

All Colleges Undergraduate Research Symposium - Oral Sessions, April 24, 2026

Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Aimee Bousquet	Senior	Marine, Estuarine and Freshwater Biology	April Blakeslee, David Buck, Amy Fowler	Parasite Party: Investigating Ecological Drivers of Trematode Parasite Prevalence across the Isles of Shoals
Jayden Cruz	Senior	Social Work	Sherri Simmons-Horton	Pressing Play for Latina Women in Video Games
Natalie Petersen	Junior	International Affairs	Jeannie Sowers	Contradictions of Islamic Spain: The Legacy of Al-Andalus and Its Effects on Modern Islamophobic Sentiment
Ruby Prentiss	Junior	Communication, History	R. Michael Jackson	Analysis of A Public Relations Campaign: This Girl Can
Madeline Riechers	Senior	Communication	Edward Reynolds-Paustian	How the Word 'Fucking' Constructs Emotional Stance in Conversation
Connor Ryan	Senior	English, Linguistics	Rachel Burdin	Production & Perception of /s/ and Pitch of Transgender Speakers
Jane Schintzius	Sophomore	Health Management and Policy, Anthropology	Semra Aytur	Wild about Public Health
Olivia Tatro	Senior	Biology	Sabrina Pankey, David Plachetzki	Gene Gain and Loss Events Inform the Evolution of Cnidocytes and Lineage-Specific Traits in Cnidaria
Sarah Toomey	Senior	Nursing	Gibran Mancus	From Pixels to Pines: Exploring the Impact of Authentic vs. Virtual Greenspace on Young Adults' Psychophysiological Wellbeing
Matt Wosky	Senior	International Affairs	Jeannie Sowers	Nuclear Deterrence in the Asia-Pacific

All Colleges Undergraduate Research Symposium - Poster Sessions, April 24, 2026

Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Maxwell Beauchesne Sarah Guerrette Parker Holt Cameron Jacobs Nazilynn Lacey Kylie Martone Nicole Skare	Senior	Exercise Science	Michael Brian	Effects of Exercise Prescription Prompts on Physiological, Perceptual, and Accelerometer-Derived Measures of Walking Intensity in Untrained Young Adults
Meryam Belhassad	Senior	Nursing, Women's and Gender Studies	Daisy Goodman, Lisa Lamadriz	Knowledge, Attitudes, and Beliefs Surrounding Maternal Cannabis Use and Lactation
Aimee Bousquet	Senior	Marine, Estuarine and Freshwater Biology	April Blakeslee, David Buck, Amy Fowler	Parasite Party: Investigating Ecological Drivers of Trematode Parasite Prevalence across the Isles of Shoals
Olivia Boyan	Senior	Zoology	Brittany Jellison	New Hampshire Shellfish under Pressure: Physiological Effects of Climate Change and Toxic Algal Blooms
Julia Cotsonas	Senior	Neuroscience and Behavior	Sergios Charntikov	Trauma Severity, Resilience, and Alcohol Demand: Sequential Associations with Behavioral Economic Indices in College Students
Eli Croteau	Senior	Economics, International Affairs, Spanish	Daniel Chavez	Housing Affordability in Madrid: Examining Tourism, Investment, and Housing Policy
Anthony Dempsey	Junior	Nutrition	Jesse Stabile Morrell	Low Energy Availability and Its Relationship to Nutritional Status and Bone Health in Collegiate Athletes
Lyv Dubois	Senior	Biochemistry, Molecular and Cellular Biology	Victoria Jeffers	Investigating the Invasion Efficiency of Toxoplasma gondii Parasites with an AP2X-VII Knockout
Ty Hetrick	Senior	Occupational Therapy	Sarah Smith	Embracing Anomalous Perceptions: Sensory Anomalies, Stigma, and Self Acceptance

