THE UNIVERSITY OF VERMONT

Virtual STUDENT RESEARCH CONFERENCE 2020

April 16-23

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#UVMRESEARCH

The University of Vermont

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Aristizábal, Natalia	Ecological Agriculture, CALS	Climate and land-use change effect on bees and pollination services in coffee farms	Taylor Ricketts	Agriculture
Brodie, Charlotte	Wildlife Fisheries Biology, RSENR	Characterizing morphological and genetic variation of soil fungal pathogen Rhizoctonia solani	Deborah Neher	Agriculture
Cronin, Mariah	Environmental Studies, CAS	Groundwater phosphorus dynamics in an agricultural riparian buffer	Carol Adair	Agriculture
Forauer, Emily and Aislinn Gilmour	Nutrition & Food Sciences, CALS	Mature Biofilms of Listeria Monocytogenes from VT Dairies Are Resistant to QACs	Andrea Etter	Agriculture
Gorstein, Matthew	Plant Biology, CALS	Salty Beans: The Effects of Moderate Salt Stress on Nodule Formation in Medicago truncatula	Jeanne Harris	Agriculture
Lewis, Connor	Plant Biology, CALS	An Investigation into a Retriever-mediated Recycling Pathway in Arabidopsis thaliana	Mary Tierney	Agriculture
Morrow, Beck	Ecological Agriculture, CALS	Evaluating Nutrient Excess in Industrial Hemp (Cannabis sativa) Agricultural Production	Eric Bishop von Wettberg	Agriculture
Pease, Sean	Plant & Soil Science, CALS	A New Cover Crop for Vermont Farmers: The Annual Lupin	Eric Bishop Von Wettberg	Agriculture
Razavi, Ali (Shervin)	Biology, CAS	The biological control of Western Flower Thrips by endophytic fungi Beauveria bassiana	Bruce L. Parker	Agriculture
Rowlands, Haley	Plant Biology, CALS	A transgenic approach to testing functional divergence of stress-responsive GROWTH REGULATORY FACTOR genes across flowering plants	Jill Preston	Agriculture

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Brooks, Stephanie	English, CAS	"Coming Out" in the Modern Novel	Valerie Rohy	Arts & Humanities
Bruggerman, Emily	Political Science, CAS	A "Symphonic" Approach to *Vospitanie* and *Obrazovanie*: Education Policy in the Putin Era	Kevin McKenna	Arts & Humanities
Close, Greta	Accelerated RN, CNHS	The Mother and Child: Examining Materiality and Aesthetic of Luba Art in Western Museums	Vicki Brennan	Arts & Humanities
Jodoin, Allison	Latin, CAS	Sub Imagine Somni: Ovid's Dream Words in the Metamorphoses	Angeline Chiu	Arts & Humanities
Kirstein, Aleda	Studio Art, CAS	Liminal Bodies	Pamela Fraser	Arts & Humanities
Mitchell, Jordan, Bailey Brown, Kylie Elliott, Max Gailey, Kyra Johnston, Luke Nawrocki, Katlyn Tabliabue	Music (1st author), CAS	CBDNA: Intercollegiate Band Eastern Division 2020	D.Thomas Toner	Arts & Humanities
Naylor, Everett	Religion, CAS	Religion Nationalism and State in Francoist Spain	Thomas Borchert	Arts & Humanities
November, Zoey	Dance, CAS	Nocturnal Encounter	Paula Higa	Arts & Humanities
Roach, Emma	German, CAS	The indefinite pronoun 'one': A contrastive analysis of German to English translation using corpus linguistics	Guillermo Rodriguez	Arts & Humanities
Robinson, Zoe	Philosophy, CAS	Investigating the Harm of Testimonial Injustice	Kate Nolfi	Arts & Humanities

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Walton, Camille	History, CAS	The Guinea Pig Club: Social Support and Developments in Medical Practice	Steven Zdatny	Arts & Humanities
Zigler, Miranda	Secondary Education, CESS	The Historical Significance of Nazi Education Systems	Alan Steinweis	Arts & Humanities
Curl, Azilee	Neuroscience, CAS	Theta Wave Coherence in Pre-Semantic Processing: An EEG study of Autism Spectrum Disorder	Emily Coderre	Autism Spectrum Disorder
Dahal, Bidur	Communication Sciences & Disorders, CNHS	Information for US-based professionals to support ethnically Nepali children with autism and their families in the US	Patricia A Prelock	Autism Spectrum Disorder
Donepudi, Sindhu	Neuroscience, CAS	The Development of Theory of Mind in a Child with ASD and His Siblings	Patricia Prelock	Autism Spectrum Disorder
Moran, Emily	Communication Sciences & Disorders, CNHS	The Influence of Social Story interventions based on Maternal Education in Individuals with Autism Spectrum Disorder (ASD).	Patricia Prelock	Autism Spectrum Disorder
Sheehy, Hannah	Communication Sciences & Disorders, CNHS	Theory of Mind Understanding, Language Complexity, and Story Coherence of Children with ASD Following a Parent-Delivered Narrative Intervention	Patricia Prelock	Autism Spectrum Disorder
Allen, Dakota	Biomedical Engineering, CEMS	Using Machine Learning to Evaluate Biomechanics of Those Living with Multiple Sclerosis	Ryan McGinnis	Engineering & Math
Beattie Jr., Robby	Computer Science, CEMS	Biosecurity Education Thought Augmented Reality Simulations	Scott Merrill	Engineering & Math
Daniels, Alexander	Complex Systems, CEMS	Exploring the Space of Null Models	Laurent Hebert Dufresne	Engineering & Math

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Donahue, Nicole	Biomedical Engineering, CEMS	Survey of neuromusculoskeletal models to inform wearable sensor based joint reaction estimates	Ryan McGinnis	Engineering & Math
Downs, Isaac	Biomedical Engineering, CEMS	Vibrational Cueing and its Potential to Lessen the Detrimental Effects of Cognitive Tasks on Walking Stability	Ryan McGinnis	Engineering & Math
Eberling, Jennifer	Statistics, CEMS	Predictive Modeling of the University of Vermont Women's Basketball Games	Bernard Cole	Engineering & Math
Fennelly, Evan	Electrical Engineering, CEMS	Beamforming with a 2.4 GHz Tripolar IoT Antenna	Jeff Frolik	Engineering & Math
Fortin, Aiyana	Biomedical Engineering, CEMS	Optimization of a Molecularly-Imprinted Material for Treatment of Biofilm Infections	Amber Doiron	Engineering & Math
Gallagher, Gillian and Ali Khorasani	Civil Engineering, CEMS	Roadway Reclamation and Base Stabilization Technologies	Ehsan Ghazanfari	Engineering & Math
Grasso, Caitlin	Computer Science, CEMS	Minimal model of regeneration	Josh Bongard	Engineering & Math
Green, Maxfield	Complex Systems, CEMS	Data Driven Stochastic Models of Wildfire Spread	Chris Danforth	Engineering & Math
Grindle, Ryan	Mathematical Sciences, CEMS	Transfer Learning Capable Symbolic Regression	Jim Bagrow	Engineering & Math
Gurchiek, Reed	Mechanical Engineering, CEMS	Estimating unmeasured muscle excitations using Gaussian process regression	Ryan McGinnis	Engineering & Math

