

A Asynchronous Poster **Y** Aysnchronous Presentation **G** General Event **P** Poster Viewing in Bi Hall

S Synchronous Zoom Presentation

MAY 11 • TUESDAY

9:00am – 9:00am	G Welcome by Middlebury President Laurie Patton <i>Presenters: President Patton</i>	Zoom Meeting Room
9:00am – 9:15am	S Application of Degenerate Perturbation Theory in Approximating Ising Spin-glass Hamiltonian for Quantum Adiabatic Algorithm <i>Presenters: Tao You '22.5</i> <i>Sponsors: Chris Herdman</i>	Zoom Meeting Room
9:00am – 9:15am	S Contextualizing Bravery: Understanding William Slade's Rhetoric in Context of the Abolition Movement and the Middlebury Community <i>Presenters: Shaye Anis '21.5</i> <i>Sponsors: Daniel Silva</i>	Zoom Meeting Room
9:00am – 9:15am	S Deafening Silence, Then an Uproar: The Suppression and Remembrance of the October 6, 1976 Thammasat University Massacre in Bangkok, Thailand <i>Presenters: Pim Singhatiraj '21.5</i> <i>Sponsors: Louisa Burnham</i>	Zoom Meeting Room
9:00am – 9:15am	S Genotyping Structural Variants With Deep Learning <i>Presenters: Jacob Wallace '21</i> <i>Sponsors: Michael Linderman</i>	Zoom Meeting Room
9:00am – 9:15am	S Investigating Ocean Carbon Storage: Analysis of Dissolution Using Foraminifera Proxies From Sediment Cores in the Pacific <i>Presenters: Rachel Nahirny '21.5</i> <i>Sponsors: Allison Jacobel</i>	Zoom Meeting Room
9:00am – 9:15am	S Riddles in the Dark (Ages): The Riddle Tradition from Rome to Anglo-Saxon England <i>Presenters: Hannah Resnick '21</i> <i>Sponsors: Christopher Star</i>	Zoom Meeting Room
9:00am – 9:15am	S Stakes, Competition, and Magical Thinking <i>Presenters: Henry Cronic '21</i> <i>Sponsors: Jeffrey Carpenter</i>	Zoom Meeting Room
9:00am – 9:15am	S Testing for Evidence of Subsurface Phosphorus Transport to a Small Lake (Lake Carmi) in Northwestern Vermont, USA <i>Presenters: Anna Loewald '21</i> <i>Sponsors: Pete Ryan</i>	Zoom Meeting Room
9:00am – 9:15am	S The Rise of Ideological Extremism in Congress <i>Presenters: Dan Levesque '22</i> <i>Sponsors: Matt Dickinson</i>	Zoom Meeting Room
9:00am – 9:15am	S The Role of Coastal Erosion and Tectonic Uplift in Marine Terrace Formation: A Modelling Case Study of Kaikoura Peninsula, New Zealand. <i>Presenters: Sam Chester '21.5</i> <i>Sponsors: William Amidon</i>	Zoom Meeting Room
9:00am – 9:15am	S Using Qualitative Coding to Analyze Session Notes From The Middlebury College Writing Center Database Based on Several components of Session Dynamics, Linguistics, and Reflection. <i>Presenters: Joseph Gulino '23</i> <i>Sponsors: Genie Giaimo</i>	Zoom Meeting Room

9:00am – 9:15am	S	Winning Allies: US Soft Power and Counterterrorism Efforts <i>Presenters: Natalia Santiago Melendez '23</i> <i>Sponsors: Guntram Herb</i>	Zoom Meeting Room
9:00am – 9:45am	S	A Proposal for A Sophomore Program in Anti-Racist Studies <i>Presenters: Madison Holland '21, Mark Gross '21, Emma Walsh '21, Ivan Terrones '21, Brigid Connor '21, Clara Hatch '22, Kat Finck '21, Soph Charron '22</i> <i>Sponsors: Jonathan Miller-Lane</i>	Zoom Meeting Room
9:00am – 9:45am	S	Data Science Projects Across Disciplines <i>Presenters: Xingze Wang '23, Kenta Togo '23, Grace Maley '21, Prateek Wadhavkar'23, Kevin Ewing '23</i> <i>Sponsors: Alex Lyford</i>	Zoom Meeting Room
9:15am – 9:30am	S	An XRD and XRF Study of Tropical Soils in Puerto Rico: No Evidence for Mineralogical Control on Landslide Occurance <i>Presenters: Virginia Stanley '21</i> <i>Sponsors: Pete Ryan</i>	Zoom Meeting Room
9:15am – 9:30am	S	Call Me Out, Call Me In: Social Media, Scapegoating, and the Sacrifice of Relational Accountability <i>Presenters: Hannah Laga Abram '23</i> <i>Sponsors: David Stoll</i>	Zoom Meeting Room
9:15am – 9:30am	S	Covid-19, Employment and Opioid Abuse in Vermont <i>Presenters: Lachlan Pinney '21.5</i> <i>Sponsors: Erin Wolcott</i>	Zoom Meeting Room
9:15am – 9:30am	S	Dear Buddha Is China Really Atheistic? <i>Presenters: Lynn Chai '23</i> <i>Sponsors: Thomas Moran</i>	Zoom Meeting Room
9:15am – 9:30am	S	Does Universal Vote-by-Mail Yield Higher Electoral Participation? An Exploration of Voting Systems in the 2020 Presidential Election in the United States <i>Presenters: Zeke Hodkin '21.5</i> <i>Sponsors: Bert Johnson</i>	Zoom Meeting Room
9:15am – 9:30am	S	Effect of Warming Sea Temperatures in the Gulf of Maine on Postlarval Lobsters (<i>Homarus Americanus</i>) Swimming Performance and Activity <i>Presenters: Phoebe Oehmig '20.5</i> <i>Sponsors: Eric Moody</i>	Zoom Meeting Room
9:15am – 9:30am	S	K-Monsters: Analysis of Monsters in South Korea's Netflix Series 'Kingdom' and 'Sweet Home' <i>Presenters: Ho June (Sean) Rhee '21</i> <i>Sponsors: Patricia Saldarriaga</i>	Zoom Meeting Room
9:15am – 9:30am	S	Listen Witness Amplify North Carolina: On the Ongoing Legacies of School Segregation by Law <i>Presenters: Christine McDow '21</i> <i>Sponsors: William Nash</i>	Zoom Meeting Room
9:15am – 9:30am	S	Police Abolition, the Nonprofit Industrial Complex, and Anti-Violence Activism: Reimagining Gender-Based Violence Work in 2020 <i>Presenters: Luna Gizzi '21</i> <i>Sponsors: Laurie Essig</i>	Zoom Meeting Room
9:15am – 9:30am	S	Researching the Archives of Anti-Racist Activism: Notes from an Ongoing Process <i>Presenters: Mia Pangasnan '23, Rama Somborac '23</i> <i>Sponsors: Daniel Silva</i>	Zoom Meeting Room
9:15am – 9:30am	S	Saturation Games and Bootstrap Percolation <i>Presenters: Bryan Currie '22</i> <i>Sponsors: John Schmitt</i>	Zoom Meeting Room
9:15am – 9:30am	S	Stereotyped Non-Signature Whistles in Common Bottlenose Dolphins (<i>Tursiops Truncatus</i>) Predominantly Shared Between Males and Exchanged Around Conspecifics <i>Presenters: Matthew Hyer '21</i> <i>Sponsors: Noah Graham</i>	Zoom Meeting Room

