2022 Spring Student Symposium

Art Exhibit G General Event O Oral Presentation P Poster Presentation R Prerecorded Presentation

Z Zoom Presentation

Friday, April 22

JOHNSON MEMORIAL BUILDING		
10:00am – 4:00pm	A Art Exhibits Art Exhibit	
MBH 104		
9:15am - 9:30am	O Opportunistic and Occupational Hunters: Understanding Dynamics of Sea Turtle Harvest in Southwest Madagascar Oral Presentation Presenters: Gabriel Lefkowitz '22	
9:35am - 9:50am	Democracy: A Cinemetic Poem Oral Presentation Presenters: Daphne West '23.5	
9:55am - 10:10am	O Exploration of Nutrient Limitation in the Little Colorado River, Grand Canyon, AZ Oral Presentation Presenters: Phoebe Brown '22.5	
10:15am — 10:30am	O The Power of Mapping: Transforming Data Points Into a Conservation Tool Oral Presentation Presenters: Kathryn Talano '22	
11:15am – 11:30am	O Underwater: Symbolism of Water & Hydrophilia in Queer Cinema Oral Presentation Presenters: Jean Wan '24	
11:35am – 11:50am	O The Middlebury Campus: A Documentary Oral Presentation Presenters: Riley Board '22, Cooper Kelley '22	
11:55am – 12:10pm	O Introducing MIMDB A Fullstack Application Oral Presentation Presenters: Jiaqi Li '22	
12:15pm – 12:30pm	O Taking 3D Pictures with a Pulsed Laser Oral Presentation Presenters: Sam Yurak '22	
1:30pm - 1:45pm	O To be Free is to be Yourself: How Authentic Selfhood leads to Humility and Selflessness Oral Presentation Presenters: Maximilian Stein '25	
1:50pm – 2:05pm	O Painting Though Extinction: The Representation and Reclamation of Sinixt Identity in Ric Gendron's Coming Home Oral Presentation Presenters: Alexis Welch '22.5	
2:10pm – 2:25pm	O From Italian Folk Traditions to TikTok Feeds: Problematizing Assumptions of Authorship in Music through the Dynamic History of "Bella Ciao" Oral Presentation Presenters: Massimo Sassi	

2:30pm – 2:45pm	O Homeland, Revolution, and Belonging: The Poetry of Marwan Makhoul in Translation Oral Presentation Presenters: Andrew Willis '22
3:30pm – 3:45pm	O Does Marijuana Reform Improve Racial Disparities in Incarceration Rates? Oral Presentation Presenters: Kavita Patel '22
3:50pm – 4:05pm	 'The Snitch': Analyzing the Role of Horizontal Surveillance at Middlebury College During the COVID-19 Pandemic Oral Presentation Presenters: Molly Gallagher '22
4:10pm – 4:25pm	O Well-being and Mental Health During the Pandemic Oral Presentation Presenters: Tim Hua '23.5
4:30pm – 4:45pm	O Gorham Lane Housing Research and Analysis Oral Presentation Presenters: Sarah Mines '24.5, Sarah Rifkin '24, Tyler Hadar '25, Beckett Pintair '24.5
MBH 216	
9:15am - 9:30am	O Modeling the Effect of Sleep Deprivation on Pain Sensitivity Oral Presentation Presenters: Carolyn (Carrie) Vanty '23.5
9:35am - 9:50am	O Mutual Aid & Health Outcomes in Haiti Oral Presentation Presenters: Cecilia Needham '22.5
9:55am – 10:10am	O Talking About Pandemic Losses Oral Presentation Presenters: Michele Young '22
10:15am - 10:30am	O Pain Processing at the Peripheral Sensory Level in Drosophila Melanogaster Oral Presentation Presenters: Edith Lopez '22
11:15am - 11:30am	O At the Intersection: The Housing Crisis and Opioid Crisis in Vermont Oral Presentation Presenters: Grace Getman '22
11:35am - 11:50am	O Assessing Needs of Low-Income Families in Vermont Oral Presentation Presenters: Grace Boyce '22.5, Patricia Alonso Rivera '22, Tai Nguyen '22
11:55am - 12:10pm	O Analyzing Lead in Vermont Schools Oral Presentation Presenters: Nicholas Brown '22, Evan Kelly '23, Evelyn Lane '23
12:15pm – 12:30pm	O Characterization of Viral and Bacterial Dynamics in Lake Champlain Cyanobacterial Harmful Algal Blooms Oral Presentation Presenters: Gifty Atanga '23, Briana Johnson '23
1:30pm - 1:45pm	O Maybe I'm Q? If I Was, This Is Exactly How I Would Do It: A Communicative Analysis of QAnon Organizing Logic and Content Formation Oral Presentation Presenters: Suria Vanrajah '22
1:50pm – 2:05pm	O Exploring the Feasibility of Integrating Generated Protocol Parsers into Operating Systems Oral Presentation Presenters: Wayne Wang '22.5
2:10pm – 2:25pm	O Strange Encounters of the Small Town Kind: On Spirit Possession, Kinship, and Memory Oral Presentation Presenters: Haegan O'Rourke '22.5