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Hamadani, Christine	Biomedical Engineering, CEMS	Green engineering of tunable designer ionic liquid-grafted alginate as a novel natural biomaterial for nanoparticle anti-cancer drug delivery	Rachael Oldinski	Engineering & Math
Hewgill, Blake	Electrical Engineering, CEMS	A Low-Cost Modular Health Monitoring Garment	Ryan S. McGinnis	Engineering & Math
Langle-Chimal, Ollin	Complex Systems, CEMS	Learning in a Decision Making Process Through Serious Games	Nicholas Cheney	Engineering & Math
Liu, Sida and Sam Kriegman	Complex Systems, CEMS	GPU-Accelerated Evolutionary Robotics	Josh Bongard	Engineering & Math
Matt, Jeremy	Complex Systems, CEMS	Detection and classification of connectional silences in palliative care conversations using deep learning	Donna Rizzo	Engineering & Math
Myhaver, Vanessa	Mathematical Sciences, CEMS	Stability of the L4 and L5 Lagrange Points: An Explanation of Jupiter's Trojan Asteroids	Francois Dorais	Engineering & Math
Palmer, Colin, Brandon Nimberger, Lane Feldeisen	Civil Engineering, CEMS	Investigation into measuring low levels of cohesion of regolith simulants	Mandar M. Dewoolkar	Engineering & Math
Parsa, Atoosa	Complex Systems, CEMS	Robots Made of Robots	Josh Bongard	Engineering & Math
Philbrick, George	Electrical Engineering, CEMS	Design of an Axial Flux Alternator with PCB-Embedded Stator Coils Using Algorithmic Coil Generation and Optimization	Eva Cosoroaba	Engineering & Math
Pockels, Leonardo and Reza Filizadeh	Civil Engineering, CEMS	ARMA Models for Detection of Earthquake-Induced Damage in Instrumented Buildings	Eric Hernandez	Engineering & Math

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Pond, Tyson	Mathematical Sciences, CEMS	Complex contagion features without social reinforcement in a model of social information flow	James Bagrow	Engineering & Math
Powers, Jennifer	Neuroscience, CAS	Gamma-Band EEG and Pupil Dilation to Negative Words as Biomarkers of Preservative Negative Thinking in Anxiety and Depression: An RDoC Study	Kelly Rohan	Engineering & Math
Solomon, Paul	Computer Science, CEMS	Exploring Accessibility and Applications of Laser Cut Contour Topography Maps	Jason Hibbeler	Engineering & Math
Ursiny, Anna	Biomedical Engineering, CEMS	Synergy Analysis Using Wearable Sensors Reveals Impact of Age on Motor Function	Ryan McGinnis	Engineering & Math
Worley II, Robert	Civil Engineering, CEMS	Investigation into microbial alteration of extraterrestrial regolith simulants for cementation and induced cohesion in support of NASA's in-situ resource utilization efforts	Mandar M. Dewoolkar	Engineering & Math
Worley, Lindsay	Civil Engineering, CEMS	Floodplain Reconnection Optimization with 2D HEC-RAS	Kristen Underwood	Engineering & Math
Zhang, Yan	Electrical Engineering, CEMS	Software Defined Doppler Radar for LandmineDetection using GA-Optimized Machine Learning	Tian Xia	Engineering & Math
Loury, Marisa	Anthropology, CAS	The Cows Don't Milk Themselves: Using Worker-Driven Social Responsibility to Fight Labor Injustice on Vermont's Dairy Farms	Teresa Mares	Ethnography & Food Systems
Grinder, Adrianna	Anthropology, CAS	The Community Kitchen Academy: A Vision for Community Food Security	Teresa Mares	Ethography & Food Systems
Nelson, Georgia	Anthropology, CAS	Back to School: A Qualitative Assessment of Public School Food Policies and their Value to Cultivate Healthy Eating Habits	Teresa Mares	Ethography & Food Systems

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Tylke, Claire	Anthropology, CAS	Growing Relations: The Intersection of Food and Farm Security in Chittenden County, Vermont	Teresa Mares	Ethography & Food Systems
Berube, Meredith	Environmental Studies, CAS	An assessment of Australian coral reef health with tourism management recommendations for global climate change impacts	Elizabeth Carol Adair	Food & Environment
Coates, Gordon	Environmental Studies, CALS	Do Predators Prefer Seasoning?	Nathan Sanders	Food & Environment
Coppola, Isabel	Environmental Studies, CAS	Climate Action at UVM: Researching Internal Carbon Pricing (ICP) as a Policy Mechanism to Reduce Carbon Emissions	Amy Seidl	Food & Environment
Cunningham, Naomi	Community Development & Applied Economics, CALS	Anchor Institutions Role in Food System Resilience	David Conner	Food & Environment
Fein-Cole, Maya	Environmental Science, RSENR	Spatial Modeling of Resource Recovery and Reuse using Sri Lankan Composting Systems as an Example	Eric Roy	Food & Environment
Geller, Sarah	Dietetics, Nutrition & Food Science, CALS	Do knowledge and beliefs about calcium content influence preference for dairy vs. plant-based milk products?	Emily Morgan	Food & Environment
Goldfarb, Sadye	Environmental Science, RSENR	The Effects of Hypoxia on Zooplankton Population Estimates and Migration in Lakes	Jason Stockwell	Food & Environment
Gorbunova, Nia	Community & International Development, CALS	Characterizing Seed Libraries in Vermont	Daniel Tobin	Food & Environment
Isbell, Carina	Community & International Development, CALS	Seed Producer Motivations for Maintaining Crop Diversity in Vermont	Daniel Tobin	Food & Environment

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Juozelskis, Siga, Joanne Berger, Korbyn Gehlbach	Environmental Science, CAS	Nitrogen Levels in Franklin County, Vermont Streams Through Agricultural and Forested Settings	Julia Perdrial	Food & Environment
Landis, Juliana	Environmental Science, CAS	Lemna Minor as an Ecological Tool for Vermont Farmers	Beverley Wemple	Food & Environment
Laverick, Mackenzie	Plant Biology, CALS	The effect of a commercial rhibozial inoculant on nodule and tuber formation and plant health in legumes.	Eric Bishop-von Wettberg	Food & Environment
Lisle, Isabel	Environmental Studies, CAS	UVM's Roadmap to Zero Waste	Laurie Kutner	Food & Environment
Loutchko, Nina	Environmental Science, RSENR	Microplastics as a physical growth substrate for freshwater algal species	Mindy Morales-Williams	Food & Environment
Moore, Maya	Food Systems, CALS	Agroecological Practices as Tools for Resilience: Lessons from Small, Diversified Farms in Puerto Rico During and After Hurricane Maria	Travis Reynolds	Food & Environment
Norris, Joscie	Environmental Studies, RSENR	Vansemberuu of Khuvsgul, Mongolia: ecology, community knowledge, and conservation of an endangered medicinal flower	Nate Sanders	Food & Environment
Petty, Julia	Environmental Science, RSENR	Seasonal Nitrogen Cycling in Agricultural Riparian Groundwater	Julia Perdrial	Food & Environment
Pinover, Laura	Environmental Studies, RSENR	Pass the Salt? Examining the Effects of Sodium on Foraging Activity Among Vermont's Ant Communities	Nathan Sanders	Food & Environment
Porterfield, Katherine	Natural Resources, RSENR	Phosphorus recovery and reuse from anaerobically digested dairy manure	Eric Roy	Food & Environment