9:30am – 9:45am	S	A Deep Learning Approach to Multiple Object Tracking <i>Presenters: Scott Powell '21</i> <i>Sponsors: Christopher Andrews</i>	Zoom Meeting Room
9:30am – 9:45am	S	Coral Restoration in The Bahamas: Examining the Biological and Socio-Political Impacts of Restoration <i>Presenters: Jillian Lessing '21</i> <i>Sponsors: Mez Baker-Médard</i>	Zoom Meeting Room
9:30am – 9:45am	S	Evidencing Uplift, Erosion, and Equilibrium: A Stream Profile Analysis of the Adirondack Mountains <i>Presenters: Tyler DeShong '21</i> <i>Sponsors: William Amidon</i>	Zoom Meeting Room
9:30am – 9:45am	S	Infusing the World with Love and Compassion-- Humanistic Buddhism in China <i>Presenters: Yining Lu '21.5</i> <i>Sponsors: Elizabeth Morrison</i>	Zoom Meeting Room
9:30am – 9:45am	S	Linguistic Study of Reddit Comments <i>Presenters: Jackson Chen '21</i> <i>Sponsors: Alex Lyford</i>	Zoom Meeting Room
9:30am – 9:45am	S	Moderating Online Hate Speech <i>Presenters: Mendel Baljon '21</i> <i>Sponsors: Erik Bleich</i>	Zoom Meeting Room
9:30am – 9:45am	S	Political Movement: Ideological Construction and Transportation on the Moscow Metro <i>Presenters: Josiah Siegel '21</i> <i>Sponsors: Matthew Walker</i>	Zoom Meeting Room
9:30am – 9:45am	S	Riace: An Explanation of Italy <i>Presenters: Arjan Kochar '23</i> <i>Sponsors: Stefano Mula</i>	Zoom Meeting Room
9:30am – 9:45am	S	The Living Building Challenge at Middlebury <i>Presenters: Sanjana Roy '22, Clara Wolcott '22</i> <i>Sponsors: Shelly Pottorf</i>	Zoom Meeting Room
9:30am – 9:45am	S	Toward a Global Survey: Reconsidering the Construction of a Discipline <i>Presenters: Kathlyn Gehl '21.5, Reid Macfarlane '21, Alexis Welch '22.5, Rhys Glennon '22, Niamh Carty '23</i> <i>Sponsors: Katy Smith Abbott</i>	Zoom Meeting Room
9:30am – 9:45am	S	Using Landscape Permeability to Assess the Impacts of Residential Land Development Patterns on Ecological Connectivity <i>Presenters: Emma Clinton '21</i> <i>Sponsors: Bill Hegman</i>	Zoom Meeting Room
9:30am – 9:45am	S	Using Remote Sensing to Characterize Macroalgal Blooms in New Zealand Estuaries <i>Presenters: Kathleen Sterup '21</i> <i>Sponsors: Eric Moody</i>	Zoom Meeting Room
10:00am – 10:15am	S	A Uniquely Destructive Injustice: US Nuclear Testing on Indigenous Lands - an Environmental Justice and GIS Analysis <i>Presenters: Arielle Landau '21</i> <i>Sponsors: Daniel Suarez</i>	Zoom Meeting Room
10:00am – 10:15am	S	Beyond Refuge: Visions of Migration, Violence, and Abolition from Mirieyi Settlement <i>Presenters: Daniel Krugman '21</i> <i>Sponsors: Michael Sheridan</i>	Zoom Meeting Room
10:00am – 10:15am	S	El significado revolucionario de los gusanos y las vacas: Cien años de soledad como una visión crítica de la Revolución Cubana <i>Presenters: Olivia O'Brien '21.5</i> <i>Sponsors: Luis Castaneda</i>	Zoom Meeting Room
10:00am – 10:15am	S	Historical Fantasy and Fashion: Pattern Making and Period Garment Recreation <i>Presenters: Katie Concannon '22</i> <i>Sponsors: Carol Wood</i>	Zoom Meeting Room

