bicentennial Hall 220

- 11:15 a.m. Green-Dot Bystander Intervention: Does It Reduce College Sexual Violence Rates?—Matthieu St. Amour '17; Sponsor: Phanindra Wunnava, Economics
- 11:35 a.m. How ISIS Administered Its Way to Dominance in Syria—Katherine Preston '17; Sponsor: Sebnem Gumuscu, Political Science
- 11:55 a.m. Does Access to Methadone Maintenance Treatment Reduce Opiate-Related Deaths?—Sean Indrelie '17; Sponsor: Erick Gong, Economics
- 12:15 p.m. Examining the Effects of Contraceptive Mandates on the Black-White Birth Gap—Birgitta Cheng '17; Sponsor: Erick Gong, Economics

Communities Engaging Governance

Moderated by Rebecca Tiger, Associate Professor of Sociology and Anthropology

McCardell Bicentennial Hall 303

- 11:15 a.m. The Political Response to State Abuse of Power: Evidence from the NYPD—Jake Brown '17; Sponsor: Erick Gong, Economics
- 11:35 a.m. "Stolen Is Our Land, Education Is Our Stand!" Mexican-American Educational Access and Activism, University of Colorado, Boulder, 1968–1979—Maeve Moynihan '17; Sponsor: Amy Morsman, History

- 11:55 a.m. Pirates and Populism: The Left-Wing Consolidation of Icelandic Antiestablishment Politics—Alex Newhouse '17; Sponsor: Allison Stanger, Political Science
- 12:15 p.m. Voting Behavior in General Elections versus Referenda: An Analysis of the UK—Hollie Haigh '19; Sponsor: Bert Johnson, Political Science
- 12:35 p.m. Reblogging and Resistance: Constructing an Oppositional Black Feminist Aesthetic on Social Media—Erin Reid '17; Sponsor: Rebecca Tiger, Sociology and Anthropology

It Takes a Village: The Influence of Caregivers on Children
Moderated by Megan Brakeley, Assistant Director of Community Engagement

McCardell Bicentennial Hall 311

- 11:15 a.m. Reading for Children in Rural China: Misconceptions on Effective Reading Practices by Rural Chinese Caregivers—Paul Irizarry '17, Annie Tong '19; Sponsor: William Pyle, Economics
- 11:35 a.m. Emotion Regulation and Building Relationships: Socialization of Emotion in Early Childhood Classrooms—Eleanor Fisk '17; Sponsor: Allison DiBianca Fasoli, Psychology
- 11:55 a.m. Crafting a Teaching Philosophy: A Portfolio Presentation—Brittany Parker '17; Sponsor: Tracy Weston, Education Studies
- 12:15 p.m. Breaking through the Stereotypical Image of the Scientist: The Importance of Representation and Familiarization—Brooke Angell '18; Sponsor: Roger Sandwick, Chemistry and Biochemistry

Let There Be Light!

Moderated by Michael Durst, Assistant Professor of Physics

McCardell Bicentennial Hall 403

- 11:15 a.m. In Vivo Optogenetic Acidification of Synaptic Vesicles in *C. elegans*—Julie Merchant '17; Sponsor: Glen Ernstrom, Biology
- 11:35 a.m. Assembly of a Fiber-Optic Probe for Raman Spectrographic Analysis—Sarah Lake '17; Sponsor: Stephen Ratcliff, Physics
- 11:55 a.m. Biomedical Optics: Looking Inside Things by Shooting Lasers at Them—Colin Laurence '17; Sponsor: Michael Durst, Physics
- 12:15 p.m. Thermal Decomposition of Thiophene—Thomas Cowell '17; Sponsor: AnGayle (AJ) Vasiliou, Chemistry and Biochemistry

- 12:35 p.m. Smart Tracking to Increase the Efficiency of the Middlebury College Solar Farm—Noah Klammer '17; Sponsor: Richard Wolfson, Physics

Mutual Shaping of Margins and Centers

Moderated by Marcos Rohena-Madrado, Assistant Professor of Spanish

McCardell Bicentennial Hall 411

- 11:15 a.m. Whiteness: Understanding Identity through the Cultural Imagination—Shuba Maniram '17; Sponsor: Michael Sheridan, Sociology and Anthropology
- 11:35 a.m. Modernization and Manipulation: The Decline, Preservation, and Implications of Minority Language Use in Russia—Mikayla Hyman '20; Sponsor: Shawna Shapiro, Writing Program
- 11:55 a.m. Perceptions of Slang in Iberian Spanish: The Case of Caló Loanwords—Caroline Cating '16.5; Sponsor: Brandon Baird, Spanish and Portuguese
- 12:15 p.m. Cultures of Consent and Sexuality among People with Developmental and Intellectual Disabilities—Kyle Wright '19.5; Sponsor: Susan Burch, American Studies
- 12:35 p.m. "Optical Politics": Film and Spectatorship in David Foster Wallace's *Infinite Jest*—Renee Chang '17; Sponsor: Brett Millier, English and American Literatures

Equations, Models, and Understanding

Moderated by Wendy Shook, Science Data Librarian

McCardell Bicentennial Hall 438

- 11:15 a.m. The Quantum Hall Effect—Elizabeth Noelle Blose '17.5; Sponsor: Noah Graham, Physics
- 11:35 a.m. The Leading Digit Law in Nature and Chaos—Nimrod Sadeh '17.5; Sponsor: Frank Swenton, Mathematics
- 11:55 a.m. Building the Middlebury Language Tables Web App—Amir Amangeldi '17, Peter Huffman '17; Sponsor: Daniel Scharstein, Computer Science
- 12:15 p.m. The Structure of Poetry—Jack Parker '19; Sponsor: Karin Gottshall, English and American Literatures

Humane Ecologies

Moderated by Molly Anderson, Professor of Food Studies

McCardell Bicentennial Hall 538

- 11:15 a.m. The Importance of Access in Understanding Disability and Political Reality for Disabled Jordanians—Jinseul Jun '17; Sponsor: Susan Burch, American Studies

- 11:35 a.m. Measuring the Impact of Gentrification on Individual and Aggregate Voting Behavior in Chicago and Boston Municipal Elections—Oisín Reed-Kelly '17; Sponsors: Bert Johnson and Matt Dickinson, Political Science
- 11:55 a.m. Health, Physical Activity, and Rural Environments—Alessandria Schumacher '17; Sponsor: Peter Nelson, Geography
- 12:15 p.m. Reflections on Climate Change and Loss on the U.S. Gulf Coast—Heather Tourgee '17; Sponsor: David Bain, English and American Literatures

12:30–1:30 p.m.

Lunch for Presenters, Sponsors, and Moderators

Special lunch in Atwater is available from 11:30 a.m.–2:00 p.m.

Lunch will be served for all others at regular hours in Proctor and Ross Dining Halls.

1:30–2:45 p.m.

Session III: Oral Presentations

Negotiating Resource Access in a Changing World

Moderated by Jessica L'Roe, Assistant Professor of Geography

McCardell Bicentennial Hall 104

1:30 p.m. Negotiating Resource Access in a Changing World—Emma Auden '17, Julianna Childs '17.5, Katy Greene '17, Lea LeGardeur '17, Tabitha Mueller '18, Spence Peterson '18, Mairin Wilson '17.5; Sponsor: Jessica L'Roe, Geography

In Search of Inclusion in Young-Adult Novels

Moderated by Tara Affolter, Assistant Professor of Education Studies

McCardell Bicentennial Hall 216

1:30 p.m. In Search of Inclusion in Young-Adult Novels—Will Fleming '17, Brian Ketchabaw '20, Irene Margiotta '19, Timothy Ogle '17, Eliza Renner '18, Jeremy Stratton-Smith '17; Sponsor: Tara Affolter, Education Studies

Additional student participants include Brandon Aguirre '17, Eduardo Alejandro '17, Celia Alter '18, Joanna Balla '19.5, Sara Benitez Ramirez '19, Toni Cuevas '18, Kelly Delane '18, Elissa Denunzio '18, Crystal Farkaschek '19, Eleanor Fisk '17, Tania Flores '18, Leslie Grubb '17.5, Zoe Harris '20, Octavio Hingle-Webster '17, Paul Irizarry '17, Akhila Khanna '17, Grace Lozano '17, Emily Matthews '18, Michael McGean '17, Mariah Neilsen '18, Madeleine Nunez '17.5, Sergio Nunez-Xoconoxtle '18, Ryan Peer '18, Benjamin Raifman '17, Amanda Reilly '17, Cecelia Richter '17.5, Harrison Schroder '17.5, Quincy Simmons '18, Jin-Mi Sohn '18, Matthieu St. Amour '17, Devon Tomasi '17, Celia Watson '17, Olivia Wiggins '18.5, Oliver Wijayapala '17, Zarai Zaragoza '18, Robert Zarate-Morales '17

Framing the Discourse

Moderated by Katrina Spencer, Literatures and Cultures Librarian

McCardell Bicentennial Hall 219

1:30 p.m. Securitization of Immigration in American Discourse—Claire Treesh '17; Sponsor: Bert Johnson, Political Science