2:30pm – 2:45pm	Is the Job-to-Job Transition Rate Procyclical? Oral Presentation Presenters: Masataka Mori '23		
3:30pm – 3:45pm	Pathology as Fiction: The Myth of the Creative Mad Genius in Émile Zola's L'Œuvre Oral Presentation Presenters: Jacqueline Qiu '22		
3:50pm – 4:05pm	nstagram Innovation Among Disabled "Mommy Bloggers" Oral Presentation Presenters: Mary Moore '22.5		
4:10pm – 4:25pm	Programming Music: The Art of Live Coding Oral Presentation Presenters: Lukka Wolff '25		
4:30pm – 4:45pm	Vulnerability: A Senior Thesis in Dance Oral Presentation Presenters: Chloe Zinn '22		
MBH 219			
9:15am — 9:30am	O Heredity Threat of Feebleminded Women: American Eugenic Thought in Missouri Asylums at the Turn of the Twentieth Century Oral Presentation Presenters: Mary Moore '22.5		
9:35am — 9:50am	O The Effect of Increased Access to IVF on Women's Career Oral Presentation Presenters: Lingxi Chen '22.5		
9:55am – 10:10am	O Reducing the Burden: Does Access to Mail-Order Abortion Pills Reduce Trips to Clinics? Oral Presentation Presenters: Frieda Violet Thaveethu '22		
10:15am - 10:30am	O Hormone Projects: Corporeal Correction, Conflict, and Confusion in the Age of Contraceptives Oral Presentation Presenters: Anna Wood '22		
11:15am - 11:30am	O Bad Romance: The Pyroptosis Executioner GSDME Finds a New Binding Partner Oral Presentation Presenters: Margaret Haberle '22		
11:35am – 11:50am	O Synchronization of Electrically Coupled Neurons Oral Presentation Presenters: Bryan Currie '22		
11:55am – 12:10pm	O Socialscape Ecology: Integrating Social Factors into Spatially-Explicit Marine Conservation Planning Oral Presentation Presenters: Katie Concannon '22		
12:15pm – 12:30pm	O Entaglement Entropy in Frustrated Quantum Ferromagnets Oral Presentation Presenters: Tao You '22.5		
1:30pm - 1:45pm	O Evaluating the Impacts of Living near Superfund Sites in New York City Oral Presentation Presenters: Christina Badalamenti '22		
1:50pm – 2:05pm	O Modeling the Secret Weapons of Cancer: An In Vitro System to Recapitulate Extrachromosomal DNA Formation in Tumor Cells Oral Presentation Presenters: Hieu Nguyen '23		
2:10pm – 2:25pm	Presenters: Hieu Nguyen '23 O Diversity in Start-up Fundraising: Gender, Race & Education Oral Presentation Presenters: Christian Poulsen '22		