10:00am – 10:15am	S	Investigating the Relationships Between Environmental Factors and Mosquito Community Composition in Addison County, Vermont <i>Presenters: Olivia Olson '21.5</i> <i>Sponsors: David Allen</i>	Zoom Meeting Room
10:00am – 10:15am	S	Invisibility in Translating the Word of God <i>Presenters: Jeremy Navarro '21</i> <i>Sponsors: Sam Liebhaber</i>	Zoom Meeting Room
10:00am – 10:15am	S	Methods and Metrics of Community Fish Harvest Pressure in Madagascar <i>Presenters: Gabriel Lefkowitz '22</i> <i>Sponsors: Mez Baker-Médard</i>	Zoom Meeting Room
10:00am – 10:15am	S	Perceptions of Black Motherhood: Contextualizing Images of the 1980s Crack Mother with the Contemporary Victim Mother <i>Presenters: Megan Salmon '21</i> <i>Sponsors: Hemangini Gupta</i>	Zoom Meeting Room
10:00am – 10:15am	S	Simulating Quantum Dynamics Efficiently <i>Presenters: Omar Alsaeed '21</i> <i>Sponsors: Chris Herdman</i>	Zoom Meeting Room
10:00am – 10:15am	S	Teaching Communication and Writing Skills in an Intro Data Science Course <i>Presenters: Constance Gooding '23</i> <i>Sponsors: Genie Giaimo</i>	Zoom Meeting Room
10:00am – 10:15am	S	The Plight of the Child: The Targeting of Children in Armed Conflict <i>Presenters: Caroline Kapp '21</i> <i>Sponsors: Sarah Stroup</i>	Zoom Meeting Room
10:00am – 10:45am	S	Care in Addison County: A Community Health Needs Assessment <i>Presenters: Marissa Smith '21, Daniela Morales '21, Cathleen Huang '21, Mollie Ockene '21</i> <i>Sponsors: Pam Berenbaum</i>	Zoom Meeting Room
10:15am – 10:30am	S	Can't We Just Talk It Out?: Teaching and Practicing Civil Discourse <i>Presenters: Porter Bowman '21.5</i> <i>Sponsors: Sarah Stroup</i>	Zoom Meeting Room
10:15am – 10:30am	S	Classes in Spanish, Homes in Português: (mis)education on the Uruguayan Border <i>Presenters: Spencer Royston '21</i> <i>Sponsors: Brandon Baird</i>	Zoom Meeting Room
10:15am – 10:30am	S	COVID-19 Tweets of Governors and Health Experts: Deaths, Masks, and the Economy <i>Presenters: Tim Hua '23.5</i> <i>Sponsors: Alex Lyford</i>	Zoom Meeting Room
10:15am – 10:30am	S	Do Asian-Americans Exhibit a Pan-Ethnic Voting Behavior? <i>Presenters: Rachel Lu '23</i> <i>Sponsors: Matt Dickinson</i>	Zoom Meeting Room
10:15am – 10:30am	S	From Sand to Soup: The Rise of Sea Cucumber Aquaculture in Madagascar <i>Presenters: Elizabeth Kroger '22.5</i> <i>Sponsors: Mez Baker-Médard</i>	Zoom Meeting Room
10:15am – 10:30am	S	Multi-Focus Imaging <i>Presenters: Alex Kang '21</i> <i>Sponsors: Michael Durst</i>	Zoom Meeting Room
10:15am – 10:30am	S	Nocturne: Community Through Loose Organization, Reimagined Space, and Joyful Experimentation <i>Presenters: Maia Sauer '22, Sam Kann '21</i> <i>Sponsors: Laurel Jenkins</i>	Zoom Meeting Room
10:15am – 10:30am	S	The Effects of Outside Spending on Political Messaging in the 2018 Congressional Midterm Elections <i>Presenters: Tasha Greene '21</i> <i>Sponsors: Bert Johnson</i>	Zoom Meeting Room