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Rose, Nick	Food Systems, CALS	Consumer use of food labels increases as "clean label" trend continues	Jane Kolodinsky	Food & Environment
Sovcik, Ellie	Environmental Science, RSENR	Influence of the Missisquoi Wetland on riverine nutrient cycling under different flow regimes	Carol Adair	Food & Environment
Urbani, John	Computer Science, CEMS	Biosecurity Practices Through Multiplayer Simulations	Scott C Merrill	Food & Environment
Wiegman, Adrian	Natural Resources, RSENR	Parameterizing Functions of Soil-Water Soluble Reactive Phosphorus Flux for an Ecohydrological Model of Formerly Drained Riparian Wetlands in the Lake Champlain Basin	Eric Roy	Food & Environment
Baraev, Aleksandr	Biological Science, CALS	Role of Slam/SAP signaling pathway in the regulation of $\gamma\delta$T cells in the skin and psoriasis progression	Jonathan Boyson	Health Sci I: Lab
Bednarke, Brooke and Sara Kalb	Biomedical Engineering, CEMS	Uptake of Targeted Activatable Nanoparticles Detecting Reactive Oxygen Species in vitro	Amber Doiron	Health Sci I: Lab
Clarfeld, Laurence	Computer Science, CEMS	Information Flow in Serious Illness Conversation	Margaret J. Eppstein	Health Sci I: Lab
Cozzens, Lauren	Molecular Genetics, CALS	Effects of TR-Beta Specific Agonists on Breast Cancer	Frances E. Carr	Health Sci I: Lab
Deziel, Julia	Neuroscience, CAS	An fNIRS Investigation of the Prefrontal Cortical Processing Demands Associated with a Communication Based Assessment for Mild Cognitive Impairment	Michael Cannizzaro	Health Sci I: Lab
Galinos, Stephanie and Linna Lahmadi	Neuroscience, CAS	Urinary bladder dysfunction in transient receptor potential vanilloid family member 4 (TRPV4) null and wildtype (WT) mice following spinal cord injury (SCI)	Margaret Vizzard	Health Sci I: Lab

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Golden, Emma	Philosophy, CAS	Impact of Hormone Stimulation on Acute Leukemias	Jessica L. Heath	Health Sci I: Lab
Hoffman, Evan	Cellular, Molecular & Biomedical Sci, LCOM	Alveolar Extracellular Matrix Hydrogels Facilitate Proliferation of Induced Pluripotent Stem Cell-Derived Alveolar Epithelial Spheroids	Daniel Weiss	Health Sci I: Lab
Klopfer, Connor	Complex Systems, CEMS	Patterns of Enteric Coinfection in Infants Under 1 Year of Age in LMIC Countries	Laurent Hebert-Defresne	Health Sci I: Lab
Kogut, Sophie	Biological Science, CAS	Association analysis of endogenous retrovirus expression with myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS)	Dawei Li	Health Sci I: Lab
Lepeak, Lauren	Accelerated RN, CNHS	The Whole Brain Expression of Pituitary Adenylate Cyclase Activating Peptide (PACAP) from the Bed Nucleus of the Stria Terminalis (BNST); New Focus of the Medial Habenular Nucleus (MHb) and Stria Medullaris	Sayamwong E Hammack	Health Sci I: Lab
Mak, Lena	Biological Science, CAS	The Tumor Suppressor Runx1 is a Negative Regulator of Hypoxia-Inducible Factor-1α (HIF-1α) in Breast Cancer Cells	Karen M. Lounsbury	Health Sci I: Lab
McCann, Cai	Biology, CAS	Dissecting the mechanisms of repeat expansion in the Fragile X-related disorders	Lori Stevens	Health Sci I: Lab
Moulin, Chloe	Animal Science, CALS	MicroRNA Isolated from Healthy and Diseased Lung Extracellular Matrix Differs in Profile	Daniel Weiss	Health Sci I: Lab
Nuckols, Christopher	Microbiology, CALS	Developing a Protocol to Co-Seed Multiple Cell Lines in the same Media	Daniel Weiss	Health Sci I: Lab
Pepin, Rachel	Biochemistry, CAS	The Role of Glycogen Metabolism in B Cell Effector Function	Eyal Amiel	Health Sci I: Lab

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Queen, Katie	Cellular, Molecular & Biomedical Sci, GC	Investigating the Role of KIF18A in Satisfying the Spindle Assembly Checkpoint	Jason Stumpff	Health Sci I: Lab
Schmidt, Madaline	Microbiology, CALS	Investigating the Role of RabGTPases in the Replication of the Mammareanavirus Junín	Emily Bruce	Health Sci I: Lab
Snyder, Julia	Cellular, Molecular & Biomedical Sci, CNHS	Genetic regulation of nitric oxide -dependent mitochondrial metabolism and immune function in dendritic cells	Eyal Amiel	Health Sci I: Lab
Sowulewski, Piotr	Biochemistry, CAS	Characterizing the Transcriptome of Glioblastoma Multiforme from Publicly Available Databases	Delphine Quenet	Health Sci I: Lab
Tanneberger, Alicia	Biomedical Engineering, CEMS	Stiffness And Composition Of Diseased Lungs Modulates Cell Behavior: Novel In Vitro Model	Daniel Weiss	Health Sci I: Lab
Whitley, James	Biological Science, CALS	DAIRY DERIVED FATTY ACIDS IMPACT PANCREATIC BETA CELL FUNCTION	Thomas Jetton	Health Sci I: Lab
Woodard, Lauren	Psychological Science, CAS	The Role of Mixed Versus Consistent Reinforcers in Habit Development	Mark Bouton	Health Sci I: Lab
Becker, Chloe	Biochemistry, CAS	A Novel Histological Method for Analyzing Cell Morphology within Decellularized Extracellular Matrix Hydrogels	Daniel Weiss	Health Sci II: Clinical
Buchman, Ross	Biochemistry, CAS	The Effect of Next-Generation Menin-MLL Inhibitors on Glioblastoma Cell Lines	Mathias Brewer	Health Sci II: Clinical
Celenza, Gianna	Neuroscience, CAS	Hyperglycemic attenuation of the innate immune response of the pulmonary system in diabetic patients with acute respiratory distress syndrome	Benjamin Suratt	Health Sci II: Clinical

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Cray, Hailey	Biology, CAS	Retrospective Chart Review of Patients in Medication-Assisted Therapy in Their First Year Postpartum to Assess Retention	Marjorie Meyer	Health Sci II: Clinical
Dolce, Leianna	Neuroscience, CAS	Effects of Media Use on Intimate Partner Violence Acceptance in Adolescents	John Green	Health Sci II: Clinical
Dubuque, Jack	Medical, LCOM	Clinical Significance of Serum Cardiac Troponin I Measurements Less Than The 99th Percentile	Ramsey Herrington	Health Sci II: Clinical
Hannigan, Julia	Medical, LCOM	Examining the Association Between Cannabis Use and Psychosis after Vermont 2018 Change in Marijuana Legislation	Genevieve Williamson	Health Sci II: Clinical
Higgins, Maeve	Nursing, CNHS	Increasing Support for Opioid Exposed Newborns: A Quality Improvement Project	Marianne Rideout	Health Sci II: Clinical
Hogan, Tyler and Jena Eaton	Microbiology, CALS	Characterizing STK11 Variants of Unknown Significance Identified in Vermont Patients	Paula B Deming	Health Sci II: Clinical
Iyiewuare, Praise	Psychological Science, CAS	Body Mass Index and Atypical Balance as Predictors of Seasonal Affective Disorder Treatment Outcomes	Kelly Rohan	Health Sci II: Clinical
McLaughlin, Kyle	Biological Science, CAS	Structural and functional insights into the recognition of mono- and di-acetyllysine histone tail modifications by the ATAD2 and ATAD2B bromodomains	Seth Frietze	Health Sci II: Clinical
Meyer, Brett	Biomedical Engineering, CEMS	Wearables and Deep Learning Classify Fall Risk from Gait in Multiple Sclerosis	Ryan McGinnis	Health Sci II: Clinical
Middleton, William	Political Science, CAS	Depressive Symptom Benchmarking within Cardiac Rehabilitation	Diann E. Gaalema	Health Sci II: Clinical