1:50 p.m. "A Man's Rights Are Not to Be Measured by His Economic Status": The La Follette Civil Liberties Committee and Moral Authority in the New Deal—Nicholas Delehanty '17; Sponsor: Kathryn Morse, History

2:10 p.m. The Kalahari San: The Exploitation on "Primitivity" and "Indigeneity"—Sylvia Choi '19; Sponsor: Michael Sheridan, Sociology and Anthropology

2:30 p.m. The Political Tragedy of Aeschylus and Thucydides—Leo Trotz-Liboff '17; Sponsor: Pavlos Sfyroeras, Classics

Embodied Research: Senior Dance Theses

Moderated by Krista Miranda, Visiting Lecturer in Dance

McCardell Bicentennial Hall 220

1:30 p.m. Embodied Research: Senior Theses in Dance—Mandy Kimm '17, Andrew Pester '17; Sponsor: Jen Ponder, Dance

Revolutions of Culture in China

Moderated by Thomas Moran, Professor of Chinese

McCardell Bicentennial Hall 303

1:30 p.m. Shifting Gears: Vocational Education and the Transformation of the Chinese Economy—Emily Cipriani '19.5, Ngor Luong '19, Priyanjali Sinha '18, Jin-Mi Sohn '18; Sponsor: Orion Lewis, Political Science

1:50 p.m. U.S.-China Comparison: Youth Engagement in the Common Good—Emma Ronai-Durning '18; Sponsor: Jessica Teets, Political Science

2:10 p.m. Representations of Disability in Maoist China 1949–1976—Sarah Scott '17; Sponsor: Susan Burch, American Studies

2:30 p.m. The Perpetual Foreigner: How Persisting Ideas of Exoticization, Otherness, and Discrimination Plague Chinese Cinema—Addis Fouche-Channer '17; Sponsor: Thomas Moran, Chinese

Evolution, in the Broadest Sense

Moderated by Dave West, Professor of Geology

McCardell Bicentennial Hall 311

1:30 p.m. ISIS Recruitment in the West: New Media and the Creation of a Global Terrorist Network—Nicole Caci '17; Sponsor: Sebnem Gumuscu, Political Science

1:50 p.m. Investigating the Origins of Clays in Alpine Soils in the Uinta Mountains, Utah—Atticus Proctor '18; Sponsor: Jeff Munroe, Geology

2:10 p.m. The Coevolution of Postmerger Galaxies and Dust-Reddened Quasars—Milena Crnogorčević '17; Sponsor: Eilat Glikman, Physics

2:30 p.m. Taking Down the Big Top: The Animal Rights Movement and the Rise and Fall of Ringling Bros. and Barnum & Bailey Circus—Ashley Babcock '17; Sponsor: Mez Baker-Medard, Environmental Studies

Governing Society

Moderated by Sarah Stroup, Associate Professor of Political Science

McCardell Bicentennial Hall 403

1:30 p.m. Cultivating Legitimacy and Deconstructing Indigeneity: The Case of a Community Farm in Hong Kong—Adrian Leong '16.5; Sponsor: Ellen Oxfeld, Sociology and Anthropology

1:50 p.m. Falling Out of Love with Democracy: Evidence from Mauritius, South Africa, and the United States—Sebastian Kern '17; Sponsor: Nadia Horning, Political Science

2:10 p.m. The Paradox of Reform: Rising Inequality, the Welfare State, and Decentralized Governance in Modern China—William Weightman '17; Sponsor: Orion Lewis, Political Science

2:30 p.m. The Interconnectedness of Women in Iringa, Tanzania: Their Stories, Constraints, Resistance, and Relational-Esteem—Sara Swett '17; Sponsor: Michael Sheridan, Sociology and Anthropology

Africa

Moderated by Jim Ralph, Professor of American History and Culture

McCardell Bicentennial Hall 411

1:30 p.m. Child Witches of Kinshasa: Modernity and Anxiety—Adam Fisher '19; Sponsor: Michael Sheridan, Sociology and Anthropology

1:50 p.m. Sagara Stories: Agrarian Narratives from the Women of the West Usambara Mountains, Tanzania—Anahi Naranjo '17; Sponsor: Mez Baker-Medard, Environmental Studies

2:10 p.m. African Leadership University: Rethinking Education in Africa—Sena Voncujevi '17; Sponsor: Nadia Horning, Political Science

2:30 p.m. The Straight Path to Nutrition: Roads and Weather Shocks in Nigeria—Marcos Barrozo '17; Sponsor: Erick Gong, Economics

World-Wide Webbing: Case Studies of Connection

Moderated by Peter Nelson, Professor of Geography

McCardell Bicentennial Hall 438

1:30 p.m. The Construction of Moralistic Values in Hero Shows in Japan—Michiko Yoshino '17; Sponsor: Marybeth Nevins, Sociology and Anthropology

1:50 p.m. Crossover: Basketball, Public Space, and Spectacle in Mexico—Charlie Dulik '17.5; Sponsor: Peter Nelson, Geography

2:10 p.m. Women of the Islamic State: Social Media, State Creation, and Sisterhood—Francesca Conde '17; Sponsor: Burke Rochford, Religion

2:30 p.m. Ingredients of Integration: A Study of Collaborative Cooking Classes as Mechanisms of Social and Cultural Integration of Syrian Refugees in Germany—Amir Sohn Firestone '17; Sponsor: Ellen Oxfeld, Sociology and Anthropology

Beyond Walden: New England Natures

Moderated by Catharine Wright, Director of the Writing Program

McCardell Bicentennial Hall 538

1:30 p.m. Welcome Homo: Finding Queer in Rural Vermont—Jenevra Wetmore '17; Sponsor: Chris Shaw, English and American Literatures

1:50 p.m. Atom's Tomb—Michael Schermerhorn '18; Sponsor: Jay Parini, English and American Literatures

2:10 p.m. U-Pb Dating of Calcite Veins in the Champlain Valley: Constraints on Post-Paleozoic Rejuvenation in the Eastern North American Margin—Matt Barr '17.5; Sponsor: Will Amidon, Geology

2:30 p.m. From Parlor Moralists to Classroom Scientists: Female Normal School Students' Use of Nature-Study to Professionalize Public Education and Expand the Woman's Sphere—Sarah Dohan '17; Sponsor: Kathryn Morse, History

2:45-3:30 p.m.

Poster Presentations: Group 2 and Refreshments

McCardell Bicentennial Great Hall and 338

33. What Is the Good Life and How Do We Live It Together? MBH 338, Group 2—Poster A: Sabrina Quintanilla '19 and Haley Roe '19; Poster B: Nick Garber '19 and Audrey Pan '19; Poster C: Ivy Geilker '19.5 and Holton Huntington '19.5; Poster D: Rowen Felt '19 and Grace Stimson '19; Poster E: Faraz Ahmad '19 and Corinne Winsten '19.5; Poster F: Jeremy Barovick '19 and Charlotte Reider-Smith '19; Poster G: Catherine Harrison '19 and Tiffany Martinez '19; Poster H: Minhaj Rahman '19.5 and Sam Wood '19; Poster I: Spencer Cage '19 and Ian Sexton '19; Sponsors: Deb Evans, American Studies; Jonathan Miller-Lane, Education Studies
34. Examining the Relationship between Self-Determination Theory's Basic Needs Satisfaction and Organizational Citizenship Behavior—Alanna Brannam '19; Sponsor: Michelle McCauley, Psychology
35. Envisioning Feminist Science at Middlebury—Matea Mills-Andruk '18.5, Erin Work '18; Sponsor: Carly Thomsen, Gender, Sexuality, and Feminist Studies
36. The Role of *Astn2* in Neurodevelopment—Malik Gomez '18; Sponsor: Amanda Crocker, Neuroscience
37. Unraveling the Geologic History of Midcoastal Maine: The Edgcomb Gneiss—Jessica Chen '17; Sponsor: Dave West, Geology
38. Research Proposal: Sleep Treatment Efficacy in Schizophrenic Individuals with Severe Symptoms—Daryl Morrison '18.5; Sponsor: Martin Seehuus, Psychology
39. Creating an Online Card Game—Cole Hilscher '17; Sponsor: Peter Johnson, Computer Science
40. RIVIR (Remote Inspection Vehicle with Infrared)—Shougat Barua '19, Annie Cowan '18, Bennett Doherty '18, Jen Johnson '18, Robert Pritchard '19, Jonah Simon '18; Sponsor: Noah Graham, Physics
41. Geochemical and Petrographic Analysis of Volcanic Rocks from North Haven Island, Penobscot Bay, Maine—Mackenzie Best '17.5; Sponsor: Dave West, Geology
42. Characterizing Six Genotypes of the Cholinergic Receptor Nicotinic Alpha 7 Genes *CHRNA7* and Duplication *CHRFAM7A* with TaqMan—Josh Goldenberg '18; Sponsor: Glen Ernstrom, Biology
43. The Biopower of Organic Intellectuals: Reconciling Foucault and Gramsci to Investigate the Socionature of Community-Supported Kitchens—Henry Thomson '17; Sponsor: David Stoll, Sociology and Anthropology
44. Building a Wavelength-Tunable Two Photon Microscope to Image GFP and mEos2 Fluorescent Proteins—Emily Miller '17; Sponsor: Michael Durst, Physics
45. Flippity Floppity: Investigating Specific Nucleotides in *Streptococcus mutans* That Are Essential for SloR Binding—Roger Winters '17; Sponsor: Grace Spatafora, Biology
46. The Three French Estates of 1789: Set in Oil Paintings—Elizabeth Stasior '17.5; Sponsor: William Ransom, Studio Art
47. On an Average Day: An Independent Study in Scenic Design—Ben Rose '17.5; Sponsor: Mark Evancho, Theatre
48. Characterization of an Otx2 Retinal Enhancer—Emma Office '17; Sponsor: Roger Sandwick, Chemistry and Biochemistry
49. Investigating the Role of the KLHL9 Gene through CRISPR/Cas9-Mediated Deletion—Ariana Mills '17; Sponsor: Tom Root, Biology
50. Is Moral Disengagement Contagious? The Effect of Peers on Moral Disengagement—Kristen Regenauer '17; Sponsor: Allison DiBianca Fasoli, Psychology
51. Generalizing Adinkra-Like Structures onto Graphs of Symmetry Groups—Jeremy Stratton-Smith '17; Sponsor: Priscilla Bremser, Mathematics
52. Does Universal, Free Prekindergarten Encourage Female Labor Force Participation?—Madeline Logue '17; Sponsor: Jeffrey Carpenter, Economics
53. Experimental Evidence for Status-Seeking through Debt Accumulation—Taylor Banaszewski '17; Sponsor: Jeffrey Carpenter, Economics
54. Geochemical Analysis and Origin of Uranium in Groundwater Wells in the Clarendon Springs, Skeels Corner, and Danby Formations, Colchester/Milton, Vermont—Tucker Meredith '17; Sponsor: Peter Ryan, Geology
55. Community Health Worker Pay and Workload: The Case of Ethiopia's Women's Development Army—Yasmine Gilbert '17; Sponsor: Svea Closser, Sociology and Anthropology
56. Putative Interaction between Branch Site and 5' Splice Site during the Exon-Ligation Conformation of Splicing—Sarah Koenigsberg '17; Sponsor: Bob Cluss, Chemistry and Biochemistry
57. Between Water and Garden—Qingying Wang '17; Sponsor: John McLeod, History of Art and Architecture
58. Observatory Stargazing—Jackson Adams '17, Jacob Brady '17, Tatum Braun '20, Samuel Cartwright '18, Milena Crnogorčević '17, Julia Kendrick '17, Avery Travis '18, Roo Weed '18.5; Sponsor: Jonathan Kemp, Sciences Tech Support Services