10:15am – 10:30am	S	The Rise of Social Movements: The Case of Chile's Student Movement <i>Presenters: Mason Arndt '21</i> <i>Sponsors: Patricia Saldarriaga</i>	Zoom Meeting Room
10:15am – 10:30am	S	The Role of Values in Environmental Policy Support <i>Presenters: Monique Santoso '21</i> <i>Sponsors: Michelle Mccauley</i>	Zoom Meeting Room
10:15am – 10:30am	S	Translating Murakami Ryuu's "Showa Ballad Collection" <i>Presenters: Jack English '21.5</i> <i>Sponsors: Stephen Snyder</i>	Zoom Meeting Room
10:30am – 10:45am	S	Day Care as Community Thriving <i>Presenters: Martina Emma Bernstein '21.5</i> <i>Sponsors: Kristin Bright</i>	Zoom Meeting Room
10:30am – 10:45am	S	Designing a Photoredox Approach to Target Identification Using an Intramolecular Substrate <i>Presenters: Nathaniel Klein '21, Priya Kaur '22</i> <i>Sponsors: Lindsay Repka</i>	Zoom Meeting Room
10:30am – 10:45am	S	Diaspora and Disparity: A Digital Exploration of Arab-American Health Care Conditions and Concerns <i>Presenters: Kamli Faour '21</i> <i>Sponsors: Sam Liebhaber</i>	Zoom Meeting Room
10:30am – 10:45am	S	El título: La Transculturación en la Sierra Peruana: Un análisis sociolingüístico de la cultura postcolonial indígena en Perú en la obra "Agua" de Arguedas y el impacto del virus COVID-19 en estas comunidades indígenas; Title: Transculturation in the Peru <i>Presenters: Igor Todorovic '23</i> <i>Sponsors: Irina Feldman</i>	Zoom Meeting Room
10:30am – 10:45am	S	Exploring Diasporic Chinese Identities Through Translation <i>Presenters: Grace Najmulski '21</i> <i>Sponsors: Thomas Moran</i>	Zoom Meeting Room
10:30am – 10:45am	S	Finding Joy in Feminism: Tracing a Lineage of Feminist Joy <i>Presenters: Rose Evans '22.5</i> <i>Sponsors: Catharine Wright</i>	Zoom Meeting Room
10:30am – 10:45am	S	Migration Through Maps: Media Portrayal of Refugees in Europe <i>Presenters: Madeline Kresin '21</i> <i>Sponsors: Guntram Herb</i>	Zoom Meeting Room
10:30am – 10:45am	S	Socio Ecological Factors Affecting Fire Management Across Cultures <i>Presenters: Cale Wisher '22.5, Eli Bilech '22</i> <i>Sponsors: Michael Sheridan</i>	Zoom Meeting Room
10:30am – 10:45am	S	The Cause and Effect of the Plague of Athens <i>Presenters: Mary Catherine Carroll '21</i> <i>Sponsors: Jane Chaplin</i>	Zoom Meeting Room
10:30am – 10:45am	S	The History of Italian American Food (in Photos) <i>Presenters: Amanda Coccia '22</i> <i>Sponsors: Ilaria Brancoli-Busdraghi</i>	Zoom Meeting Room
10:30am – 10:45am	S	"Bowling Alone" in a Digital World: The Comparative Political effects of Online and Traditional Social Capital <i>Presenters: Lily Jones '23</i> <i>Sponsors: Matt Dickinson</i>	Zoom Meeting Room
10:45am – 11:00am	S	Una investigación empírica sobre la justicia ambiental en América Latina y los Estados Unidos - An empirical investigation on Environmental Justice in Latin America and the United States <i>Presenters: Jayla Johnson '21</i> <i>Sponsors: Patricia Saldarriaga</i>	Zoom Meeting Room
11:00am – 11:15am	S	A Modern Interpretation of Italian Folk Tales <i>Presenters: Eva Ury '21.5</i> <i>Sponsors: Stefano Mula</i>	Zoom Meeting Room

11:00am – 11:15am	S	Conscientiousness, Sleep, and Depression in College Students <i>Presenters: Olivia Rieur '22</i> <i>Sponsors: Martin Seehuus</i>	Zoom Meeting Room
11:00am – 11:15am	S	Death and Desire in the Wine Dark Sea: Monstrosity in MS.Bodley 764 <i>Presenters: Kathlyn Gehl '21.5</i> <i>Sponsors: Eliza Garrison</i>	Zoom Meeting Room
11:00am – 11:15am	S	European Cooperation Under Strain? How France Responded to Angela Merkel's 2015 Open Door Policy <i>Presenters: Olivia Brown '21</i> <i>Sponsors: Sarah Stroup</i>	Zoom Meeting Room
11:00am – 11:15am	S	Finite-Size Scaling of Unsupervised Machine Learning in the Ising Model <i>Presenters: Gebremedhin Dagneu '21</i> <i>Sponsors: Chris Herdman</i>	Zoom Meeting Room
11:00am – 11:15am	S	Fostering Community and Inclusion for Heritage Language Learners of Spanish: A Report for the Development of SPAN 250 at Middlebury College <i>Presenters: Ho June (Sean) Rhee '21, Kevin Mata '22</i> <i>Sponsors: Brandon Baird</i>	Zoom Meeting Room
11:00am – 11:15am	S	Gender Equality Laws in the West German and Former East German Constitutions <i>Presenters: Christina Badalamenti '22</i> <i>Sponsors: Bettina Matthias</i>	Zoom Meeting Room
11:00am – 11:15am	S	Identification of PerR and SloR Binding Sites Throughout the S. Mutans Genome: From Laptop to Benchtop <i>Presenters: Cleo Davidowitz '21</i> <i>Sponsors: Grace Spatafora</i>	Zoom Meeting Room
11:00am – 11:15am	S	Machine Learning Dataset Creation <i>Presenters: Graham Rainsby '21</i> <i>Sponsors: Alex Lyford</i>	Zoom Meeting Room
11:00am – 11:15am	S	Pill Panaceas: Conflict and Confusion in Biomedical Contraceptive Regimes <i>Presenters: Anna Wood '22</i> <i>Sponsors: Kristin Bright</i>	Zoom Meeting Room
11:00am – 11:15am	S	Salvation Today, Work Tomorrow: Power and Parody in Kehinde Wiley's Judith and Holofernes <i>Presenters: Reid Macfarlane '21</i> <i>Sponsors: Katy Smith Abbott</i>	Zoom Meeting Room
11:00am – 11:15am	S	Soul, Thought, Immortality: Aristotle's De Anima and its Influence on Heidegger's Being and Time <i>Presenters: Kenzo Okazaki '21</i> <i>Sponsors: Lorraine Besser</i>	Zoom Meeting Room
11:00am – 11:15am	S	State Legislator Ideological Extremism and the House of Representatives <i>Presenters: Audrey Sachleben '21</i> <i>Sponsors: Matt Dickinson</i>	Zoom Meeting Room
11:15am – 11:30am	S	"At Last" (My Grandmas Get Married) <i>Presenters: Lucy Rinzler-Day '21</i> <i>Sponsors: David Miranda Hardy</i>	Zoom Meeting Room
11:15am – 11:30am	S	A Translation of "Altri libertini" by Pier Vittorio Tondelli <i>Presenters: Michael Koutelos '21</i> <i>Sponsors: Stefano Mula</i>	Zoom Meeting Room
11:15am – 11:30am	S	Decade Sans Dough <i>Presenters: Edyth Moldow '23</i> <i>Sponsors: Thomas Moran</i>	Zoom Meeting Room
11:15am – 11:30am	S	Evaluating an Androgen-Based Mechanism in Dose-Dependent Effects of Testosterone on Spatial Learning Strategies Among Male Rats <i>Presenters: Tinglin Shi '22, Thomas Khodadad '22</i> <i>Sponsors: Mark Spritzer</i>	Zoom Meeting Room