2:30pm – 2:45pm	O Examining Theories of Change in the Northeast Native Plant Movement Oral Presentation Presenters: Brett Gilman '24.5	
3:30pm – 3:45pm	O A Comparison of eDNA Metabarcoding to Camera Trapping for Mammal Diversity in Bristol, VT Oral Presentation Presenters: Emma Norton '22	
3:50pm – 4:05pm	O Modeling Runoff in the New Haven River Watershed: A GIS-Based Approach Oral Presentation Presenters: Will Ebby '22	
4:10pm – 4:25pm	Local Farm Production Output Study for Food Hub Feasibility Oral Presentation Presenters: Aiden Snorek-Yates '22.5, Hannah Sullivan '22.5	
4:30pm – 4:45pm	O Dissolved phosphorus: Unique Indicator or Waste of Resources? Oral Presentation Presenters: Castin Stone '22	
MBH 220		
9:15am - 9:30am	O The Impact of Black Lives Matter Protests on Election and Policing Oral Presentation Presenters: Patrick Stevenson '22.5	
9:35am - 9:50am	O School Board Chaos: Impact of the Anti-Critical Race Theory Movement Oral Presentation Presenters: Celia Gottlieb '22	
9:55am – 10:10am	O "A Braid is Stronger": Weaving Decolonial Research Relationships Oral Presentation Presenters: Jaden Hill '22	
11:15am – 11:30am	O Stillness in Action: Exploring the Power of the Radical Resting Body Oral Presentation Presenters: Maia Sauer '22	
11:35am – 11:50am	O An Innovative, Highly Sensitive and Transferrable Tool for Neurocognitive Monitoring in Congenital Central Hypoventilation Syndrome (CCHS): the NIH Toolbox® Oral Presentation Presenters: Remi Welbel '22.5	
11:55am – 12:10pm	O Analysis of Latency Reversal and Anti-HIV Activity in South African Daphnane Diterpenes Oral Presentation Presenters: Nathan Levitties '23	
12:15pm – 12:30pm	O Antithrombotic Use And Bleeding Risk In Retrobulbar Anesthesia Oral Presentation Presenters: John Eschert '23.5	
1:30pm – 1:45pm	Development and Social Changes in Rural China Under the Rigorous Poverty Alleviation PolicyCase Study of Longtang Village in Guizhou Province, China Oral Presentation Presenters: Jessica (Zhanqi) Hong '24	
1:50pm - 2:05pm	O Statistical Methods in Olfactory Hardware Production Optimization Oral Presentation Presenters: Jiayi Chen '23, Bo Liu '23, Yiran(Steven) Shi '23	
2:10pm – 2:25pm	O Sacralizing Sunrise: The Religious Dimensions of the Sunrise Movement's Meta-Narrative and Ritualized Practices Oral Presentation Presenters: Connor Wertz '22	