59. Convene: An Open Invitation for Civil Engagement—
Emma Picardi '17.5; Sponsor: John McLeod, History of Art and
Architecture

60. Trigger Warnings: A Preliminary Empirical Investigation—
Jen Koide '17; Sponsor: Matt Kimble, Psychology

61. Steps toward Reproductive Justice: A Middlebury 5k—
Imogen Arzt Jones, Miranda-Max de Beer '19, Mika Morton
'19, Hannah Redmon '20; Sponsor: Carly Thomsen, Gender,
Sexuality, and Feminist Studies

62. Next-Generation Taxonomic Guide to Freshwater Zoo-
plankton—Benjamin Ramcharitar '17; Sponsor: Tom Root,
Biology

63. The Importance of Belonging: The Relation between
Undergraduate Student Expectations and Stress—Alexandra
Fields '17; Sponsor: Robert Moeller, Psychology

3:30-4:45 p.m.

Session IV: Oral Presentations

Brain Storming: Cognitive Constraints and Affordances Moderated by **Andrea Robbett, Assistant Professor of Economics**

McCardell Bicentennial Hall 216

- 3:30 p.m. A Limit to Learning?: Effects of Plasticity on Brain Energy Utilization—Natalie Burlant '17; Sponsor: Mike Dash, Psychology
- 3:50 p.m. So You Think You Can Juggle?—Alaa Abdelfattah '17; Sponsor: Jeffrey Carpenter, Economics
- 4:10 p.m. Conceptions of Madness in Post-Soviet Spaces—Brenna Christensen '17; Sponsor: Susan Burch, American Studies
- 4:30 p.m. Do Bilinguals Behave Differently Depending on Language? Investigating the Foreign-Language Effect among Balanced Bilinguals—Mohamed Hussein '17; Sponsor: Andrea Robbett, Economics

Negotiating Identities

Moderated by **Baishakhi Taylor, Dean of Students**

McCardell Bicentennial Hall 219

- 3:30 p.m. Do Famines Happen in Democracies?—Hannah Blackburn '17; Sponsor: Erick Gong, Economics
- 3:50 p.m. Mixed-Race Identity on Facebook—Samantha Lamont '17; Sponsor: Marybeth Nevins, Sociology and Anthropology
- 4:10 p.m. Exposing Interior Identity: A New Perspective on Ornament in the Bodies of Klimt's Society Portraits—Zara Corzine '17; Sponsor: Erin Sassin, History of Art and Architecture
- 4:30 p.m. Female Empowerment in Sierra Leone: Resistance and Solidarity—Maggie Nazer '17; Sponsor: Svea Closser, Sociology and Anthropology

Across Languages

Moderated by **Shawna Shapiro, Assistant Professor of Writing and Linguistics**

McCardell Bicentennial Hall 220

- 3:30 p.m. Code-Switching and Identity: A Case Study of Mandarin-English Bilingual College Students' Language Use—Emma Auden '17; Sponsor: Hang Du, Chinese

3:50 p.m. Rewriting "Happily Ever After": Subversion of Traditional Fairytale Tropes in Creative Writing—Melanie English '17; Sponsor: Gloria Estela González Zenteno, Spanish and Portuguese

4:10 p.m. Women's Rights, Social Reform, and That One Time with the Shotgun—Alexandra Muck '17.5; Sponsor: Marcos Rohena-Madrado, Spanish and Portuguese

4:30 p.m. Dance History in the U.S.: Embodying Alternative Humanity—Mandy Kimm '17; Sponsor: Krista Miranda, Dance

Downtime and Mind Fullness

Moderated by **Kim Cronise, Associate Professor of Psychology**

McCardell Bicentennial Hall 303

- 3:30 p.m. Work Hard, Play Harder: Invisible and Unpaid Student Labor Outside the Classroom—Adriana Ortiz-Burnham '17; Sponsor: Jamie McCallum, Sociology and Anthropology
- 3:50 p.m. An Investigation of Mindfulness Dosages on College Students' Stress Reactivity—Emma Wilkinson '17; Sponsor: Kim Cronise, Psychology
- 4:10 p.m. Why Do We Need to Sleep? Synaptic Homeostasis and the Need for Sleep—Harrison Hsiang '17; Sponsor: Mike Dash, Psychology
- 4:30 p.m. Understanding Sleep Function through Patterns of Brain Activity—Sam Snyder '17; Sponsor: Mike Dash, Psychology

Dangerous Consumption: From Doctrines to Toxins

Moderated by **AnGayle (AJ) Vasiliou, Assistant Professor of Chemistry and Biochemistry**

McCardell Bicentennial Hall 311

- 3:30 p.m. Caffeine, Your Genes, and What It All Means: Effect of Caffeine Metabolism Genotype on Caffeine Consumption Habits—Erzsebet Nagy '17; Sponsor: Roger Sandwick, Chemistry and Biochemistry
- 3:50 p.m. Is It Easy Being Green? Exploring the Relationship between LEED-Certified Buildings and Gentrification in Chicago, Illinois—Shubha Ganesan '17; Sponsor: Peter Nelson, Geography
- 4:10 p.m. Lead Testing in Drinking Water—Mairin Wilson '17.5; Sponsor: Molly Costanza-Robinson, Chemistry and Biochemistry
- 4:30 p.m. Thermal Cracking of Ethanethiol—Jared Whitman '17; Sponsor: AnGayle (AJ) Vasiliou, Chemistry and Biochemistry

Fracturing: Across Physical, Mental, and Sociological Worlds

Moderated by Will Amidon, Assistant Professor of Geology

McCardell Bicentennial Hall 403

- 3:30 p.m. Adding Depolarization Measurements to Raman Spectroscopy—Alex Nichols '17; Sponsor: Stephen Ratcliff, Physics
- 3:50 p.m. What Led to the Islamic State (ISIS)?—Sophie Robart '17; Sponsor: Amy Yuen, Political Science
- 4:10 p.m. Negative Cognitions and PTSD: Using N400 and Reaction Time Measurements to Assess Semantic Expectancy Biases in Trauma Survivors—Emily Mellen '17; Sponsor: Matthew Kimble, Psychology
- 4:30 p.m. Towards Interactive Objectivity in Social Science: Feminist Social Epistemologies, Methodological Debates in Social Science, and Quantitative Literacy—Jingyi Wu '17; Sponsor: John Spackman, Philosophy