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Molind, Owen	Biology, CAS	Development of a Psychiatric Risk Score (PRiS) Tool for Psychiatric Patients in Medical Emergency Departments	Eike Blohm	Health Sci II: Clinical
Nolan, Margo	Biology, CAS	The Effect of Caloric Balance on Disease Progression and Survival in ALS Patients	Rup Tandan	Health Sci II: Clinical
Paradee, Brennan	Accelerated RN, CNHS	Intracluster Correlation Coefficients in Healthcare Research	Abigail Crocker	Health Sci II: Clinical
Powers, Joshua	Computer Science, CEMS	Search Agnostic Interactive Evolution	Josh Bongard	Health Sci II: Clinical
Price, Katherine	Health Sciences, LCOM	Women's use of primary care in the first two years postpartum	Martha Seagrave	Health Sci II: Clinical
Radoncic, Violet and Lila Johnson	Biology, CAS	Prevalence and accuracy of medical alert information on cellular phones	Eike Blohm	Health Sci II: Clinical
Radoncic, Violet, Lila Johnson, Alex D'Amico	Biology, CAS	Point of Care I-STAT Troponin	Alison Sullivan	Health Sci II: Clinical
Roy, Gregory	Health Sciences, LCOM	Novel Device for Measuring Lung Function using Oscillometry	Jason H Bates	Health Sci II: Clinical
Tolbert, Davina	Medical, LCOM	Title: A Case of Anaphylaxis Following Topical Black Castor Oil Use.	Joseph Pierson	Health Sci II: Clinical
Trisciuzzi, Merisah	Anthropology, CAS	Preparation and Preservation of Donated Human Skeletal Remains with the use of Dermestid Beetles, Maceration, and Acryloid B-72 Polymer	Gary Mawe	Health Sci II: Clinical

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Vivas Carbo, Alejandra, Nelly Lopez, Morgan Pratt	Medical, LCOM	Child and Adolescent Psychiatry Module	Jeremiah Dickerson	Health Sci II: Clinical
Wall, Danielle	Medical, LCOM	Antibody Immune Response and Protection after Inactivated Influenza Vaccine in Children – A Literature Review	Benjamin Lee	Health Sci II: Clinical
Wills, Joseph	Computer Science, CEMS	Analysis of Word Usage Surrounding Connectional Silences	Robert Gramling	Health Sci II: Clinical
Ashlock, Lauren	Biology, CAS	Impact of short and long-term warming on copepod temperature and salinity tolerance	Melissa Pespeni	Marine Biology
Barnes, Lauren	Environmental Studies, RSENR	Geographic range and variation of Coastal Pantropical Spotted Dolphins (Stenella attenuate graffmani) in the Pacific coast of Central America	Laura May Collado	Marine Biology
Barnes, Summer	Biological Science, CAS	Behavioral budget of the Antillean Manatee at resting holes in Saint George's Caye, Belize	Laura May Collado	Marine Biology
Beaudette, Michael	Biology, CAS	Impact of Boat Activity on Toadfish Presence in Bocas del Toro	Laura May Collado	Marine Biology
Clement, Courtney	Biological Science, CAS	Bottlenose Dolphin Whistle Geographic Variation in the Caribbean	Laura May Collado	Marine Biology
Clotfelter, Avery	Environmental Studies, RSENR	Incorporating automated SPCC into song structure comparison of geographically isolated humpback whale populations	Laura May Collado	Marine Biology
Crooker, Jessica	Biological Science, CAS	Stage and Population Specific Lower Lethal Salinity in Acartia Tonsa Copepods	Melissa Pespeni	Marine Biology

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Darwin, Chelsea	Biological Science, CALS	The Impact of Salinity on Upper Lethal Temperature of Acartia tonsa	Melissa Pespeni	Marine Biology
Gagne, Emma	Biological Science, CAS	Boat traffic in Bocas Del Toro, Panama associated with selection for lower and louder toadfish (Amphichthys cryptocentrus) calls.	Laura May Collado	Marine Biology
Gonzales, Kahlia	Biological Science, CAS	Female Productivity and Calf Survivorship of Bottlenose Dolphins (Tursiops truncatus) in Bocas del Toro, Panama	Laura May Collado	Marine Biology
Helmer, Katherine	Environmental Science, CAS	Analyzing temporal shifts in fish call diversity with acoustic methods near Diablo Island, Costa Rica	Laura May Collado	Marine Biology
Herberg, Matthew	Zoology, CAS	IDENTIFYING THE BEHAVIORS OF HUMPBACK WHALES (MEGAPTERA NOVAEANGLIAE) AT MATING GROUNDS IN GUERRERA, MEXICO	Laura May Collado	Marine Biology
Hutchens, Hannah	Biological Science, CALS	Spatial analysis of mother-calf home ranges for bottlenose dolphins in Bocas del Toro, Panama	Laura May Collado	Marine Biology
Jones, Amanda	Biological Science, CALS	Population viability analysis of coastal bottlenose dolphins targeted by dolphin-watching boats in the Archipelago of Bocas del Toro, Panama	Laura May Collado	Marine Biology
Kerner, Mackenzie	Environmental Science, CALS	Designing a DNA Extraction Protocol to Yield High Quality DNA from S. purpuratus	Melissa Pespeni	Marine Biology
Le Duc, Claire, Abby Martin, Nicole Paolo	Biological Science, CAS	Temporal changes in the soundscape of a tropical marine community	Laura May Collado	Marine Biology
Mangan, Carly	Environmental Science, CAS	Behavioral Budget of Antillean Manatees (Tricheus manatus manatus) of St. George's Caye, Belize	lmaycoll	Marine Biology

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McAree, Danielle	Zoology, CAS	Acoustic analysis of humpback whale (Megaptera novaeangliae) song in breeding grounds off the Pacific coast of Central America.	Laura May Collado	Marine Biology
O'Halloran, Riley	Zoology, CAS	Song activity and structure of the Central American humpback whale breeding stock	Laura May Collado	Marine Biology
Powell, Erin	Zoology, CAS	Social Association Patterns of Bottlenose Dolphins in Bocas del Toro Panama	Laura May Collado	Marine Biology
Renz, Machara, Medwyn Roberts, Daniel Stoddard	Neuroscience, CAS	Dolphin Whistle Geographical Variation in Central America	Laura May Collado	Marine Biology
Saltz, Alyssa, Aidan Mays McKew, Kaitlyn Connors	Neuroscience, CAS	Exploring the Soundscapes of the Gulf of Papagayo in Costa Rica	Laura May Collado	Marine Biology
Siniscalco, Abigail and Emily Dean	Neuroscience, CAS	Changes in Toadfish Acoustic Behavior in Relation to Tourism in Panama	Laura J. May Collado	Marine Biology
Strack, Rachel	Biological Science, CAS	Similarities in song structure between humpback whale populations wintering off the coasts of Costa Rica and Panama	Laura May Collado	Marine Biology
Terhune, Leighanna	Biology, CAS	Almirante Bottlenose Dolphin Whistles	Laura May Collado	Marine Biology
Ziegler, Kate	Biological Science, CAS	Southern Hemisphere Humpback Whale Acoustic Activity and Song Structure in Panama	Laura May Collado	Marine Biology
Appelbaum, Joshua	Biological Science, CALS	Bi-allelic mutations in aminoacyl-tRNA synthetase interacting multifunctional protein 2 are linked to severe developmental encephalopathy and cause attenuation of protein synthesis and impaired cell cycle progression	Christopher Francklyn	Micro, Molecular & Biochem