2:30pm – 2:45pm	Imagining the Future: Christian Apocalypticism and the Modern Environmental Movement Oral Presentation Presenters: Olivia Sommers '22		
3:30pm – 3:45pm	O The Effects of AI on College Majors Oral Presentation Presenters: Maxwell Auborn '22		
3:50pm – 4:05pm	O "Grades Make Me Depressed": Re-evaluating Meaning Making in Our Grading Systems Oral Presentation Presenters: Emily Jones '23		
4:10pm – 4:25pm	he Rising Price of Higher Education: A Summary, Analysis, and Hopeful Solution ral Presentation resenters: Alex Demoly '22		
4:30pm – 4:45pm	Escaping Meritocracy? Why Korean and Chinese International Students Opt Out of Their Home Countries' Education Systems Oral Presentation Presenters: Raphaella Kim '22		
MBH 303			
9:15am — 9:30am	O The Impact of Second Language Background on The Sensitivity of Emotional Prosody Identification Oral Presentation Presenters: Yuka Tatsumi '22		
9:35am – 9:50am	O Learning Glottophobia: Examining Accent Preferences and Prejudices of Middlebury French Students Oral Presentation Presenters: Jennie Bob Bizal-Clark '22		
9:55am – 10:10am	O Han Song's "Ancient Desert Ship" and Other Stories in Translation Oral Presentation Presenters: Jackson Evans '22		
10:15am - 10:30am	O Issues in Translation: Arabic Short Literature Oral Presentation Presenters: Aidan Wertz '22		
11:15am - 11:30am	O Attitudes Towards Expanding the State Sector After Experiencing a Recent Recession Oral Presentation Presenters: Justin Cooper '22		
11:35am – 11:50am	O Double or Nothing: The Social Impact of Tribal Casinos on Native American Population Oral Presentation Presenters: Cynthia Chen '22		
11:55am – 12:10pm	O The Toll of a Pandemic: Interpellation, Biopolitics, and the Lived Experience of Moral Distress among Frontline Healthcare Workers during COVID-19 Oral Presentation Presenters: Kathryn van der Merwe '22		
12:15pm – 12:30pm	O Emotion, Rationality, Self-Actualization: Examining Tensions in Capitalism Through Brené Brown and Ray Dalio Oral Presentation Presenters: Caitlin Barr '22.5		
1:30pm - 1:45pm	O Conjuring Legitimacy: The Nabatean Agriculture in Translation Oral Presentation Presenters: Sofia Leathers '22		
1:50pm — 2:05pm	Presenters: Sofia Leathers '22 O Asian Americans Be(Long) in American History: Intricacies of Labor and Home Reflected in Asian American Literature Oral Presentation Presenters: Queenie Li '22		

2:10pm – 2:25pm	O Beds and the Spatial Dynamics of Power in the Odyssey Oral Presentation Presenters: Caitlin Barr '22.5		
2:30pm – 2:45pm	O Two Dantes and Everything in Between: Dostoevsky as a Key to Dante's Underworld Oral Presentation Presenters: David Williams '22.5		
3:30pm – 3:45pm	O A Window into Small Scale Fishing Dynamics: Community Perceptions and Indicator Family Relative Abundance and Biomass Oral Presentation Presenters: Gabriel Lefkowitz '22		
3:50pm – 4:05pm	O Geographies of Migration and Liminality: Placemaking on the Margins of the Calais Jungle Oral Presentation Presenters: Lily Laesch '23		
4:10pm – 4:25pm	O The Muslim Rebellion of 1864: A Regretted Jihad in Qing Xinjiang Oral Presentation Presenters: Indira Yuldasheva '22		
4:30pm – 4:45pm	O "We Will Not Let Our Future Burn": Interviews with Gen-Z Activists in the Myanmar Spring Revolution Oral Presentation Presenters: Molly Burnett '22.5		
MBH 311			
9:15am - 9:30am	O Petrology, Age, and Geochemistry of the Yarmouth Island Formation, Casco Bay, Maine Oral Presentation Presenters: Sophia Johnson '22		
9:35am – 9:50am	O Determining the Origin of Felsic Intrusions in the Champlain Valley Oral Presentation Presenters: Amanda Marks '22		
9:55am – 10:10am	O Shunning the Presence of People: Chinese Landscapes and the Artwork of Bambi Oral Presentation Presenters: Annaliese Terlesky '23.5		
10:15am – 10:30am	 Pronunciation and Appropriation: How Single-Word Choices Reveal the Intersections of Relationships, Identity, Context and Language Oral Presentation Presenters: Riley Board '22 		
11:15am – 11:30am	O Decoding Olfactory Receptors in Harpegnathos Saltator Oral Presentation Presenters: Benjamin Morris '22, Aiden Masters '22		
11:35am – 11:50am	O Mapping the Spread of Queer Inclusive Policies in Tokyo Wards Oral Presentation Presenters: Akari Tsurumaki '23		
11:55am – 12:10pm	O Exploring Community Building in an Immigrant Church Oral Presentation Presenters: Lauren Eskra '22		
12:15pm – 12:30pm	O Developmental Consequences of C-Section Delivery in Prairie Voles-(Microtus ochrogaster) Oral Presentation Presenters: Shriya Patel '22		
1:30pm – 1:45pm	O Impregnation, Contamination, and Lethal Melancholy: A Hysteric's Revenge in Sophocles' The Women of Trachis Oral Presentation Presenters: Hana Matsudaira '22		