11:15am – 11:30am	S	Impostor Syndrome <i>Presenters: Saher Al Khamash '21</i> <i>Sponsors: Patricia Saldarriaga</i>	Zoom Meeting Room
11:15am – 11:30am	S	Measuring the Impact of Self-Efficacy on Undergraduate STEM success and Addressing Gaps in STEM Self-Efficacy <i>Presenters: Khuslen Otgonbayar '23</i> <i>Sponsors: Genie Giaimo</i>	Zoom Meeting Room
11:15am – 11:30am	S	Put a Ru(II) on It: Synthesis of a Molecular Wire Monomer <i>Presenters: Bayu Ahmad '21</i> <i>Sponsors: Jeffrey Byers</i>	Zoom Meeting Room
11:15am – 11:30am	S	Rainfall Monitoring in the Hawaiian Islands: Using Cellular Climate Monitoring Technology to Contribute to Holistic Runoff Models in Maunaloa Bay <i>Presenters: Nick Nonnenmacher '21</i> <i>Sponsors: Erin Eggleston</i>	Zoom Meeting Room
11:15am – 11:30am	S	Students with Disabilities at Middlebury College: A Slow Slog toward the Future (1990-2021) <i>Presenters: Mary Moore '22.5</i> <i>Sponsors: William Hart</i>	Zoom Meeting Room
11:15am – 11:30am	S	The Malleable Lumpenization Status of Sex Workers During COVID-19 <i>Presenters: Kathryn van der Merwe '22</i> <i>Sponsors: Michael Sheridan</i>	Zoom Meeting Room
11:15am – 11:30am	S	Theories of Change in the Environmental Movement: How They Change (and How They Don't) <i>Presenters: Sidra Pierson '21.5</i> <i>Sponsors: Daniel Suarez</i>	Zoom Meeting Room
11:15am – 11:30am	S	Thriving and Surviving: Urban Poverty in Two Chinese Cities <i>Presenters: Benjy Renton '21</i> <i>Sponsors: Ellen Oxfeld</i>	Zoom Meeting Room
11:15am – 11:30am	S	Walking The Lands of Memory: Placemaking In Dying Places Through Conversations With Elders <i>Presenters: Oscar Psychas '21</i> <i>Sponsors: Kathryn Morse</i>	Zoom Meeting Room
11:30am – 11:45am	S	Axiomatic: A Film About Self-Identity <i>Presenters: Jackson Evans '22 (he/him)</i> <i>Sponsors: Thomas Moran</i>	Zoom Meeting Room
11:30am – 11:45am	S	Collegium and the Spanish Gradual <i>Presenters: Francis Shiner '23</i> <i>Sponsors: Jeff Buettner</i>	Zoom Meeting Room
11:30am – 11:45am	S	Crossdressing Saints and Gender Nonconformity in Late Medieval Europe <i>Presenters: Indira Yuldasheva '22</i> <i>Sponsors: Louisa Burnham</i>	Zoom Meeting Room
11:30am – 11:45am	S	How the Forces of Pro-democracy and Burmese Nationalism Perpetuate the Rohingya Crisis <i>Presenters: Natalie Dodson '23</i> <i>Sponsors: Laurie Patton</i>	Zoom Meeting Room
11:30am – 11:45am	S	Media Portrayals of Israeli-Palestinian Conflict during the Second Intifada: 2000-2004 <i>Presenters: Kai Milici '21, Nora Bayley '21, Zack Maluccio '22.5, Emma Brown '21</i> <i>Sponsors: Erik Bleich</i>	Zoom Meeting Room
11:30am – 11:45am	S	Modelling Ixodes Scapularis Population Dynamics <i>Presenters: Myles Stokowski '21.5</i> <i>Sponsors: David Allen</i>	Zoom Meeting Room
11:30am – 11:45am	S	Pitbull: Sellout?! <i>Presenters: Sergiu White '22</i> <i>Sponsors: Brandon Baird</i>	Zoom Meeting Room