Preferences and Pathways

Moderated by Mez Baker-Medard, Assistant Professor of Environmental Studies

McCardell Bicentennial Hall 411

- 3:30 p.m. Investigating Effects of Xenoestrogenic Chemicals on Digit Development in the CD-1 Mouse—Andrew Grant '17; Sponsor: Molly Costanza-Robinson, Chemistry and Biochemistry
- 3:50 p.m. Human Gene Expression Rescues Mevalonate Pathway Defects in Yeast—Maddison Morgan '18; Sponsor: Roger Sandwick, Chemistry and Biochemistry
- 4:10 p.m. Tree Huggers in Tampolo: Habitat Preferences for Three Nocturnal Lemur Species in Tampolo Protected Forest—Kristina Ohl '17; Sponsor: Mez Baker-Medard, Environmental Studies
- 4:30 p.m. Blue—Catherine Feldman '18; Sponsor: Edward Vazquez, History of Art and Architecture

Super Models

Moderated by Daniel Scharstein, Professor of Computer Science

McCardell Bicentennial Hall 438

- 3:30 p.m. Hydrodynamic Modeling of Lake Champlain—Jing He '17; Sponsor: Tom Manley, Geology
- 3:50 p.m. On the Efficiency of Bio-inspired Dual-Wing Generator—Felix Wang '16.5; Sponsor: Richard Wolfson, Physics

4:10 p.m. A Plane-Based Approach to Mondrian Stereo Matching—Dylan Quenneville '18; Sponsor: Daniel Scharstein, Computer Science

4:30 p.m. Modeling Neurodegenerative Diseases in *S. cerevisiae*—Sabina Haque '18; Sponsor: Roger Sandwick, Chemistry and Biochemistry

Language Culture Interface

Moderated by Maria Hatjigeorgiou, Lecturer in Religion and Gender, Sexuality, and Feminist Studies

McCardell Bicentennial Hall 538

- 3:30 p.m. Perceptions of Spanish Language and Culture in American Advertisements—Drew Buchser '18, Jen Koide '17; Sponsor: Brandon Baird, Spanish and Portuguese
- 3:50 p.m. Light and Darkness: Language and Experience in the Christian Mystical Tradition—Jonah Heiser '17; Sponsor: Maria Hatjigeorgiou, Religion
- 4:10 p.m. Challenges of Learning Cantonese as a Native English Speaker—Oliver Wijayapala '17; Sponsor: Hang Du, Chinese
- 4:30 p.m. From Japan to Rome: Homophonic Translation as Exploration—Ben Freedman '19; Sponsor: Timothy Billings, English and American Literatures

4:45–5:30 p.m.

Closing Reception

McCardell Bicentennial Great Hall

Music by Aidan O'Brien '20 and Milo Stanley '17.5

Evening Events

9:00–10:30 p.m.

Observatory Stargazing

McCardell Bicentennial Hall Observatory

Jackson Adams '17, Jacob Brady '17, Tatum Braun '20, Samuel Cartwright '18, Milena Crnogorcevic '17, Julia Kendrick '17, Avery Travis '18, Roo Weed '18.5; Sponsor: Jonathan Kemp, Sciences Tech Support Services

This event will only take place if the sky is mostly clear. Please call the observatory at 802-443-2266 after 7 p.m. for weather status.

PRESENTER INDEX

Alphabetical by Name

Full abstracts can be found online at go.middlebury.edu/sym.

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Adams, Jackson '17: H.I.T. or Miss: The Effects of Healthcare Information Technology on Clinical Efficacy and Efficiency—MBH 219 at 12:15 p.m.; Observatory Stargazing, Poster 58—MBH Great Hall at 2:45 p.m.; Stargazing—MBH Observatory at 9:00 p.m.

Ahmad, Faraz '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster E—MBH 338 at 2:45 p.m.

Amangeldi, Amir '17: Building the Middlebury Language Tables Web App—MBH 438 at 11:55 a.m.

Angell, Brooke '18: Breaking through the Stereotypical Image of the Scientist: The Importance of Representation and Familiarization—MBH 311 at 12:15 p.m.

Arzt Jones, Imogen: Steps toward Reproductive Justice: A Middlebury 5k, Poster 61—MBH Great Hall at 2:45 p.m.

Auden, Emma '17: Negotiating Resource Access in a Changing World—MBH 104 at 1:30 p.m.; Code-Switching and Identity: A Case Study of Mandarin-English Bilingual College Students' Language Use—MBH 220 at 3:30 p.m.

B

Babcock, Ashley '17: Taking Down the Big Top: The Animal Rights Movement and the Rise and Fall of Ringling Bros. and Barnum & Bailey Circus—MBH 311 at 2:30 p.m.

Banaszewski, Taylor '17: Experimental Evidence for Status-Seeking through Debt Accumulation, Poster 53—MBH Great Hall at 2:45 p.m.

Barovick, Jeremy '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster F—MBH 338 at 2:45 p.m.

Barr, Matt '17.5: U-Pb Dating of Calcite Veins in the Champlain Valley: Constraints on Post-Paleozoic Rejuvenation in the Eastern North American Margin—MBH 538 at 2:10 p.m.

Barrozo, Marcos '17: The Straight Path to Nutrition: Roads and Weather Shocks in Nigeria—MBH 411 at 2:30 p.m.

Barter, Lily '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster G—MBH 338 at 10:30 a.m.

Barua, Shougat '19: RIVIR (Remote Inspection Vehicle with Infrared), Poster 40—MBH Great Hall at 2:45 p.m.

Bashor, Laura '17: Elevation as a Driver of Lyme Disease Dynamics: Density, Phenology, and *Borrelia burgdorferi* Infection Rate of *Ixodes scapularis* Ticks in Central Vermont, Poster 27—MBH Great Hall at 10:30 a.m.

Bayer, Amanda '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster F—MBH 338 at 10:30 a.m.

Best, Mackenzie '17.5: Geochemical and Petrographic Analysis of Volcanic Rocks from North Haven Island, Penobscot Bay, Maine, Poster 41—MBH Great Hall at 2:45 p.m.

Blackburn, Hannah '17: Do Famines Happen in Democracies?—MBH 219 at 3:30 p.m.

Blake, Matthew '17: The Varieties of Religious Experience, Poster 7—MBH Great Hall at 10:30 a.m.; Muriel Rukeyser's Journey to Ajanta—MBH 104 at 11:35 a.m.

Blodgett, Kyler '17: A Unique Aid?: Towards a Placement Logic of Peace Corps Volunteers in Africa—MBH 403 at 9:15 a.m.

Blose, Elizabeth Noelle '17.5: The Quantum Hall Effect—MBH 438 at 11:15 a.m.

Brady, Jacob '17: Observatory Stargazing, Poster 58—MBH Great Hall at 2:45 p.m.; Stargazing—MBH Observatory at 9:00 p.m.

Brannam, Alanna '19: Examining the Relationship between Self-Determination Theory's Basic Needs Satisfaction and Organizational Citizenship Behavior, Poster 34—MBH Great Hall at 2:45 p.m.

Braun, Tatum '20: Observatory Stargazing, Poster 58—MBH Great Hall at 2:45 p.m.; Stargazing—MBH Observatory at 9:00 p.m.

Brisson, Jack '19: *Maus*: Uncovering Images of Fathers and Sons—MBH 411 at 9:35 a.m.

Brown, Asher '19.5: What Is the Good Life and How Do We Live It Together? Group 1, Poster E—MBH 338 at 10:30 a.m.

Brown, Jake '17: The Political Response to State Abuse of Power: Evidence from the NYPD—MBH 303 at 11:15 a.m.

Burlant, Natalie '17: A Limit to Learning?: Effects of Plasticity on Brain Energy Utilization—MBH 216 at 3:30 p.m.

C

Caci, Nicole '17: ISIS Recruitment in the West: New Media and the Creation of a Global Terrorist Network—MBH 311 at 1:30 p.m.

Caffry, Sarah '17: The Relationship between Adaptive Functioning and Well-Being: A Self-Determination Theory Perspective, Poster 19—MBH Great Hall at 10:30 a.m.; Moderators of Self-Compassion as It Relates to Prosocial Compassion and Helping Intentions—MBH 216 at 11:55 a.m.

Cage, Spencer '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster I—MBH 338 at 2:45 p.m.

Cartwright, Samuel '18: Observatory Stargazing, Poster 58—MBH Great Hall at 2:45 p.m.; Stargazing—MBH Observatory at 9:00 p.m.

Cating, Caroline '16.5: Perceptions of Slang in Iberian Spanish: The Case of Caló Loanwords—MBH 411 at 11:55 a.m.

Chang, Renee '17: “Optical Politics”: Film and Spectatorship in David Foster Wallace’s *Infinite Jest*—MBH 411 at 12:35 p.m.

Chen, Jessica '17: Unraveling the Geologic History of Midcoastal Maine: The Edgecomb Gneiss, Poster 37—MBH Great Hall at 2:45 p.m.

Cheng, Birgitta '17: Examining the Effects of Contraceptive Mandates on the Black-White Birth Gap—MBH 220 at 12:15 p.m.

Childs, Julianna '17.5: Negotiating Resource Access in a Changing World—MBH 104 at 1:30 p.m.

Cho, Dan '19.5: What Is the Good Life and How Do We Live It Together? Group 1, Poster C—MBH 338 at 10:30 a.m.

Choi, Sylvia '19: The Kalahari San: The Exploitation on “Primitivity” and “Indigeneity”—MBH 219 at 2:10 p.m.