1:50pm – 2:05pm	Dangerous Women: (De)Construction of the Gender Binary Through Ultra-Endurance Sports Oral Presentation Presenters: Hannah Gellert '22		
2:10pm – 2:25pm	The Body of a Nation: Ableism and Constructions of Masculinity Through Primary School Education in Modern China Oral Presentation Presenters: Mira Vance '22.5		
2:30pm – 2:45pm	O Ophelia Underwater: Designing Character through Costume Oral Presentation Presenters: Bella Costantino-Carrigan '22		
3:30pm – 3:45pm	Pandemic of Resilience: Creating an Active Reading Strategy to Pursue Resilience in Written and Film arratives of the Wuhan COVID-19 Lockdown ral Presentation resenters: Josh Sims Speyer '22		
3:50pm – 4:05pm	O Amateur Directing in the Real World Oral Presentation Presenters: Ryan Kirby '22		
4:10pm – 4:25pm	O Guston's Golems: Redemption and Revelation in the Late Works of Philip Guston (1969 - 1980) Oral Presentation Presenters: Hunter Parkhill '22		
4:30pm – 4:45pm	O The Effect of Republican Leaders' Testimonials on COVID-19 Vaccine Uptake in the United States Oral Presentation Presenters: Xiaoyu Wu '22		
MBH 317			
9:15am – 10:30am	O The Living Building Challenge - Envisioning Middlebury's Future Oral Presentation Presenters: Sanjana Roy '22, Clara Wolcott '22, Lauren Gemery '23, Grace Sokolow '24, Isabelle Gay '23.5		
11:15am – 12:30pm	O Education Studies Senior Seminar Research Projects Oral Presentation Presenters: Julia McClain '22, Leah Smith '22, Michelle Marquez '22, Katherine (Katie) Beadle '22.5, Dana Glackin '22, Bryn Hester '22, Lori Ngo '22, Emma Ramirez-Richer '22		
1:30pm – 1:45pm	O Moving Earth: Revolution, Labor, and Landscape in 20th-Century Egyptian Painting Oral Presentation Presenters: Rhys Glennon '22		
1:50pm – 2:05pm	Looking Within and Beyond Books During Mughal Emperor Jahangir's Reign Oral Presentation Presenters: Claire Darrow '22		
2:10pm – 2:25pm	O Aggression or Risk-Management?: A Multi-tiered Model of Corporate Lobbying Oral Presentation Presenters: Jacqueline Qiu '22		
2:30pm – 2:45pm	O Miyazawa Kenji's Reception in Interwar Japan Oral Presentation Presenters: Yunzhi Liu '22		
3:30pm – 3:45pm	O Exploring the Middlebury Language Community Oral Presentation Presenters: Nicholas Sliter '23		
3:50pm – 4:05pm	O Analyzing College Admissions Equity through High School Seniors, the Applications Process, and Online Communities Oral Presentation Presenters: Erica Swirsky '23		

4:10pm - 4:25pm

O Free Lunches? Education & Health Impacts of India's 'Mid-Day Meal' School Feeding Program Oral Presentation