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Bhattarai, Suraj	Animal, Nutrition, & Food Sciences, CALS	DNA methylation in the regions of structural variation in the limbic system of cattle	Stephanie McKay	Micro, Molecular & Biochem
Burke, Jamie	Animal Science, CALS	Improvement of a filter system for in vitro continuous culture fermenters to maximize protozoa retention	Jana Kraft	Micro, Molecular & Biochem
Chakrawarti, Ashma	Animal, Nutrition, & Food Sciences, CALS	Staphylococcus aureus isolates from humans and cattle on Vermont dairy farms making farmstead cheese belong to different clonal complexes	John W. Barlow	Micro, Molecular & Biochem
Dougherty, Kristen	Biology, CAS	Chagas Disease: Identifying Peptides in Trypanosoma cruzi Mass Spectrometry	Lori Stevens	Micro, Molecular & Biochem
Heininger, Meara	Biochemistry, CALS	Investigation of Factors that Influence Subcellular Mitochondrial Positioning and Dynamics	Brian Cunniff	Micro, Molecular & Biochem
LaFrance, Ethan	Molecular Genetics, CALS	Design of a novel construct for live cell imaging of ezrin-actin association using Förster Resonance Energy Transfer (FRET)	Markus Thali	Micro, Molecular & Biochem
Looney, Raymond	Biological Science, CAS	Determining the ability of avian species to act as vectors for ranavirus transmission	Nicholas Gotelli	Micro, Molecular & Biochem
Makosiej, Maryann	Biological Science, CALS	Airborne S. aureus Transmission In Poultry	John Barlow	Micro, Molecular & Biochem
McCann, Cai	Biology, CAS	Evolution of Variation: What contributes to mitochondrial DNA sequence variation in the Chagas disease parasite, Trypanosoma cruzi?	Lori Stevens	Micro, Molecular & Biochem
Moskovitz, Eliana	Pharmacology, GC	Mitotic Gene Bookmarking by RUNX1 Stabilizes the Normal Mammary Epithelial Phenotype	Sayyed K. Zaidi	Micro, Molecular & Biochem

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O'Donnell, Riona	Neuroscience, CAS	Addressing the DNA Damage Response to Irradiation and PARP1/PARG Inhibitors in Glioblastoma	Delphine Quénet	Micro, Molecular & Biochem
Razavi, Ali (Shervin)	Biology, CAS	A computational analysis of the impact of Surfactant Proteins (SP-C) on the surface tension of pulmonary lipid monolayers	Juan Vanegas	Micro, Molecular & Biochem
Rosenkranz, Aliza	Biological Science, CAS	Staphylococcus species and strains are more likely than others to cause chronic mastitis in organic dairy cattle	John Barlow	Micro, Molecular & Biochem
Schiksnis, Morgan	Animal Science, CALS	Enriching branched-chain fatty acids in cellular lipids of rumen bacteria and protozoa	Jana Kraft	Micro, Molecular & Biochem
Stassen, Emily	Cellular, Molecular & Biomedical Sci, CALS	Identification of 5-hydroxymethylcytosine markers in the cattle brain	Stephanie McKay	Micro, Molecular & Biochem
Varnum, Stella	Biochemistry, CAS	Investigating the Protein-Coding Potential of a lncRNA	Dimitry Krementsov	Micro, Molecular & Biochem
Wheater, Michelle	Biochemistry, CAS	Brevotoxin Adduct Mechanism and Effect on Thioredoxin Reductase Activity	Robert Hondal	Micro, Molecular & Biochem
Whitaker, Annalis	Cellular, Molecular & Biomedical Sci, LCOM	An investigation into the natural history and specificity of the humoral immune response to Andes orthohantavirus infection in humans	Jason Botten	Micro, Molecular & Biochem
Whitaker, Emily	Cellular, Molecular & Biomedical Sci, LCOM	Regulation of host fusion inhibitory proteins at the virological synapse and upon syncytia formation	Markus Thali	Micro, Molecular & Biochem
Deckers, Claire	Neuroscience, CAS	Anxiety Responses Across the Estrous Cycle in Relation to BNST-PACAP Interactions	Sayamwong Hammack	Neuroscience

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Dickson, Conor	Neuroscience, CAS	Optogenetic Entrainment of the Septo-Hippocampal Circuit	Jeremy M. Barry	Neuroscience
Dumas, Caroline	Biology, CAS	Characterization of Sema6A reverse signaling in zebrafish eye development	Bryan Ballif	Neuroscience
Durieux, Brigitte	Biochemistry, CAS	Biochemical Validation of CRK & CRKL Binding Proteins in the Context of Neurodevelopment and Cell Migration Pathways	Bryan Ballif	Neuroscience
Dybas, Elizabeth	Biology, CAS	The Effect of Reproductive Experience on Habit Formation	Donna Toufexis	Neuroscience
Ehrenreich, Nathan	Molecular Genetics, CALS	Activation Capabilities of SETD5 Truncated Variants	James Stafford	Neuroscience
Evans, Charlotte	Neuroscience, CAS	The effect of methamphetamine pre-exposure on habit formation in male rats	Donna Toufexis	Neuroscience
Kalbag, Zoe	Microbiology & Molecular Genetics, CALS	The Effect of Crk Adaptor Proteins on Cell Proliferation in the Developing Zebrafish Retina	Alicia Ebert	Neuroscience
Lara, Montana	Neuroscience, CAS	Network-based Functional Prediction Augments Genetic Association to Predict Candidate Genes for Inflammatory Bowel Disorder in Mice	J. Matt Mahoney	Neuroscience
O'Connor, Robert	Neuroscience, CAS	Interneuron Loss in a Mouse Model of DNM1-mediated Epileptic Encephalopathy	Matthew Weston	Neuroscience
Stergas, Helaina	Biology, CAS	Crk adaptor proteins are necessary for the development of the zebrafish retina	Alicia Ebert	Neuroscience

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Adler, Thomas	Geology, CAS	Understanding the Biogeochemical Drivers of Dissolved Organic Carbon Dynamics: A Multiscalar Approach	Julia Perdrial	Physical Sciences
Allemeier, David	Material Science, GC	Photonic Band Engineering In 1D Photonic Crystals	Matthew White	Physical Sciences
Banks, Peter and Michael Ruggiero	Chemistry, CAS	Low-Frequency Dynamics in Organic Semiconductors and Their Effects Upon Semiconducting Efficiency	Michael Ruggiero	Physical Sciences
Benson, Jared	Physics, CAS	Temperature Dependent Charge Transport Characteristics of Ferroelectric Organic Field Effect Transistors	Randall Headrick	Physical Sciences
Casiano-Diaz, Emanuel	Physics, CAS	Operationally accessible entanglement of 1D spinless fermions	Adrian Del Maestro	Physical Sciences
Coven, Brian	Biochemistry, CAS	Novel Synthesis of Triflate-Substituted [1]Benzothieno[3,2-b][1]benzothiophene Compounds and Further Functionalization	Adam Whalley	Physical Sciences
Dahal, Ekraj and David Allemeier	Material Science, GC	Optimization of Microcavity Organic Light Emitting Diodes with Varying Dipole Position	Matthew S. White	Physical Sciences
Dimri, Aaditya	Physics, CAS	Controlling van der Waals Phenomena at the Interface of Atomic and Two-Dimensional Dirac Quantum Matter	Valeri Kotov	Physical Sciences
DiPinto, Michelle	Chemistry, CAS	Simultaneous Detection and Decontamination of Organophosphates Using Mesoporous Silica Nanoparticles (MSNs)	Chris Landry	Physical Sciences
Estabrook, Emma	Natural Resources, RSENR	Quantifying Nutrient Reductions Achieved by Erosion Remediation Projects on Vermont's Roads	Beverley Wemple	Physical Sciences