Christensen, Brenna '17: Conceptions of Madness in Post-Soviet Spaces—MBH 216 at 4:10 p.m.

Cipriani, Emily '19.5: Shifting Gears: Vocational Education and the Transformation of the Chinese Economy—MBH 303 at 1:30 p.m.

Cohen, Aliza '17: “Willie Horton Syndrome”: A Case Study in the Transformation of United States Penal Culture—MBH 303 at 9:15 a.m.

Conde, Francesca '17: Women of the Islamic State: Social Media, State Creation, and Sisterhood—MBH 438 at 2:10 p.m.

Corzine, Zara '17: Exposing Interior Identity: A New Perspective on Ornament in the Bodies of Klimt’s Society Portraits—MBH 219 at 4:10 p.m.

Cowan, Annie '18: RIVIR (Remote Inspection Vehicle with Infrared), Poster 40—MBH Great Hall at 2:45 p.m.

Cowap, Alden '17: Who Scheduled the Meeting? Gender Biases in Group Initiatives—MBH 411 at 9:15 a.m.

Cowell, Thomas '17: Thermal Decomposition of Thiophene—MBH 403 at 12:15 p.m.

Cox, Emily '17: *Le Chat du Rabbín*: The Woman Hidden in the Body of a Speaking Cat, Poster 21—MBH Great Hall at 10:30 a.m.

Crnogorcevic, Milena '17: The Coevolution of Postmerger Galaxies and Dust-Reddened Quasars—MBH 311 at 2:10 p.m.; Observatory Stargazing, Poster 58—MBH Great Hall at 2:45 p.m.; Stargazing—MBH Observatory at 9:00 p.m.

D

Davy, Jerrica '17: Women and Buddhism in Charles Johnson’s *Oxherding Tale*—MBH 104 at 11:55 a.m.

Dawson, Mariah '17: Disrupting Unhealthy Health Policy: The Lack of Endocrine Disruptor Education in Health Policy at a State Level, Poster 5—MBH Great Hall at 10:30 a.m.

de Beer, Miranda-Max '19: Steps toward Reproductive Justice: A Middlebury 5k, Poster 61—MBH Great Hall at 2:45 p.m.

Delehanty, Nicholas '17: “A Man’s Rights Are Not to Be Measured by His Economic Status”: The La Follette Civil Liberties Committee and Moral Authority in the New Deal—MBH 219 at 1:50 p.m.

Diak, Christopher '18.5: Protein Bioengineering in the Ubiquitin-Proteasome System, Poster 3—MBH Great Hall at 10:30 a.m.

Dils, Tom '17: Mapping Alistair MacLeod: A Digital Storytelling Project, Poster 28—MBH Great Hall at 10:30 a.m.

Dohan, Sarah '17: From Parlor Moralists to Classroom Scientists: Female Normal School Students’ Use of Nature-Study to Professionalize Public Education and Expand the Woman’s Sphere—MBH 538 at 2:30 p.m.

Doherty, Bennett '18: RIVIR (Remote Inspection Vehicle with Infrared), Poster 40—MBH Great Hall at 2:45 p.m.

Dulik, Charlie '17.5: Crossover: Basketball, Public Space, and Spectacle in Mexico—MBH 438 at 1:50 p.m.

E

Ellsworth, Nolan '17: The Traveling Folktale: Exploring Cross-Cultural Storytelling through Devised Theatre—MBH 104 at 9:35 a.m.

English, Melanie '17: Rewriting “Happily Ever After”: Subversion of Traditional Fairytale Tropes in Creative Writing—MBH 220 at 3:50 p.m.

Espy, Josh '17: Renovating Kalorama Lodge on Christine Lake, Poster 8—MBH Great Hall at 10:30 a.m.

F

Feldman, Catherine '18: Blue—MBH 411 at 4:30 p.m.

Felt, Rowen '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster D—MBH Great Hall at 2:45 p.m.

Fields, Alexandra '17: The Importance of Belonging: The Relation between Undergraduate Student Expectations and Stress, Poster 63—MBH Great Hall at 2:45 p.m.

Fine, David '17: Social Media and the Fear of Missing Out at Middlebury College, Poster 31—MBH Great Hall at 10:30 a.m.

Firestone, Amir Sohn '17: Ingredients of Integration: A Study of Collaborative Cooking Classes as Mechanisms of Social and Cultural Integration of Syrian Refugees in Germany—MBH 438 at 2:30 p.m.

Fisher, Adam '19: Child Witches of Kinshasa: Modernity and Anxiety—MBH 411 at 1:30 p.m.

Fisk, Eleanor '17: Emotion Regulation and Building Relationships: Socialization of Emotion in Early Childhood Classrooms—MBH 311 at 11:35 a.m.

Fleming, Will '17: Procrastination's College Cruelty, Poster 13—MBH Great Hall at 10:30 a.m.; In Search of Inclusion in Young-Adult Novels—MBH 216 at 1:30 p.m.

Floyd, Matt '17.5: The New Great Game in the Caucasus: Hydropower and Energy Security in the Republic of Georgia—MBH 219 at 11:55 a.m.

Forbush, Elaine '17: Climate Refugees in a Time of Nationalism: An Analysis of Europe's Political Discourse on Refugees—MBH 220 at 9:35 a.m.

Fossett, Sarah '17: Active Ingredients: Exploring the Key Factors Affecting the Rising Cost of Developing New Drugs—MBH 216 at 12:15 p.m.

Fouche-Channer, Addis '17: The Perpetual Foreigner: How Persisting Ideas of Exoticization, Otherness, and Discrimination Plague Chinese Cinema—MBH 303 at 2:30 p.m.

Freedman, Ben '19: From Japan to Rome: Homophonic Translation as Exploration—MBH 538 at 4:30 p.m.

G

Ganesan, Shubha '17: Is It Easy Being Green? Exploring the Relationship between LEED-Certified Buildings and Gentrification in Chicago, Illinois—MBH 311 at 3:50 p.m.

Garber, Nick '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster B—MBH 338 at 2:45 p.m.

Gebremariam, Hana '17: “I Miss Greens, but Not Kale”: A Qualitative Analysis of Black and Latina Women's Experiences with Food at Middlebury College—MBH 216 at 9:35 a.m.

Geilker, Ivy '19.5: What Is the Good Life and How Do We Live It Together? Group 2, Poster C—MBH 338 at 2:45 p.m.

Ghassemi, Hosain '17: Bridging the Gap: Using 3D Computer Animation to Explain Processes in *Borrelia burgdorferi*, Poster 15—MBH Great Hall at 10:30 a.m.

Gilbert, Conner '19: What Is The Good Life and How Do We Live It Together? Group 1, Poster H—MBH 338 at 10:30 a.m.

Gilbert, Yasmine '17: The Patient's Experience of Conventional and Alternative Approaches to Biomedicine: Ambivalence, Autonomy, and Rationality—MBH 219 at 11:35 a.m.; Community Health Worker Pay and Workload: The Case of Ethiopia's Women's Development Army, Poster 55—MBH Great Hall at 2:45 p.m.

Goldenberg, Josh '18: Characterizing Six Genotypes of the Cholinergic Receptor Nicotinic Alpha 7 Genes CHRNA7 and Duplication CHRFAM7A with TaqMan, Poster 42—MBH Great Hall at 2:45 p.m.

Gomez, Malik '18: The Role of Astn2 in Neurodevelopment, Poster 36—MBH Great Hall at 2:45 p.m.

Grant, Andrew '17: Investigating Effects of Xenoestrogenic Chemicals on Digit Development in the CD-1 Mouse—MBH 411 at 3:30 p.m.

Green, Elizabeth '17: Intraspecific Variation in Morphology of Larval Amphibians and the Influence of Morphology on Predator-Prey Interactions, Poster 30—MBH Great Hall at 10:30 a.m.

Greene, Katy '17: Negotiating Resource Access in a Changing World—MBH 104 at 1:30 p.m.

H

Hack, Madelaine '17: Infectious Diseases as Threats to Security? A Case Study on the West African Ebola Virus Disease Outbreak of 2014–2016—MBH 216 at 11:35 a.m.

Haigh, Hollie '19: Voting Behavior in General Elections versus Referenda: An Analysis of the UK—MBH 303 at 12:15 p.m.

Haik, Amanda '17: Third-Party Perceptions of Infidelity Based on Gender and Type of Infidelity: Using Same-Sex Couples, Poster 25—MBH Great Hall at 10:30 a.m.

Haque, Sabina '18: Modeling Neurodegenerative Diseases in *S. cerevisiae*—MBH 438 at 4:30 p.m.

Harrison, Catherine '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster G—MBH 338 at 2:45 p.m.

Hawthorne, Ben '17: Who's Next? Predicting and Understanding the Islamic State's Overseas Expansions—MBH 303 at 9:55 a.m.

He, Jing '17: Hydrodynamic Modeling of Lake Champlain—MBH 438 at 3:30 p.m.

Heiser, Jonah '17: Light and Darkness: Language and Experience in the Christian Mystical Tradition—MBH 538 at 3:50 p.m.