Presenters: Shridhar Singhania '22

MBH 403				
9:15am - 9:30am	O Improving Weather Forecasts with Machine Learning Oral Presentation Presenters: Katelyn Mei '22, Acadia Hegedus '22, Tom Gause '22			
9:35am - 9:50am	O Using Machine Learning to Identify Supermassive Black Hole Powered Quasars Oral Presentation Presenters: Shirley Mao '22.5			
9:55am - 10:10am	O NPSV2: A Machine Learning Approach to Structural Variant Genotyping in Whole Genome Sequencing Data Oral Presentation Presenters: Eliza Wieman '23, Daniel Brey '22			
10:15am – 10:30am	Machine Learning to Reverse-Solve Schrodinger's Equation Oral Presentation Presenters: Ellie Suit '24			
11:15am – 11:30am	Political (Non) Apologies in Argentina and Russia Oral Presentation Presenters: Isabel Larson '22			
11:35am – 11:50am	Jungle Primaries: Losing The Third Party In The Jungle Oral Presentation Presenters: Michael Matheson '25			
11:55am – 12:10pm	O Nuisance Ordinances, Evictions, and Homelessness Oral Presentation Presenters: Ethan Berner '22			
12:15pm – 12:30pm	O Homosexual Intimacy Within and Beyond The Untamed Oral Presentation Presenters: Charlene Fu '22			
3:30pm – 3:45pm	O Finding Foraminifera: Quantitative Analysis of Microfossils to Reconstruct Deep Ocean Carbon Storage Oral Presentation Presenters: Shane Lusk '22'			
3:50pm – 4:05pm	 Governing Digital Disruption: Effects of Competing Global Governance Interests on Cross-Border Mobile Money Adoption Oral Presentation Presenters: Elsa Korpi '22 			
4:10pm – 4:25pm	O Observing the Hall Effect in Semiconductors Oral Presentation Presenters: Ruben Vargas '22			
4:30pm – 4:45pm	O Computational Models of The Effects of Infraslow Oscillations on Neuron Ensemble Formation Oral Presentation Presenters: Ev Berger-Wolf '23			
MBH GREAT HALL				
9:00am - 9:15am	G Welcome by Laurie Patton, President of Middlebury College General Event			
10:30am – 11:15am	P 05. Gnawing Away at the Family Tree: Adironack Beaver Lineage Poster Presentation Presenters: Audrey Hsi '22			

10:30am – 11:15am	07. Constructing a Laser-Scanning Confocal Microscope Using Curved Mirrors Poster Presentation Presenters: Thomas Zodda '22.5	
10:30am – 11:15am	P 08. Big Fish: A Spectacle on a Budget Poster Presentation Presenters: Nino Tomas '22, Gayathri Mantha '25	
10:30am – 11:15am	P 01. Memor-eyes; Bilateral Saccadic Eye Movements and Episodic Memory Retrieval Poster Presentation Presenters: Olivia Haouchine '22	
10:30am – 11:15am	P 17. Caught in the Cross Hairs: Novel Hybrid Sensilla in Ants Detected by SEM Imaging Poster Presentation Presenters: Hannah Gellert '22	
10:30am – 11:15am	P 18. Behavioral Responses in Drosophila melanogaster Following Traumatic Brain Injury Poster Presentation Presenters: Laurie Chen '22, Sebin Park '22	
10:30am – 11:15am	P 13. Measuring the Superconducting Transition of a High-Temperature Superconductor Poster Presentation Presenters: Willson Moore '22.5	
10:30am – 11:15am	P 14. Mechanism of Testosterone: The Effects of Intracerebral Testosterone on Spatial Memory in Adult Male Rats Poster Presentation Presenters: Hieu Nguyen '23	
10:30am – 11:15am	P 22. Investigation of Gasdermins as "Executioner" Molecules in Pyroptosis Poster Presentation Presenters: Miriam Weathers '22	
10:30am – 11:15am	P 19. Synthesis of Ruthenium-Complexed Fluorene Polymer as Potential Molecular Wire Poster Presentation Presenters: Huiming Liang '22	
10:30am – 11:15am	P 21. PFAS Exposure from Ski Wax Application and Implications for General Exposure Pathways Poster Presentation Presenters: Nicola Hartmann '23.5, Emilia Andersen '22	
10:30am – 11:15am	P 44. 0 Gorham Lane Research and Analysis Poster Presentation Presenters: Sarah Mines '24.5, Sarah Rifkin '24, Tyler Hadar '25, Beckett Pintair '24.5	
10:30am – 11:15am	P 10. Development of a Novel Method to Probe for a Deacetylase in Borrelia burgdorferi, the Causative Agent of Lyme Disease Poster Presentation Presenters: Ming Harris-Weidner '22	
10:30am – 11:15am	P 04. The Relationship Between Attendance in a Virtual Exercise Class and Quality of Life for People with Parkinson Disease Poster Presentation Presenters: Nate Stewart '22	
10:30am – 11:15am	P 16. Remote Renderings for Restoration: Representations of Wetlands in the Southern Marshes of Iraq Poster Presentation Presenters: Brooke Laird '22	
10:30am – 11:15am	P 11. Does Using Moral Foundation Language for Christians Increase Environmental Engagement Poster Presentation Presenters: Maya Saterson '22	
10:30am – 11:15am	P 03. Identification of SloR Binding Sites Throughout the Streptococcus Mutans UA159 Genome Poster Presentation Presenters: Emily Bulczynski '22	