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Gonzalez, Johnny	Physics, CAS	Extracting electron hole mobility by analyzing the current frequency space via NLIS	Matthew White	Physical Sciences
Jenny, Kaelyn	Chemistry, CAS	Facile removal of 4-methoxybenzyl protecting group from selenocysteine	Robert Hondal	Physical Sciences
Kubow, Marcos	Natural Resources, RSENR	Student Research Conference	Eric Roy	Physical Sciences
Liang, Libin	Material Science, GC	Dipole Orientation and Strain-Enhanced Luminescence in Small Molecule Thin Films	Madalina Furis	Physical Sciences
Little, Kassondra	Biochemistry, CAS	Biomimetic, Metal-Directed Folding of Sequence Defined Polymers	Severin Schneebeli	Physical Sciences
Osadchey Brown, Reilly	Biochemistry, CAS	Optimization of an Enantioselective Electrophilic Aromatic Nitration with Peptide-Mimetic Chemistry	Severin T. Schneebeli	Physical Sciences
Petrucci, Adam	Chemistry, CAS	Structure-Function Relations: Modeling Mega-Stokes Shifts	Matthew Liptak	Physical Sciences
Piasecki, Frank	Environmental Science, CAS	Quantifying and Predicting Gully Erosion and its Contribution to Nutrient Pollution from Vermont's Roads	Beverley Wemple	Physical Sciences
Postlewaite, Abigail	Physics, CAS	Elastic Quantum Scattering of Cold Atoms from a Carbon Nanotube	Dennis P. Clougherty	Physical Sciences
Rice, Robin	Material Science, GC	Nonlinear Impedance Spectroscopy of Organic Hole-Only Solar Cell Devices	Matthew White	Physical Sciences

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Schireman, Ray	Material Science, GC	Anharmonicity of ice-XI Determined with the VCI and VSCF Models	Michael Ruggiero	Physical Sciences
Song, Zihui	Material Science, CAS	Terahertz Spectroscopy as a Tool to Investigate Guest-Host Interactions in Porous Materials	Michael T. Ruggiero	Physical Sciences
Stinson, Lindsey	Chemistry, CAS	Testing the effect of solution pH and ionic strength on dissolved organic matter leaching from soils	Julia Perdrial	Physical Sciences
Thakuri, Khadga	Physics, CAS	Studies of air molecules at high sensitivities with the reflection interferometer under various vacuums	Jie Yang	Physical Sciences
Tsuda, Yuki	Physics, CAS	Electrochemical Self-Assembly of CuSCN/4-(N,N-dimethylamino)-4'-(N'-methyl)Stilbazolium Hybrid Thin Films	Matthew White	Physical Sciences
Usadi, Caleb	Physics, CAS	Stars & Bars: A Compact Representation for Bosonic Occupation States	Adrian Del Maestro	Physical Sciences
Verhaeg, Emily	Chemistry, CAS	Terahertz Time Domain Spectroscopy via Plasma Generation and Air Biased Coherent Detection	Michael Ruggiero	Physical Sciences
Williamson, Landon	Geology, CAS	Using X-ray diffraction of stream sediment to better understand the geology and weathering environment of central Cuba	Paul R Bierman	Physical Sciences
Yu, Jiangyong	Physics, CAS	Mott Insulator to Superfluid Quantum Phase Transition for Helium on Strained Graphene	Adrian Del Maestro	Physical Sciences
Zorman, Marlo	Chemistry, CAS	Towards Rational Design of Self-Aggregating Peptides	Jianing Li	Physical Sciences

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Beasley, Emily	Biology, CAS	A candle in the dark: Accounting for undetected species using Bayesian hierarchical models	Nicholas Gotelli	Plants, Animals, Genetics, Evolution, & Ecol
Becchina, Reilly	Wildlife Fisheries Biology, RSENR	Restoring the Siberian Marmot: Recovery of an Endangered Species in the Mongolian Steppe	James Murdoch	Plants, Animals, Genetics, Evolution, & Ecol
Chapina, Rosaura	Natural Resources, RSENR	To stay or not to stay? A model to test decision making of Mysis diluviana to vertically migrate	Jason D. Stockwell	Plants, Animals, Genetics, Evolution, & Ecol
Chittenden, Amara	Biological Science, CAS	How do populations of two hybridizing harvester ants coexist with one another?	Sara Cahan	Plants, Animals, Genetics, Evolution, & Ecol
Cronin, Mariah	Environmental Studies, CAS	Phytoremediation of lead-contaminated soils in Burlington's Old North End neighborhood	Laura Hill	Plants, Animals, Genetics, Evolution, & Ecol
Duarte, Baylee and Lily Canavan	Biological Science, CAS	Investigating the Biogeographic History and Diversification of Caribbean Spiders in the Genus Eriophora through Molecular Phylogenetics	Ingi Agnarsson	Plants, Animals, Genetics, Evolution, & Ecol
Futia, Matthew	Biology, CAS	Seasonal shifts in habitat use of lake trout in Lake Champlain	Ellen Marsden	Plants, Animals, Genetics, Evolution, & Ecol
Kapadia, Jhanavi	Biological Science, CAS	Mechanisms of Cold Tolerance in Temperate-Zone Insects	Sara Cahan	Plants, Animals, Genetics, Evolution, & Ecol
Khan, Yousef	Computer Science, CEMS	Computational Analysis of Transposable Element Expressions	Dawei Li	Plants, Animals, Genetics, Evolution, & Ecol
Kosel, Mia	Natural Resources, RSENR	Comparison of Spider Silk Toughness in the Caerostris Genus	Ingi Agnarsson	Plants, Animals, Genetics, Evolution, & Ecol

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Markworth, Eli	Biological Science, CALS	Influence of Skull Morphology on Call Characteristics in Glaucomys sabrinus and Glaucomys volans	Emily Beasley	Plants, Animals, Genetics, Evolution, & Ecol
Neuhaus, Alyssa	Biological Science, CAS	First record of malaria parasites in the Saltmarsh Sparrow (Ammodramus caudacutus) and patterns of infection with mercury exposure	Ellen Martinsen	Plants, Animals, Genetics, Evolution, & Ecol
Pett, Lindsey	Biology, CAS	Methods in simulating nutrient stoichiometry, structure, and function - Sarracenia purpurea	Nicholas Gotelli	Plants, Animals, Genetics, Evolution, & Ecol
Stoloff, Andrew	Biology, CAS	Later developmental stages of Drosophila melanogaster acclimate and function better in response to thermal stress compared to early developmental stages.	Sara Cahan	Plants, Animals, Genetics, Evolution, & Ecol
Stolzenburg, Bryan	Environmental Science, CAS	Bioavailability of Leachable Dissolved Organic Carbon from Subnival Soils	Julia Perdrial	Plants, Animals, Genetics, Evolution, & Ecol
Thompson, Gretchen	Biological Science, CAS	Measuring Thermal Stability of Allelic Variants of Alcohol Dehydrogenase Enzyme in Drosophila Melanogaster	Brent Lockwood	Plants, Animals, Genetics, Evolution, & Ecol
Wright, Jessica and Ben Moffat	Biological Science, CAS	Shifting Thermal Limits during Drosophila Embryonic Development	Sara Cahan	Plants, Animals, Genetics, Evolution, & Ecol
Biondolillo, Victoria	Business Admin., GSB	What we can do about the gender leadership gap	Pramodita Sharma	Professional Studies
Antonellis, Hannah	Neuroscience, CAS	A multi-dimensional approach to identify individuals with post-concussion syndrome	Sambit Mohapatra	Rehab Movement Sci
Bernier, Hannah	Exercise Science, CNHS	Effect of cardiovascular exercise on postural stability and cognition in mild Traumatic Brain Injury	Sambit Mohapatra	Rehab Movement Sci