Herscowitz, Jack '20: Keith Jarrett's 1975 Köln Concert: African, European, and South Asian Musical Syncretism in American Jazz—MBH 311 at 9:35 a.m.

Hilscher, Cole '17: Creating an Online Card Game, Poster 39—MBH Great Hall at 2:45 p.m.

Hogan, David '17: Bridging the “Yawning Gap”: Richard C. Patterson, John Moors Cabot, and the Transformation of U.S. Embassy Policy in Yugoslavia from 1946 to 1948—MBH 311 at 9:55 a.m.

Hsiang, Harrison '17: Why Do We Need to Sleep? Synaptic Homeostasis and the Need for Sleep—MBH 303 at 4:10 p.m.

Huffman, Peter '17: Building the Middlebury Language Tables Web App—MBH 438 at 11:55 a.m.

Huntington, Holton '19.5: What Is the Good Life and How Do We Live It Together? Group 2, Poster C—MBH 338 at 2:45 p.m.

Hussein, Mohamed '17: Do Bilinguals Behave Differently Depending on Language? Investigating the Foreign-Language Effect among Balanced Bilinguals—MBH 216 at 4:30 p.m.

Hwang, Grace '19.5: What Is the Good Life and How Do We Live It Together? Group 1, Poster G—MBH 338 at 10:30 a.m.

Hyman, Mikayla '20: Modernization and Manipulation: The Decline, Preservation, and Implications of Minority Language Use in Russia—MBH 411 at 11:35 a.m.

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Indrelie, Sean '17: Does Access to Methadone Maintenance Treatment Reduce Opiate-Related Deaths?—MBH 220 at 11:55 a.m.

Irizarry, Paul '17: Reading for Children in Rural China: Misconceptions on Effective Reading Practices by Rural Chinese Caregivers—MBH 311 at 11:15 a.m.

J

Jabari, Razan '18: Media Portrayals of Palestinians and Israelis in Anglophone Countries—MBH 219 at 10:15 a.m.

Jackson, Allen '17: Examining Labor Force Outcomes from the Vietnam War: Volunteers versus Draftees, Poster 18—MBH Great Hall at 10:30 a.m.

Jia, Huirong '17: Between East and West: Cosmopolitanism in the 18th Century—MBH 220 at 10:15 a.m.

Jiang, Jingchen '18: A Path to Heaven: Reinterpreting Two Western Wei Mogao Caves—MBH 104 at 11:15 a.m.

Johnson, Jen '18: RIVIR (Remote Inspection Vehicle with Infrared), Poster 40—MBH Great Hall at 2:45 p.m.

Jun, Jinseul '17: The Importance of Access in Understanding Disability and Political Reality for Disabled Jordanians—MBH 538 at 11:15 a.m.

K

Kellogg, Camille '17: Stifled with Filth: The Body as Critique of Mankind in *Gulliver's Travels* and *Ulysses*—MBH 411 at 9:55 a.m.

Kendrick, Julia '17: Observatory Stargazing, Poster 58—MBH Great Hall at 2:45 p.m.; Stargazing—MBH Observatory at 9:00 p.m.

Kern, Sebastian '17: Falling Out of Love with Democracy: Evidence from Mauritius, South Africa, and the United States—MBH 403 at 1:50 p.m.

Ketchabaw, Brian '20: In Search of Inclusion in Young-Adult Novels—MBH 216 at 1:30 p.m.

Khanna, Akhila '17: The Traveling Folktale: Exploring Cross-Cultural Storytelling through Devised Theatre—MBH 104 at 9:35 a.m.

Kim, Hye-Jin '17: The Baking of “Granola Privilege”: Outdoors Orientation at Middlebury College—MBH 216 at 10:15 a.m.

Kimm, Mandy '17: Embodied Research: Senior Theses in Dance—MBH 220 at 1:30 p.m.; Dance History in the U.S.: Embodying Alternative Humanity—MBH 220 at 4:30 p.m.

Kircher, Cora '20: The Maasai: Colonial Impacts on Gender Roles, Spatial Alienation, and Reallocation, and the Dichotomization of Food and Space—MBH 411 at 10:15 a.m.

Klammer, Noah '17: Smart Tracking to Increase the Efficiency of the Middlebury College Solar Farm—MBH 403 at 12:35 p.m.

Koenigsberg, Sarah '17: Putative Interaction between Branch Site and 5' Splice Site during the Exon-Ligation Conformation of Splicing, Poster 56—MBH Great Hall at 2:45 p.m.

Koide, Jen '17: Trigger Warnings: A Preliminary Empirical Investigation, Poster 60—MBH Great Hall at 2:45 p.m.; Perceptions of Spanish Language and Culture in American Advertisements—MBH 538 at 3:30 p.m.

L

Lake, Sarah '17: Assembly of a Fiber-Optic Probe for Raman Spectrographic Analysis—MBH 403 at 11:35 a.m.

Lamont, Samantha '17: Mixed-Race Identity on Facebook—MBH 219 at 3:50 p.m.

Lantigua, Nicole '17: Carnegie Libraries: An Investigation on the Impact of the Presence of the Libraries on Literacy Rates across the United States between 1890 and 1930—MBH 403 at 10:15 a.m.

Laurence, Colin '17: Biomedical Optics: Looking Inside Things by Shooting Lasers at Them—MBH 403 at 11:55 a.m.

Leech, Brendan '19: What Is the Good Life and How Do We Live It Together? MBH Group 1, Poster H—MBH 338 at 10:30 a.m.

LeGardeur, Lea '17: Negotiating Resource Access in a Changing World—MBH 104 at 1:30 p.m.

Leiter, Sophie '18: Glaciofluvial Sediment Deposition at the Outwash Plain of Seljavallajökull Outlet Glacier, South Iceland—MBH 438 at 10:15 a.m.

Leong, Adrian '16.5: Cultivating Legitimacy and Deconstructing Indigeneity: The Case of a Community Farm in Hong Kong—MBH 403 at 1:30 p.m.

Lessing, Alexie '19: Beyond NGO Lines: A Window into Jukuku, Northern Ghana—MBH 403 at 9:35 a.m.

Lock, Jason '17: Magical Thinking in Competition, Poster 4—MBH Great Hall at 10:30 a.m.

Logue, Madeline '17: Does Universal, Free Prekindergarten Encourage Female Labor Force Participation? Poster 52—MBH Great Hall at 2:45 p.m.

Lorton, Eleanor '17: Coping Mechanisms and College Students' Stress: An Investigation, Poster 9—MBH Great Hall at 10:30 a.m.

Luong, Ngor '19: Shifting Gears: Vocational Education and the Transformation of the Chinese Economy—MBH 303 at 1:30 p.m.

M

Maniram, Shuba '17: Whiteness: Understanding Identity through the Cultural Imagination—MBH 411 at 11:15 a.m.

Margiotta, Irene '19: In Search of Inclusion in Young-Adult Novels—MBH 216 at 1:30 p.m.

Martinez, Tiffany '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster G—MBH 338 at 2:45 p.m.

Matsuda, Morgan '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster I—MBH 338 at 10:30 a.m.

Maxwell, Michaela '17.5: Experiencing Womanhood as a Buddhist Nun—MBH 104 at 12:15 p.m.

McElroy, Leo '18: MiddMakers: Bringing Ideas into the World—MBH 216 at 9:55 a.m.

Mckee, Jimmy '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster B—MBH 338 at 10:30 a.m.

McNeill, Kirsten '18: Optical Fiber Dispersion and Nonlinear Effects on Ultrashort Laser Pulses, Poster 12—MBH Great Hall at 10:30 a.m.

McShan, Holley '19.5: What Is the Good Life and How Do We Live It Together? Group 1, Poster C—MBH 338 at 10:30 a.m.

Mellen, Emily '17: Negative Cognitions and PTSD: Using N400 and Reaction Time Measurements to Assess Semantic Expectancy Biases in Trauma Survivors—MBH 403 at 4:10 p.m.

Merchant, Julie '17: In Vivo Optogenetic Acidification of Synaptic Vesicles in *C. elegans*—MBH 403 at 11:15 a.m.

Meredith, Tucker '17: Geochemical Analysis and Origin of Uranium in Groundwater Wells in the Clarendon Springs, Skeels Corner, and Danby Formations, Colchester/Milton, Vermont, Poster 54—MBH Great Hall at 2:45 p.m.

Mergy, Caius '17: Learning to Love: The *Meditations* of Marcus Aurelius—MBH 104 at 9:15 a.m.

Milbury, Corrine '16.5: Social Media and the Fear of Missing Out at Middlebury College, Poster 31—MBH Great Hall at 10:30 a.m.

Miller, Emily '17: Building a Wavelength-Tunable Two Photon Microscope to Image GFP and mEos2 Fluorescent Proteins, Poster 44—MBH Great Hall at 2:45 p.m.

Mills, Ariana '17: Science, Support, and Sexual Trauma—MBH 216 at 11:15 a.m.; Investigating the Role of the KLHL9 Gene through CRISPR/Cas9-Mediated Deletion, Poster 49—MBH Great Hall at 2:45 p.m.

Mills-Andruk, Matea '18.5: Envisioning Feminist Science at Middlebury, Poster 35—MBH Great Hall at 2:45 p.m.