10:30am – 11:15am	20. Understanding Paleoclimate through Packrat Middens Poster Presentation Presenters: Elizabeth Austin '24			
10:30am – 11:15am	22. Comparison of Phosphorus Determination in Freshwater Invertebrates by Spectrophotometry and Inductively-Coupled Plasma Mass Spectrometry Poster Presentation Presenters: Julia Keon '23, Alexander Kessler '22.5			
10:30am – 11:15am	9. Direct Imaging of RNA loaded Lipid-Nanoparticles for RNA-based Vaccines oster Presentation tresenters: Jewel Ashbrook '23			
10:30am – 11:15am	P 12. The Diurnal Fluctuations and Effects of UV on Escherichia coli in Jackson, WY Recreational Streams Poster Presentation Presenters: Emma Román '22			
10:30am – 11:15am	P 06. Foreign Aid and Corruption: The Case of China's Overseas Lending Poster Presentation Presenters: Claire Moy '22			
10:30am – 11:15am	P 09. The Effect of Cell Wall Elasticity on the Desiccation Tolerance of the Common Biocrust Moss Syntrichia caninervis Poster Presentation Presenters: Nuki Neumeister '22.5			
10:30am – 11:15am	P 15. A Protein Proof-of-Concept Model of a Photoredox Crosslinking Approach to Drug Target Identification Poster Presentation Presenters: Alden Harring '22			
2:45pm – 3:30pm	P 39. Managing and Monitoring Beavers on Middlebury's Campus Poster Presentation Presenters: Andrew Ng '22			
2:45pm – 3:30pm	P 32. Elucidating the Individual Functions of Three Borellial PFKs Poster Presentation Presenters: Cady Barns '22.5			
2:45pm – 3:30pm	P 42. Testing Taphonomy for Tar Pits of the World Poster Presentation Presenters: Ezra Flint '22.5			
2:45pm – 3:30pm	P 38. Where the Woodlots Are: Superfine Tree Gain Mapping in Tanzania Using Planet Labs Imagery Poster Presentation Presenters: Vincent Falardeau '22			
2:45pm - 3:30pm	P 37. The Effect of Heat Stimuli on Individual and Group Behavior in D. Melanogaster Poster Presentation Presenters: Ciara Burke '22			
2:45pm – 3:30pm	P 36. Determining Whether Testosterone's Effect on Spatial Memory Strategy in Male Rats is Androgen- or Estrogen-Dependent Poster Presentation Presenters: Abby Griffin '23, Em Luber '22			
2:45pm – 3:30pm	P 34. Island Extinctions Biases throughout the Holocene Poster Presentation Presenters: Maggie Swanson '22.5			
2:45pm – 3:30pm	P 25. Initial Methods for an Environmental Health Survey of Toxoplasma gondii in Alaskan Shellfish Poster Presentation Presenters: Kaja Aagaard '22			
2:45pm – 3:30pm	P 40. Role of the Neuropeptide NPLPL4 in Alcohol Tolerance and Sensitivity in the Fruit Fly Poster Presentation Presenters: Francesca Whitecross '23.5			