11:30am – 11:45am	S	Regional Integration and Development Outcomes in Africa: West African Gas Pipeline <i>Presenters: Sabrina Roberts '21</i> <i>Sponsors: Erick Gong</i>	Zoom Meeting Room
11:30am – 11:45am	S	Teaching Languages with Music - Foundations and Beliefs <i>Presenters: Kyle Kuzman, '21</i> <i>Sponsors: Bettina Matthias</i>	Zoom Meeting Room
11:30am – 11:45am	S	The Cost Of Persistent Organic Pollutant Tolerance In Fundulus Heteroclitus Across A Water Temperature Gradient <i>Presenters: Alitzel Villanueva '21</i> <i>Sponsors: Eric Moody</i>	Zoom Meeting Room
11:30am – 11:45am	S	The Fair of the Future: Developments in Society and Modernity at the 1939 New York World's Fair <i>Presenters: Benjamin Beese '21.5</i> <i>Sponsors: Joyce Mao</i>	Zoom Meeting Room
11:30am – 11:45am	S	The Rise & Fall of Whitney Houston <i>Presenters: Ryan Kirby '22</i> <i>Sponsors: Julia Proctor</i>	Zoom Meeting Room
11:30am – 11:45am	S	Towards an Alternative Method for Target Identification: Photoredox Crosslinking in a Protein Model <i>Presenters: Jeanelle Tsai '21</i> <i>Sponsors: Lindsay Repka</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	"Coughing While Asian": The Spread of Xenophobia through Media and the Impact of Anti-Asian Hate on AAPI Identity and Mental Health during the COVID-19 Pandemic <i>Presenters: Ho June (Sean) Rhee '21</i> <i>Sponsors: Martin Abel</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	Custom and Power: Ancient Constitutionalism in Dutch Political Thought, 1565-1625 <i>Presenters: George Werner '21</i> <i>Sponsors: Paul Monod</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	Examining Religion at Middlebury: Missionaries, Courses, and Discourse Over the Years <i>Presenters: Lucy Weiss '21</i> <i>Sponsors: Jenn Ortegren</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	It was about Community: Pan-Asian Affinity Space Formations at a Predominantly White Institution <i>Presenters: Anton Gallegos '21</i> <i>Sponsors: Chong-Suk Han</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	Sourland Mountain Stories <i>Presenters: George Cole '21</i> <i>Sponsors: Megan Mayhew-Bergman</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	Swift, Certain, and Fair Prison Sanctioning: Does Washington State Prove Its Effectiveness? <i>Presenters: Nolan Shapiro '21</i> <i>Sponsors: Andrea Robbett</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	The Body, the State, and the Citizen: Tracing an Iconography of State Violence from Jim Crow to George Floyd <i>Presenters: Warren Lundsgaard '21</i> <i>Sponsors: Sarah Rogers</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	The Influence of Retail Investors Through Robinhood on Small-Cap Stock Volatility <i>Presenters: Thomas Tarantino '21</i> <i>Sponsors: Caitlin Myers</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	The Submerged Footprint of the Tasman Glacier, New Zealand <i>Presenters: Camryn Kluetmeier '21.5</i> <i>Sponsors: William Amidon</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	Thinking in Reverse: Uncovering the True Role of Three Borrelia burgdorferi Enzymes Annotated as Phosphofructokinases <i>Presenters: Andrew Gleason '21</i> <i>Sponsors: Bob Cluss</i>	Zoom Meeting Room

12:00pm – 12:15pm	S	Toxic Algal Blooms: A "Viral" Trend Taking Over Aquatic Ecosystems <i>Presenters: Matthew Brockley '23</i> <i>Sponsors: Erin Eggleston</i>	Zoom Meeting Room
12:00pm – 12:15pm	S	Where are Ethics in Data Practices? <i>Presenters: Xiaoying(Katelyn) Mei '22</i> <i>Sponsors: Alex Lyford</i>	Zoom Meeting Room
12:00pm – 12:45pm	S	Lessons From Conducting Research in WRPR 0212: Issues and Methods in Tutoring Writing <i>Presenters: Molly Burnett '22, Bella Cady '22.5, Emily Jones '23, Mia Pangasnan '23, Molly Grazioso '23.5, Kent Canonigo '24, Nathaly Martinez '24, John McCulloch '24, Jack Torpey '24, James Cooper Lamb '23</i> <i>Sponsors: Genie Giaimo</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	1821-2021: 200 Years After the Greek Revolution Remembering the Past to Envision the Future <i>Presenters: Andreas Zeis '21</i> <i>Sponsors: Maria Hatjigeorgiou, Pavlos Sfyroeras</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	Behind the Curtains and In the Spotlight: Critiquing Abjection and Discovering the Effects of Asian American Representation in Performance <i>Presenters: Emily Ballou '21</i> <i>Sponsors: Michole Biancosino</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	Classed Conservation: Socio-Economic Drivers of Participation in Marine Resource Management <i>Presenters: Courtney Gantt '22</i> <i>Sponsors: Mez Baker-Médard</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	Disability and Disablement: Incarceration in the United States and Australia <i>Presenters: Nikki Sadat '23.5</i> <i>Sponsors: Susan Burch</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	Leveraging Unknown Structure in Quantum Query Algorithms <i>Presenters: Jay-U Chung '23, Noel Anderson '23</i> <i>Sponsors: Shelby Kimmel</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	Media Coverage of Black Lives Matter <i>Presenters: Nicolas Pantelick '24</i> <i>Sponsors: Erik Bleich</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	On vs Off-Campus Living Status, Personality, and Stress, Anxiety and Depression in College Students during the Covid-19 Pandemic <i>Presenters: Madelyn Lander '23</i> <i>Sponsors: Martin Seehuus</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	Structural Modeling of S. Mutans Proteins Involved in Cariogenesis <i>Presenters: Alec Wilson '21</i> <i>Sponsors: Grace Spatafora</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	The Effect of Cognitive Load on Risk Taking and Susceptibility to the Illusion of Control <i>Presenters: Henry McDonough '21.5</i> <i>Sponsors: Jeffrey Carpenter</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	The Effects of Male Migration on Female Socioeconomic Development in Egypt <i>Presenters: Araceli Arizpe '21</i> <i>Sponsors: Robert Greeley</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	The Solution to an Imperfect Nation: Mass European Immigration 1880-1940 as a Means of Racially Whitening and Modernizing Brazil <i>Presenters: Paula Somoza '21.5</i> <i>Sponsors: Louisa Burnham</i>	Zoom Meeting Room
12:15pm – 12:30pm	S	Unconcerned or Uninformed? The Effect of Increased Transparency on Personal Data Value <i>Presenters: Wyllis McKissick '20.5</i> <i>Sponsors: Martin Abel</i>	Zoom Meeting Room