Monette, Patrick '17: The Intriguing “War” between Science and Christianity—MBH 219 at 11:15 a.m.

Moore, Katrina '17: Pavlov’s Dog, Poster 14—MBH Great Hall at 10:30 a.m.

Morgan, Maddison '18: Human Gene Expression Rescues Mevalonate Pathway Defects in Yeast—MBH 411 at 3:50 p.m.

Morris, Rachael '17: Investigating a Mechanism for Contaminant Uptake by Organically Modified Clays—MBH 219 at 12:35 p.m.

Morrison, Daryl '18.5: Research Proposal: Sleep Treatment Efficacy in Schizophrenic Individuals with Severe Symptoms, Poster 38—MBH Great Hall at 2:45 p.m.

Morton, Mika '19: Steps toward Reproductive Justice: A Middlebury 5k, Poster 61—MBH Great Hall at 2:45 p.m.

Moynihhan, Maeve '17: “Stolen Is Our Land, Education Is Our Stand!” Mexican-American Educational Access and Activism, University of Colorado, Boulder, 1968-1979—MBH 303 at 11:35 a.m.

Muck, Alexandra '17.5: Women’s Rights, Social Reform, and That One Time with the Shotgun—MBH 220 at 4:10 p.m.

Mueller, Tabitha '18: Prison Gerrymandering: How Rural Prisons Are Removing Funding and Votes from Urban Areas, Poster 22—MBH Great Hall at 10:30 a.m.; Negotiating Resource Access in a Changing World—MBH 104 at 1:30 p.m.

N

Nagy, Erzsebet '17: Caffeine, Your Genes, and What It All Means: Effect of Caffeine Metabolism Genotype on Caffeine Consumption Habits—MBH 311 at 3:30 p.m.

Naranjo, Anahi '17: Sagara Stories: Agrarian Narratives from the Women of the West Usambara Mountains, Tanzania—MBH 411 at 1:50 p.m.

Nazer, Maggie '17: Female Empowerment in Sierra Leone: Resistance and Solidarity—MBH 219 at 4:30 p.m.

Newhouse, Alex '17: Pirates and Populism: The Left-Wing Consolidation of Icelandic Antiestablishment Politics—MBH 303 at 11:55 a.m.

Nichols, Alex '17: Adding Depolarization Measurements to Raman Spectroscopy—MBH 403 at 3:30 p.m.

Nuss, Charlie '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster F—MBH 338 at 10:30 a.m.

O

Office, Emma '17: Characterization of an Otx2 Retinal Enhancer, Poster 48—MBH Great Hall at 2:45 p.m.

Ogle, Timothy '17: In Search of Inclusion in Young-Adult Novels—MBH 216 at 1:30 p.m.

Ohl, Kristina '17: Tree Huggers in Tampolo: Habitat Preferences for Three Nocturnal Lemur Species in Tampolo Protected Forest—MBH 411 at 4:10 p.m.

O'Neill, Katie '17.5: Science, Support, and Sexual Trauma—MBH 216 at 11:15 a.m.

Ortega, Melissa '17: Narratives of Lynching in the *Los Angeles Times*: The Stories of Francisco Torres and Jesus Fuen—MBH 219 at 9:55 a.m.

Ortiz-Burnham, Adriana '17: Work Hard, Play Harder: Invisible and Unpaid Student Labor Outside the Classroom—MBH 303 at 3:30 p.m.

Ou, Norris '17: Social Media and the Fear of Missing Out at Middlebury College, Poster 31—MBH Great Hall at 10:30 a.m.

Ovalles-Misterman, Emilio '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster B—MBH 338 at 10:30 a.m.

P

Pan, Audrey '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster B—MBH 338 at 2:45 p.m.

Pandya, Jiya '17: Speaking Their Truths: An Analysis of Middlebury’s First Sexual Harassment Policy and Campus Community Attitudes Surrounding Sexual Harassment between 1983 and 1989—MBH 216 at 9:15 a.m.

Parker, Brittany '17: Crafting a Teaching Philosophy: A Portfolio Presentation—MBH 311 at 11:55 a.m.

Parker, Jack '19: The Structure of Poetry—MBH 438 at 12:15 p.m.

Pascual, MJ '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster D—MBH 338 at 10:30 a.m.

Patz, Evan '17: Nuclear Magnetic Resonance Field Regulation at CERN, Poster 6—MBH Great Hall at 10:30 a.m.

Payne, Emory '18: Investigating a Mechanism for Contaminant Uptake by Organically Modified Clays—MBH 219 at 12:35 p.m.

Pester, Andrew '17: Embodied Research: Senior Theses in Dance—MBH 220 at 1:30 p.m.

Peterson, Spence '18: Negotiating Resource Access in a Changing World—MBH 104 at 1:30 p.m.

Picardi, Emma '17.5: Convene: An Open Invitation for Civil Engagement, Poster 59—MBH Great Hall at 2:45 p.m.

Preston, Katherine '17: How ISIS Administered Its Way to Dominance in Syria—MBH 220 at 11:35 a.m.

Pritchard, Robert '19: RIVIR (Remote Inspection Vehicle with Infrared), Poster 40—MBH Great Hall at 2:45 p.m.

Proctor, Atticus '18: Investigating the Origins of Clays in Alpine Soils in the Uinta Mountains, Utah—MBH 311 at 1:50 p.m.

Pronovost, Maddie '17: The Influence of Hanna Somatic Practice on Flexibility and Proprioception in Young-Adult Athletes, Poster 10—MBH Great Hall at 10:30 a.m.

Q

Quenneville, Dylan '18: A Plane-Based Approach to Mondrian Stereo Matching—MBH 438 at 4:10 p.m.

Quintanilla, Sabrina '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster A—MBH 338 at 2:45 p.m.

R

Rahman, Minhaj '19.5: What Is the Good Life and How Do We Live It Together? Group 2, Poster H—MBH 338 at 2:45 p.m.

Ramcharitar, Benjamin '17: Next-Generation Taxonomic Guide to Freshwater Zooplankton, Poster 62—MBH Great Hall at 2:45 p.m.

Redmon, Hannah '20: Steps toward Reproductive Justice: A Middlebury 5k, Poster 61—MBH Great Hall at 2:45 p.m.

Reed-Kelly, Oisín '17: Measuring the Impact of Gentrification on Individual and Aggregate Voting Behavior in Chicago and Boston Municipal Elections—MBH 538 at 11:35 a.m.

Regenauer, Kristen '17: Is Moral Disengagement Contagious? The Effect of Peers on Moral Disengagement, Poster 50—MBH Great Hall at 2:45 p.m.

Reid, Erin '17: Reblogging and Resistance: Constructing an Oppositional Black Feminist Aesthetic on Social Media—MBH 303 at 12:35 p.m.

Reider-Smith, Charlotte '19: What Is the Good Life and How Do We Live It Together? MBH Group 2, Poster F—MBH Great Hall at 2:45 p.m.

Renner, Eliza '18: In Search of Inclusion in Young-Adult Novels—MBH 216 at 1:30 p.m.

Richter, Cecelia '17.5: Coping Mechanisms and College Students' Stress: An Investigation, Poster 9—MBH Great Hall at 10:30 a.m.

Robart, Sophie '17: What Led to the Islamic State (ISIS)?—MBH 403 at 3:50 p.m.

Roe, Haley '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster A—MBH 338 at 2:45 p.m.

Ronai-Durning, Emma '18: U.S.-China Comparison: Youth Engagement in the Common Good—MBH 303 at 1:50 p.m.

Rose, Ben '17.5: On an Average Day: An Independent Study in Scenic Design, Poster 47—MBH Great Hall at 2:45 p.m.

Rubinstein, David '18: The Image of the Eastern European Jew in the Making of German-Jewish Identity, 1850-1914—MBH 219 at 9:15 a.m.

S

Sadeh, Nimrod '17.5: The Leading Digit Law in Nature and Chaos—MBH 438 at 11:35 a.m.

Santos, Gabbie '17: Overseas Filipino Workers (OFWs): New Heroes or Obstacle to Development?—MBH 220 at 9:55 a.m.

Schermerhorn, Michael '18: Atom's Tomb—MBH 538 at 1:50 p.m.

Schultz, Grant '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster D—MBH 338 at 10:30 a.m.

Schumacher, Alessandria '17: Health, Physical Activity, and Rural Environments—MBH 538 at 11:55 a.m.

Scott, Sarah '17: Representations of Disability in Maoist China 1949-1976—MBH 303 at 2:10 p.m.

Sexton, Ian '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster I—MBH 338 at 2:45 p.m.

Shotton, Charlie '18: Those Who Worked, Those Who Fought, and Those Who Played: Exploring Scenes of Clerical Homosexuality in the Middle Ages—MBH 303 at 10:15 a.m.

Silverstein, Jay '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster A—MBH 338 at 10:30 a.m.

Simon, Jonah '18: RIVIR (Remote Inspection Vehicle with Infrared), Poster 40—MBH Great Hall at 2:45 p.m.

Simonds, Jack '17: Coping Mechanisms and College Students' Stress: An Investigation, Poster 9—MBH Great Hall at 10:30 a.m.