2:45pm - 3:30pm	P 35. Investigating Groundwater as a Control on Algal Blooms in Lake Carmi, Franklin VT Poster Presentation Presenters: Maxwell Memeger '22			
2:45pm - 3:30pm	P 43. The Rohatyn Global Scholars Program Poster Presentation Presenters: Christopher Martucci '25, Maddie Sauders '25, Ciara Murphy '25			
2:45pm – 3:30pm	P 28. Toxic Thirst: Exploring PFAS Contamination In Vermont Drinking Water Poster Presentation Presenters: Claire Contreras '23			
2:45pm – 3:30pm	P 31. The Investigation of Personal Care Products Usage Role in the Prevalence of Thyroid Cancer in Women in Honduras Poster Presentation Presenters: Seiha San '22			
2:45pm – 3:30pm	5. An Exploration of Cell-Associated and Cell-Exported Enolase in B. Burgdorferi oster Presentation resenters: Sloane Parker '22			
2:45pm – 3:30pm	P 26. The Role of GDE6 in Neural Tube Development Poster Presentation Presenters: Maddie McKean '22, Thea Joseph '22			
2:45pm – 3:30pm	P 33. Alcohol, Substance Use, and Violence in Male and Female Adolescents Poster Presentation Presenters: Gianna Ferguson '23			
2:45pm — 3:30pm	23. The Responses of Retail Spending and Real Consumption to Housing Wealth Shocks: Evidence from Geographically-Linked Retail Data Poster Presentation Presenters: Tai Nguyen '22			
2:45pm — 3:30pm	P 24. A Chemical-Genetic Dissection of Necroptosis Poster Presentation Presenters: Karina Sharma '22			
2:45pm – 3:30pm	P 41. Non-Medical Factors Influencing Lung Cancer Treatment and Survival Outcomes Poster Presentation Presenters: Betsy Romans '23, Sophie Levine '23, Jack Finn '23, Asif Ul-Islam '23			
2:45pm – 3:30pm	P 46. Exploring Atypical Chain Formations Constructed by the Ubiquitin ligase Rsp5 Poster Presentation Presenters: Dani Xu '22			
2:45pm – 3:30pm	P 27. Assessing Beaver Activity and Mitigating Human Conflict on Middlebury College Lands Poster Presentation Presenters: Jack Cornish '22			
2:45pm — 3:30pm	P 30. Encounters with Stone Poster Presentation Presenters: Max Taxman '22.5			
ONLINE				
10:30am - 5:00pm	R Undocumented Immigration and California's Agricultural Economy Prerecorded Presentation Presenters: Sylvie Shure '24.5			
10:30am - 5:00pm	R Word and World: Multifaceted Consciousness and Preverbal Movements in Gao Xingjian's Soul Mountain and Nathalie Sarraute's Childhood Prerecorded Presentation Presenters: Qing Zhao '21.5			

10:30am - 5:00pm

R Ableism and Audism in Cochlear Implant Marketing Prerecorded Presentation

Presenters: Phaedra Robinson '22

Zoom Presentation

Presenters: Ernesto Cuxil '22

VARIOUS LOCATIONS					
12:30pm - 1:30pm	G	Lunch Break General Event			
ZOOM (VIEW IN MBH 4	11)				
1:30pm – 1:45pm	Zoom P	ablishment of the British Museum and the British Society in the Late Eighteenth Century resentation ers: Yining (Elaine) Zhang '23.5			
1:45pm – 2:00pm	Zoom P	Z Imperialist Legacies of 18th Century British East India Company Tea Trade Zoom Presentation Presenters: Nina Ng '23			
2:00pm – 2:15pm	Zoom P	Z Defining Love: Gender, Sex, and Generational Trauma in Mo Xiang Tong Xiu's Heaven Official's Blessing Zoom Presentation Presenters: Olivia Lee '22			
2:15pm – 2:30pm	Z Bird Diversity in the Ecuadorian Chocó: A proposal for avitourism in Villaflora and Manduriacu Reserve Zoom Presentation Presenters: Elizabeth Kroger '22.5				
2:30pm – 2:45pm	Z Impacts of the Great Recession on Migrant Household's Workforce Participation in Rural Guatemala				