12:30pm – 12:45pm	S	A Speculative App: Challenging Biases in Job Application Algorithms <i>Presenters: Cynthia Chen '22</i> <i>Sponsors: Shelby Kimmel</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Closing Time: Organized Crime, Government Monopolies, and Unique Firm Structures in the Alcohol Industries of Sweden and the United States in the 1920s and 1930s <i>Presenters: Porter Bowman '21.5</i> <i>Sponsors: Amanda Gregg</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Daza's Video Diary: Staying Sane During Quarentine <i>Presenters: Luis Daza Mendoza '22</i> <i>Sponsors: Thomas Moran</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Evidence of an Olfactory Imprinting Window in Embryonic Atlantic Salmon <i>Presenters: Malia Armstrong '22.5</i> <i>Sponsors: Eric Moody</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Graywacke <i>Presenters: Ariadne Will '22</i> <i>Sponsors: Spring Ulmer</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Hidden Benefits: The Effect of Face Masks on Discrimination against Asians <i>Presenters: Zhewei Yang '21</i> <i>Sponsors: Martin Abel</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Imagining the Jewish Body: Motherhood, Zionism, and Diaspora <i>Presenters: Rachel Horowitz-Benoit '21</i> <i>Sponsors: Marion Wells</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Mineralogical and Geochemical Analysis of Low-Grade Metamorphism of the Champlain Valley Sequence, Western Vermont <i>Presenters: Isabelle Davis '21</i> <i>Sponsors: Dave West</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Ovarian Metabolism of the Common Plasticizers BPA and BPS <i>Presenters: Trishabelle Manzano '21</i> <i>Sponsors: Catherine Combelles</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	The Moving Target: Brazilian Pardo Identity and its Constitution of Racial Space <i>Presenters: Megan Salmon '21</i> <i>Sponsors: Daniel Silva</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	Trumpism: An Ethnographic Study of Anxiety, Agency, and the American Dream <i>Presenters: Bochu Ding '21</i> <i>Sponsors: Ellen Oxfeld</i>	Zoom Meeting Room
12:30pm – 12:45pm	S	“Encouraged to Ignore”: How Can Critical Education Help Make Conservations Maps More Inclusive? <i>Presenters: Jacob Freedman '21</i> <i>Sponsors: Jeff Howarth</i>	Zoom Meeting Room
12:45pm – 1:00pm	S	The Unseen Heroine: Finding the Modern Myth through Hong Ying’s Summer of Betrayal, Daughter of the River, and Mimidola <i>Presenters: Shana Kushevski '21</i> <i>Sponsors: Carrie Wiebe</i>	Zoom Meeting Room
2:00pm – 2:45pm	A	Deserted Empire: Mesopotamia, Oil, and an Evolution of Britain's Imperial Appetite <i>Presenters: Pierce Gidez '21</i> <i>Sponsors: Ian Barrow</i>	Online Poster
2:00pm – 2:45pm	A	Development of a Carbon Neutral Compressed Air Dirt Bike <i>Presenters: CJ Thacker '21.5, Liam Bent '21</i> <i>Sponsors: AJ Vasiliou</i>	Online Poster
2:00pm – 2:45pm	A	Investigative Interviewing Techniques <i>Presenters: Alyssa Figueroa '22, Julia McClain '22, Jaime Donnelly '21, Fayza Shammin '20.5</i> <i>Sponsors: Michelle Mccauley</i>	Online Poster

2:00pm – 2:45pm	A	Patchwork Seattle <i>Presenters: Olivia Kilborn '24</i> <i>Sponsors: Thomas Moran</i>	Online Poster
2:00pm – 2:45pm	A	The Liminal Identity <i>Presenters: Catherine Marshall '21</i> <i>Sponsors: Sarah Rogers</i>	Online Poster
2:00pm – 2:45pm	P	A Communications Approach to Clean Energy Politics in Vermont 2021 <i>Presenters: Gillinda James '21, Claire Martens '21, Riley Board '22, Camille Gonzalez-Williamson '24, Clara Bass '24, Kat Elliot-Grunes '24, Margot Goldsmith '24, Henry Gustavson '24, Mary Scott Robinson '24, Andrew Shearson '24, Aaron Tobias '24, Ashley Raynor</i> <i>Sponsors: Marybeth Nevins</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	At Least I Can Cry During Movies <i>Presenters: Hannah Blake '21</i> <i>Sponsors: David Miranda Hardy</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Defining and Measuring "Successful" Lake Restoration. <i>Presenters: Gardner Olson '22</i> <i>Sponsors: Eric Moody</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Developing a Minimal GIS Plugin for Teaching Introductory QGIS <i>Presenters: Maja Cannavo '21</i> <i>Sponsors: Joseph Holler</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Exploring the Ongoing Power Dynamics of the Middlebury College Built Environment <i>Presenters: Ella Houlihan '21, Cheryl Engmann '22</i> <i>Sponsors: Erin Sassin</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Fire Resource Area Coverage & Response Time across Vermont <i>Presenters: John Cambefort '21.5, Halcyon Brown '21.5</i> <i>Sponsors: Andrea Vaccari</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Impact of Testosterone on Stages of Neurogenesis in the Dentate Gyrus of Adult Male Rats <i>Presenters: Dantong Xu '22, Anthony Bongiorno '21</i> <i>Sponsors: Mark Spritzer</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Interaction Between Groundwater Systems in Weybridge, VT <i>Presenters: Torre Davy '21, Emma Waugh '21.5, Jack Brady '21</i> <i>Sponsors: Pete Ryan</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Measuring Student Energy Consumption and Intrinsic Motivation <i>Presenters: John Cambefort '21.5, Irith Fuks '21.5, Culton Koster '21.5</i> <i>Sponsors: Michelle Mccauley</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Picture a Physicist <i>Presenters: Audrey Anigbo '24</i> <i>Sponsors: Michael Durst</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Pulse Shaping in Microscopes <i>Presenters: Sydnie Hom '21</i> <i>Sponsors: Michael Durst</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	Temporal Methods for Identifying Tree Cover Gain: Case Study from Tanzania <i>Presenters: Vincent Falardeau '22, Brooke Laird '22</i> <i>Sponsors: Niwaeli Kimambo</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	The Effect of <i>Wyeomyia smithii</i> on Community Respiration and Microbial Evolution in <i>Phytotelmata</i> of <i>Sarracenia purpurea</i> <i>Presenters: Seiha San '22</i> <i>Sponsors: Eric Moody</i>	Bi Hall Poster Viewing and Online
2:00pm – 2:45pm	P	The PiSpy: an Affordable Image and Video Recording Platform <i>Presenters: Benjamin Morris '22</i> <i>Sponsors: Greg Pask</i>	Bi Hall Poster Viewing and Online