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Bousfield, Kayla, Justin Loseby, Sarah Harley, Amber Lampiris-Tremba, Ju-Young Cheon	Physical Therapy, CNHS	What are the Predictors for Return to Work for People With Elbow, Wrist, and Hand Conditions?	Reuben Escorpizo	Rehab Movement Sci
Cameron, Joshua	Exercise Science, CNHS	Body Composition Changes Throughout 8 Weeks of Exercise	Connie Tompkins	Rehab Movement Sci
Cavacas, Faith, Molly Rush, Maggie Smith, Chris Sproul	Physical Therapy, CNHS	Effects of Exercise Interventions on Quality of Life and Cancer-Related Fatigue in Patients Undergoing Chemotherapy: A Systematic Literature Review	Rebecca Ouellette-Morton	Rehab Movement Sci
Cermenaro, Jennifer, Michala Dean, Elizabeth Heffernan, Andrea Magnant, Mackenzie Young	Physical Therapy, CNHS	Activities to Manage Bone Mineral Density in Individuals with Spinal Cord Injury	Michelle Yargeau	Rehab Movement Sci
Daniel, Tatiana, , Sierra Martin, Jessica Symonds, Jose Soltero, Alex Warshaw	Physical Therapy, CNHS	Dual tasking with MS: The role of attentional switching on gait parameters	Susan Kasser	Rehab Movement Sci
Eckert, Caitlin	Public Health, LCOM	Rural residence, nutrition risk and falls in community-dwelling, older adults	Nancy Gell	Rehab Movement Sci
Hanbridge, Braelin and Juhee Lee	Neuroscience, CAS	Cognitive Deficits in Chronic Mild Traumatic Brain Injury	Sambit Mohapatra	Rehab Movement Sci
John, Sophie	Exercise Science, CNHS	Incorporating Nutrition into Physical Therapy Practice: An Exploratory Study on Education and Attitudes	Karen Westervelt	Rehab Movement Sci
Kamrud, Kira, Talia Rooney, Shawn Roberts, Emma O'Brien, Kristen Thibodeau	Physical Therapy, CNHS	Utilization of Mobile Technology to Assess Gait and Mobility Post-Stroke: A Systematic Review	Denise Peters	Rehab Movement Sci
Locke, Sara, Eliza Hotchkiss-Yager, Rosalie Burke, Thomas Norberto, Crystal Abbate	Physical Therapy, CNHS	Changes in Cortical Excitability After Mild Traumatic Brain Injury: A Scoping Review	Sambit Mohapatra	Rehab Movement Sci

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Lones, Hannah, Lucas McCue, Eric Chau, John Basa, Rebekah Marino, Laurel Cole	Physical Therapy, CNHS	Does Surgical Repair and Rehabilitation Result in Improved Atrophy of the Supraspinatus Muscle in Patients Undergoing Rotator Cuff Repair?	Mathew Failla	Rehab Movement Sci
Sierra, Isabella	Exercise Science, CNHS	Exploring the Relationship of Addictive Eating Behaviors Between Adolescents and Parents	Connie Tompkins	Rehab Movement Sci
Wingood, Mariana	Human Functioning & Rehab Sci., GC	The Inventory of Physical Activity Barriers: Development and Preliminary Validation	Nancy Gell	Rehab Movement Sci
Burke, Caroline	Psychological Science, CAS	Effects of Love on External Anxiety	Alessandra Rellini	Social Psychology
Cheaito, Aya	Psychological Science, CAS	Gender Differences in Trauma Symptoms Among Refugees and Trauma Survivors residing in VT	Karen Fondacaro	Social Psychology
Corderman, Eliza	Psychological Science, CAS	The effects of yoga on eating behavior and psychological states	Elizabeth Pinel	Social Psychology
Dalton, Lilian	Psychological Science, CAS	Dominant and Submissive Fantasy and Behavior	Alessandra Rellini	Social Psychology
Gearwar, Haley	Psychological Science, CAS	Holistic Assessment of Refugee Populations: A Multidisciplinary Assessment and Short-Form Profile	Karen Fondacaro	Social Psychology
Goldberg, Kate	Psychological Science, CAS	Achieving Anorexia: An Improbable but Possible Aspiration Among College-Age Students	Antonio Cepeda-Benito	Social Psychology
Hagberg, Matthew	Psychological Science, CAS	Sexual shame and masculinity in men	Alessandra Rellini	Social Psychology

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Henehan, Casey, Hannah Ritz, Maria Lent, Alexandra Sullivan	Psychological Science, CAS	Bad Blood: Is it more stressful to be victimized by friends than by peers?	Dianna Murray-Close	Social Psychology
Lama, Choeden	Psychological Science, CAS	Barriers to Accessing Mental Health Services in Refugees	Karen Fondacaro	Social Psychology
Lumia, Alexander	Psychological Science, CAS	How Difficulties Interpreting Emotions Can Affect Relationship Well-Being	Alessandra Rellini	Social Psychology
Morel, Mariel	Psychological Science, CAS	Existential Isolation in the Dominican Republic	Elizabeth Pinel	Social Psychology
Pomichter, Emily and Emma Kilroy	Psychological Science, CAS	Honest Placebo Effects on Food Cravings Following a 12-Hour, Overnight Fasting Period	Antonio Cepeda-Benito	Social Psychology
Stupinski, Anne Marie	Data Science, CEMS	Measuring Mental Health Stigma on Twitter	Christopher M. Danforth	Social Psychology
Terman, Julia	Psychological Science, CAS	Personality Pathology in Seasonal Affective Disorder	Kelly Rohan	Social Psychology
Thorpe, Catherine	Neuroscience, CAS	Habit Formation in Behavior Chains: A Comparative Evaluation	Eric Thrailkill	Social Psychology
Weldon, Holly	Psychological Science, CAS	Links Between Partner Conflict and Mental Health in Refugee Couples	Karen Fondacaro	Social Psychology
Wyatt, Robert	Psychological Science, CAS	Spectatoring Mediates Associations Between Penis Appearance Concerns and Sexual Arousal Difficulties	Alessandra Rellini	Social Psychology