Sinha, Priyanjali '18: Shifting Gears: Vocational Education and the Transformation of the Chinese Economy—MBH 303 at 1:30 p.m.

Sinks, Mark '17: Relationships between Home-Range Size, Hippocampal Cell Proliferation, and Testosterone in Wild Male Meadow Voles (*Microtus pennsylvanicus*), Poster 20—MBH Great Hall at 10:30 a.m.

Smith, Andrew '17: "In Suffering, a Dazzling Light": Jewish Historiography in the Debate over Zionism, 1837-1919—MBH 219 at 9:35 a.m.

Smith-Randle, Terumi '17: Coping Mechanisms and College Students' Stress: An Investigation, Poster 9—MBH Great Hall at 10:30 a.m.

Snyder, Sam '17: Understanding Sleep Function through Patterns of Brain Activity—MBH 303 at 4:30 p.m.

Sohn, Jin-Mi '18: Shifting Gears: Vocational Education and the Transformation of the Chinese Economy—MBH 303 at 1:30 p.m.

Spillane, Randy '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster E—MBH 338 at 10:30 a.m.

St. Amour, Matthieu '17: Green Dot Bystander Intervention: Does It Reduce College Sexual Violence Rates?—MBH 220 at 11:15 a.m.

Stanton, Eric '17: Organo Chromium Polymers as Molecular Wires, Poster 29—MBH Great Hall at 10:30 a.m.

Stasior, Elizabeth '17.5: The Three French Estates of 1789: Set in Oil Paintings, Poster 46—MBH Great Hall at 2:45 p.m.

Staveley-O'Carroll, Ciara '19.5: What Is the Good Life and How Do We Live It Together? Group 1, Poster A—MBH 338 at 10:30 a.m.

Stephens, Travis '17: The Sharing Economy: Understanding the Distortionary Effects of Airbnb on Residential Rents—MBH 403 at 9:55 a.m.

Stimson, Grace '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster D—MBH 338 at 2:45 p.m.

Stoner, Andrew '17: Striking a Balance Within: Characterizing Putative Efflux Transporters in the Oral Pathogen *Streptococcus mutans*, Poster 24—MBH Great Hall at 10:30 a.m.

Stratton-Smith, Jeremy '17: In Search of Inclusion in Young-Adult Novels—MBH 216 at 1:30 p.m.; Generalizing Adinkra-like Structures onto Graphs of Symmetry Groups, Poster 51—MBH Great Hall at 2:45 p.m.

Surdoval, Alison '17: How Can Farmers' Markets Enhance Urban Food Access? A Spatial and Temporal Investigation of Farmers' Markets and Food Deserts in Washington, D.C., Poster 2—MBH Great Hall at 10:30 a.m.

Swett, Sara '17: The Interconnectedness of Women in Iringa, Tanzania: Their Stories, Constraints, Resistance, and Relational-Esteem—MBH 403 at 2:30 p.m.

T

Thomson, Henry '17: The Biopower of Organic Intellectuals: Reconciling Foucault and Gramsci to Investigate the Socionature of Community-Supported Kitchens, Poster 43—MBH Great Hall at 2:45 p.m.

Tong, Annie '19: Reading for Children in Rural China: Misconceptions on Effective Reading Practices by Rural Chinese Caregivers—MBH 311 at 11:15 a.m.

Toth, Evelin '17: Community Engagement in Sustainable Resource Use and Management in Montseny's and the Channel Islands' Biosphere Reserves—MBH 438 at 9:55 a.m.

Tourgee, Heather '17: Reflections on Climate Change and Loss on the U.S. Gulf Coast—MBH 538 at 12:15 p.m.

Toy, Karina '17: Solar Power Development in Vermont and Jordan—MBH 438 at 9:35 a.m.

Travis, Avery '18: Observatory Stargazing, Poster 58—MBH Great Hall at 2:45 p.m.; Stargazing—MBH Observatory at 9:00 p.m.

Treesh, Claire '17: Securitization of Immigration in American Discourse—MBH 219 at 1:30 p.m.

Treiman, Gregory '19: Pentecostalism and Pan-Africanism: A Path Forward—MBH 311 at 10:15 a.m.

Trotz-Liboff, Leo '17: The Political Tragedy of Aeschylus and Thucydides—MBH 219 at 2:30 p.m.

V

Valle Flores, Dorosi '17: Procrastination's College Cruelty, Poster 13—MBH Great Hall at 10:30 a.m.

Vaughan, Sophie '17: And the Weak Suffer What They Must?: Responses to Austerity Policy in Greece and Spain—MBH 311 at 9:15 a.m.

Voncuji, Sena '17: African Leadership University: Rethinking Education in Africa—MBH 411 at 2:10 p.m.

W

Wang, Felix '16.5: On the Efficiency of Bio-inspired Dual-Wing Generator—MBH 438 at 3:50 p.m.

Wang, Qingying '17: Power, Art, or Identity: A Study on French Gardens during the 17th and 18th Centuries, Poster 23—MBH Great Hall at 10:30 a.m.; Between Water and Garden, Poster 57—MBH Great Hall at 2:45 p.m.

Wasson, Luna '17: Reconstructing a Postglacial Mineral Dust Record in the Eastern Uinta Mountains, Utah, Poster 26—MBH Great Hall at 10:30 a.m.

Watson, Spencer '18: "Are You Insane?": Mental Illness and Cinematic Climaxes, Poster 32—MBH 331 at 10:30 a.m.

Webb, Maddie '17: School Choice and Crime: Has the Charter School Boom Affected Juvenile Crime Rates?—MBH 438 at 9:15 a.m.

Weed, Roo '18.5: Observatory Stargazing, Poster 58—MBH Great Hall at 2:45 p.m.; Stargazing—MBH Observatory at 9:00 p.m.

Weightman, William '17: The Paradox of Reform: Rising Inequality, the Welfare State, and Decentralized Governance in Modern China—MBH 403 at 2:10 p.m.

Weindling, Danielle '17: Horst Unbound: An Examination of Surrealist Vocabulary in *The Mainbocher Corset*—MBH 303 at 9:35 a.m.

Wetmore, Jenevra '17: Welcome Homo: Finding Queer in Rural Vermont—MBH 538 at 1:30 p.m.

Whitman, Jared '17: Thermal Cracking of Ethanethiol—MBH 311 at 4:30 p.m.

Wicaksono, Adara '17: The Addison Collective: Connect and Embrace, Poster 11—MBH Great Hall at 10:30 a.m.

Wijayapala, Oliver '17: Challenges of Learning Cantonese as a Native English Speaker—MBH 538 at 4:10 p.m.

Wilkinson, Emma '17: An Investigation of Mindfulness Dosages on College Students' Stress Reactivity—MBH 303 at 3:50 p.m.

Wilson, Mairin '17.5: Negotiating Resource Access in a Changing World—MBH 104 at 1:30 p.m.; Lead Testing in Drinking Water—MBH 311 at 4:10 p.m.

Winfield, Coumba '17: Let's Play Cell: Developing a Computer Game to Teach Cell Organelles, Poster 16—MBH Great Hall at 10:30 a.m.

Winseman, Erin '17: The Sound of Music: Dissonance and Harmony in *The Dead*—MBH 104 at 10:15 a.m.

Winsten, Corinne '19.5: What Is the Good Life and How Do We Live It Together? Group 2, Poster E—MBH 338 at 2:45 p.m.

Winters, Roger '17: Flippity Floppity: Investigating Specific Nucleotides in *Streptococcus mutans* that Are Essential for SloR Binding, Poster 45—MBH Great Hall at 2:45 p.m.

Wojciechowska, Klaudia '17: Displaced and Disoriented: Ethiopian Jews in Israel—MBH 220 at 9:15 a.m.

Wood, Sam '19: What Is the Good Life and How Do We Live It Together? Group 2, Poster H—MBH 338 at 2:45 p.m.

Work, Erin '18: Envisioning Feminist Science at Middlebury, Poster 35—MBH Great Hall at 2:45 p.m.

Wright, Kyle '19.5: Cultures of Consent and Sexuality among People with Developmental and Intellectual Disabilities—MBH 411 at 12:15 p.m.

Wu, Jingyi '17: Towards Interactive Objectivity in Social Science: Feminist Social Epistemologies, Methodological Debates in Social Science, and Quantitative Literacy—MBH 403 at 4:30 p.m.

Y

Yoshino, Michiko '17: The Construction of Moralistic Values in Hero Shows in Japan—MBH 438 at 1:30 p.m.

Z

Zavoico, Sebastian '17.5: Elevation as a Driver of Lyme Disease Dynamics: Density, Phenology, and *Borrelia burgdorferi* Infection Rate of *Ixodes scapularis* Ticks in Central Vermont, Poster 27—MBH Great Hall at 10:30 a.m.

Zhai, Wentao '17: Female Voices East and West: A Comparison between *Heroides 7* of Ovid and *Changmen Fu* of Sima Xiangru—MBH 104 at 9:55 a.m.

Zhou, Lulu '19: What Is the Good Life and How Do We Live It Together? Group 1, Poster I—MBH Great 338 at 10:30 a.m.

RESEARCH FUNDING AND SUPPORT AT MIDDLEBURY

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