2:00pm – 2:45pm	P	Yue <i>Presenters: Sabian Edouard</i> <i>Sponsors: Thomas Moran</i>	Bi Hall Poster Viewing and Online
3:00pm – 3:45pm	Y	Intergenerational Justice: The Fight for Identity Recognition in Post-Dictatorial Argentina <i>Presenters: Alexandra Needham '21</i> <i>Sponsors: Patricia Saldarriaga</i>	Online Recording
3:00pm – 4:00pm	Y	A City with Two Ways of Life: The Effect of Hukou System on Rural-urban Migrants in Shenzhen's Urban Village <i>Presenters: Zixi (Albert) Zhao '24</i> <i>Sponsors: David Stoll</i>	Online Recording
3:00pm – 4:00pm	Y	A Treatise of Fysshynge Wyth an Angle (1496): Sport Fishing and Conservation in late Medieval England <i>Presenters: Xan Ottenberg '22</i> <i>Sponsors: Louisa Burnham</i>	Online Recording
3:00pm – 4:00pm	Y	Acknowledging Home(lands) <i>Presenters: Annabelle Wyman '24.5, Tate Sutter, Faith Wood '24.5, Zelda Mayer '24.5, Rose Robinson '24.5, Sylvie Linck '24.5, Phoebe Davis '24.5, Erin Dahl '24.5, Sarah Mines '24.5, Bailey Walker, Samuel Bell '24.5, Robin Potter '24.5</i> <i>Sponsors: Olga Sanchez Saltveit</i>	Online Recording
3:00pm – 4:00pm	Y	Antifa vs. The Proud Boys and Ritualized Violence in Portland <i>Presenters: Camille Gonzalez-Williamson '24</i> <i>Sponsors: David Stoll</i>	Online Recording
3:00pm – 4:00pm	Y	Application of Singular Value Decomposition on Solar Image Compression <i>Presenters: Jiujiu (Blake) Zhou '21</i> <i>Sponsors: Michaela J. Kubacki</i>	Online Recording
3:00pm – 4:00pm	Y	Battling Identities: How the Children of Racist Ideologies Create their own Spaces <i>Presenters: Gillinda James '21</i> <i>Sponsors: Patricia Saldarriaga</i>	Online Recording
3:00pm – 4:00pm	Y	Early Alcohol Use and its Effect on Risky Behaviors in Adolescents <i>Presenters: Marissa Smith '21</i> <i>Sponsors: Zu Wei Zhai</i>	Online Recording
3:00pm – 4:00pm	Y	Gender Discrimination in the Hiring Process in Tech Industry <i>Presenters: Keun Young (Jennifer) Ko '20.5</i>	Online Recording
3:00pm – 4:00pm	Y	Impact of Professor Pronoun Use on Course Interest: Inclusion or Threat? <i>Presenters: Mae Ryan '21</i> <i>Sponsors: Jennifer Sellers</i>	Online Recording
3:00pm – 4:00pm	Y	Improving Least-Squares with RandNLA <i>Presenters: Aiden Snorek-Yates '22.5, Christian Newton '21</i> <i>Sponsors: Michaela J. Kubacki</i>	Online Recording
3:00pm – 4:00pm	Y	Ladino in the Sephardic diaspora <i>Presenters: Adrienne Sugarman '21</i> <i>Sponsors: Patricia Saldarriaga</i>	Online Recording
3:00pm – 4:00pm	Y	Reproducibility of a Geographical Study on the Effects of Wind Turbines on Bat Fatalities in the Northeast United States <i>Presenters: Madeleine Tango '21.5</i> <i>Sponsors: David Allen, Joseph Holler</i>	Online Recording
3:00pm – 4:00pm	Y	Rethinking Humanitarian Aid: A Local Approach <i>Presenters: Lia Swiniarski '21.5</i> <i>Sponsors: Sarah Stroup</i>	Online Recording
3:00pm – 4:00pm	Y	The Rise of Vox in Spain <i>Presenters: Cameron Pollock '21</i> <i>Sponsors: Patricia Saldarriaga</i>	Online Recording

3:00pm – 4:00pm

Y **Today's Civil Rights Movement: Systemic Racism and Chronic Homelessness Among Black Men in Los Angeles**

Online Recording

Presenters: Mireille Becerra '21

Sponsors: Patricia Saldarriaga

3:00pm – 4:00pm

Y **When Analyticity Meets Meaning Holism**

Online Recording

Presenters: Xinyue Xu '21.5

Sponsors: John Spackman