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Young, Emily	Psychological Science, CAS	Is Your Child Even Listening to You?: Relationship between Socialization of Coping and Coping Behavior, Moderated by Physiological Stress Reactivity	Dianna Murray-Close	Social Psychology
Bachand, Ian	Sociology, CAS	Agency in Aging: How the Social Environment of a Retirement Community Shapes Agency among the Elderly	Dale Jaffe	Social Sciences
Benevento, Alexander	Linguistics, CAS	What Are You Saying to Your Dog, and Why Are You Saying It?: A Pragmatic Exploration of Dog-Related Speech	Julie Roberts	Social Sciences
Bowe, Madeleine	Economics, CAS	Changing Endowments in the Public Goods Game	Sara Solnick	Social Sciences
Brimmer, Aubrey	Anthropology, CAS	Cultural Appropriation of Tattoos	Scott Van Keuren	Social Sciences
Chalco, Jaylyn	Social Work, CESS	Reflections of Latinx Advocacy at a Predominantly White University	Christine Velez	Social Sciences
Chan, Michael	Environmental Studies, CALS	Understanding the Impact of Identity on Small Business Social Responsibility	Srinivas Venugopal	Social Sciences
Cilk, Madison	Political Science, CAS	The Relationship Between National Culture and Urban Resilience	Robert V. Bartlett	Social Sciences
Connell, Brynn	Economics, CAS	The Impact of Chinese Investment on the Kenyan Economy	Nathalie G. Bolh	Social Sciences
Crosthwait, Adeline	Linguistics, CAS	Semantic Prosody of 'Immigrant' within Linguistic Registers: Corpus-based Critical Discourse Analysis	Guillermo Rodriguez	Social Sciences

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Denault, Michele	Social Work, GC	How Capitalism influences the relationship between Social Workers and their clients	Susan Comerford	Social Sciences
Dow, Loren	Educational Leadership, CESS	More than a scholarship: College and career outcomes of Mitchell Institute Promise Scholars	Jason Garvey	Social Sciences
Esser, Katie	Linguistics, CAS	To Flip or Not to Flip?: The Influence of Individual Cognitive Differences on L2 Russian Acquisition of Verbal Morphology in a Flipped Language Classroom	Guillermo Rodriguez	Social Sciences
Everts, Olivier	Anthropology, CAS	Vegetarianism and Veganism as a Form of Everyday Activism in the Age of Climate Change	Luis Vivanco	Social Sciences
Florez, Mateo	Marketing, GSB	Students' beliefs, attitudes, and behaviors toward e-cigarettes	Thomas Noordewier	Social Sciences
Gaiser, Danielle, Alden Ducharme, Allison Dennehy	Secondary Education, CESS	Are Vermont Teachers using Learning Scales to Track what is Important?	Carmen Petrick Smith	Social Sciences
Gelenian, Tali	Anthropology, CAS	Ethnographic Storytelling: Sharing an Armenian Tradition through Collaborative Digital Media	Luis Vivanco	Social Sciences
Goldblum, Rachel	Psychological Science, CAS	Maternal Incarceration: Shackling, Adverse Outcomes and Interventions	Ellie Miller	Social Sciences
Gooley, Calvin	Economics, CAS	Macroeconomic Effects of High-Bandwidth Neural Lace Technology and Comparative Policy Considerations	Nathalie Bolh	Social Sciences
Gothard, Kelly	Data Science, CEMS	Linguistic and Engagement Patterns in Incel Communities	Peter Dodds	Social Sciences

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Hagen, Samuel	Community Development & Applied Economics, CALS	Do Rural Schools Serve Rural Communities	Daniel Tobin	Social Sciences
Ingersoll, Jenna	Anthropology, CAS	Methodology and Significance of PTAP's Analysis of Agricultural Terraces in Petra's Northern Hinterlands	Sarah Newman	Social Sciences
Kilcoyne, Allyson	Community & International Development, CALS	NYC Parks Planning and Development	Ann Kroll Lerner	Social Sciences
Lincoln, Sarah	Elementary Education, CESS	Examining the Role of Arts Integration in the Classroom for Refugee Students from the Perspective of Teachers	Cynthia Reyes	Social Sciences
Loughran, Kailey	Anthropology, CAS	Ancient (In)Security in the Upper Salt River Canyon, Arizona	Scott Van Keuren	Social Sciences
Martinez, Amanda	Social Work, CESS	Reflections of Latinx Advocacy at a Predominantly White University	Christine Velez	Social Sciences
Molokandov, Roberta	Community Development & Applied Economics, CALS	Predicting Pro-environmental Behaviors with Climate Change Identity, Belief and Concern using Probabilistic SEM	Trisha Shrum	Social Sciences
Morgan, Payne	Community Development & Applied Economics, CALS	Extend the Grid of Cut the Cord? An analysis of the socioeconomic factors behind grid connectivity versus off-grid solar PV deployment in sub-Saharan Africa.	Travis Reynolds	Social Sciences
Regan, Gail, Jordan Keene, Alexandra Piccione, Christian Taylor	Public Health, LCOM	Associations Between Perceptions of Health and Community Safety With Meeting the Healthy Vermonters' 2020 Physical Activity Goals	Vicki Hart	Social Sciences
Smith, Abigail	Neuroscience, CAS	Investigating the Relationship Between Biodiversity and Ranavirus in Vermont Amphibians	Nicholas Gotelli	Social Sciences

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Smith, Moirha	Global Studies, CAS	Repercussions of War on Women and Children	Lacey Sloan	Social Sciences
Snider, Miriam	Animal, Nutrition, & Food Sciences, CALS	Evaluation of research needs and management practices on organic, grass-fed dairy farms in the United States.	Sabrina Greenwood	Social Sciences
Storer, Rain	Linguistics, CAS	Coordination of syntactically unlike categories	Emily Manetta	Social Sciences
Taylor, Hannah	Health & Society, CAS	Alzheimer's Disease: Personhood, Relationship, and Milieu	Dale Jaffe	Social Sciences
Thayer, Shannon	Public Administration, CALS	Hazard Mitigation Planning in the Lake Champlain Basin	Chris Koliba	Social Sciences
Travieso Jr., Eddie and Isabel Suarez	Social Work, CESS	Colonialism to Colorism: Implanted Rifts in the Latinx Community and Decolonizing Social work practice	Christine Velez	Social Sciences
Braconnier, Meryl	Environmental Science, CAS	The Social Acceptability of River Conservation Efforts in Vermont's Upper Missisquoi Watershed	Cheryl Morse	Vermont Studies
Clark, Mahalia	Natural Resources, RSENR	Machine Learning for Early Warning of Cyanobacteria Blooms in Lake Champlain	Gillian Galford	Vermont Studies
Dunkley, Isabel	Global Studies, CAS	Best Practices for Employing New Americans in Vermont	Pablo Bose	Vermont Studies
Lacasse, Hannah	Community Development & Applied Economics, CALS	Consumer demand for hemp: Evidence from Vermont	Jane Kolodinsky	Vermont Studies

Student Name	Major, College	Presentation Title	Faculty Mentor	Topics
Lillpopp, Rose	Anthropology, CAS	Food Trucks as Emerging and Ephemeral Spaces of Identity Creation in the Urban Landscape	Luis Vivanco	Vermont Studies
Possehl, Lucia	Geography, CAS	Landscapes of Care Amid Crisis: The Geographies of Rural Opioid Harm Reduction Networks in Vermont	Cheryl Morse	Vermont Studies
Robinson, Katie	Community Development & Applied Economics, CALS	Public attitudes towards undocumented migrant farmworkers: The case of Vermont's dairy labor	Daniel Baker	Vermont Studies
Spett, Emma	Community Development & Applied Economics, CALS	Leveraging Public Perceptions of Flood Risk and Decision Criteria to Assess the Political Feasibility of Transboundary Flood Mitigation Measures in the Lake Champlain Richelieu River Basin	Christopher Koliba	Vermont Studies
Szczesiul, Adelaide	Anthropology, CAS	An Ethnography of Trumpism in Vermont	Luis Vivanco	Vermont Studies
Winn, Genevieve	Anthropology, CAS	Goal-Setting among Older Adults in Vermont, a Mixed-Methods Approach	Jeanne L. Shea	Vermont Studies

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