Zachary Hooper	Senior	Neuroscience and Behavior	Kate Christison-Lagay	Insulin-Like Growth Factor 2 mRNA-Binding Proteins(IMP) as a Therapeutic Target for Cancer Stem Cells: A Pan-Cancer Investigation
Brit Jackson	Senior	Social Work	Katie Godshall	The Integration and Effects of Meditative Virtual Reality (VR) in First Responder Wellness
Abby Pinckney	Senior	Social Work		
Kendall Wilson	Senior	Social Work		
Sophie Lorenscheit	First-Year	Psychology	Clark Knowles	Words of Reality: A Series of Short Stories Exploring the Emotional and Concrete Effects of Social Inequality on Ordinary People
Emily Mezick	Senior	Homeland Security, Spanish	Sara Iman	The Role of Nonprofits in Emergency Management Disaster Preparedness Strategies
Skyler Murphy	Senior	Psychology	Emily Liquin	How is Children's Exploration Shaped by Alternative Actions?
Stefan Nevajdic	Junior	Psychology		
Jaclyn Reynolds	Junior	Psychology		
Julia Rowe	Senior	Psychology		
Neha Sharma	Senior	Neuroscience and Behavior		
Kaitlyn Newton	Junior	Analytics and Data Science	Molly Campbell	AI and Medicine: Website Analysis and Design
Juliet O'Brienhalla	Senior	Anthropology, Art: Art History	Alexander Garcia-Putnam	From Gravestones to People: Mortuary Archaeology and Microhistory at North Cemetery, Portsmouth, NH (1753 to 1926)
Brianna Ohlund	Junior	Psychology	Melinda Morrill	Social Media Addiction, Anxiety, and Childhood Emotional Abuse: A Scoping Literature Review
Cassidy Remillard	Senior	Psychology	Andrew Kitt	Comparing Response Threshold of Contoured versus Non-Contoured Stereograms
Bakhtavar Sidhwa	Senior	Neuroscience and Behavior	William Stine	
Elizabeth Shilova	Sophomore	Biochemistry, Molecular and Cellular Biology	Konstantinos Sousounis	Effects of Curcumin and Trichostatin A on Salamander Lens Regeneration
Abigail Smart	Senior	Political Science, International Affairs	Jen Spindel	Realignment in the South China Sea: Filipino-Australian Relations in the Face of Chinese Expansionism and American Isolationism
Caitlin Valerian	Senior	Biomedical Science	Sherine Elsawa	Microplastics Induce Inflammation in Human Cells
COLSA URC, April 25, 2026				
Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Rowan Grzeszkiewicz-O'Neill	Senior	Equestrian Studies	Sarah Rigg	The Effect of Pulsed Electromagnetic Field (PEMF) Therapy on Inflammation in Horses as Evaluated by Infrared Thermography
Olivia Boyan	Senior	Zoology	Brittany Jellison	New Hampshire Shellfish under Pressure: Physiological Effects of Climate Change and Toxic Algal Blooms
Ben Begin	Junior	Biochemistry, Molecular and Cellular Biology	Linqing Li	Engineered Biocomposites for Angiogenic Signaling and Tissue Vascularization
Grace Bemis	Senior	Marine, Estuarine, and Freshwater Biology	David Steinberg	Effect of Road Salts on Amphibian Eggs
Ella Mack	Senior			
Sarah Glennon	Sophomore	Wildlife and Conservation Biology	David Steinberg	The Evolution of Ultraviolet Reflectance of Throat Fans in Tropical Lizards
Nicholas Caporale	Senior	Marine, Estuarine, and Freshwater Biology	Gregg Moore	The Influence of the Invasive Sea Grass <i>Halophila stipulacea</i> on the Acoustic Behavior of Snapping Shrimp
Sophie Clark	Sophomore			
Kaylee Shipps	Senior	Biomedical Sciences	Konstantinos Sousounis	2D vs. 3D Modalities to Assess Lens Regeneration in <i>Pleurodeles waltl</i>

Kaylee Shipps	Senior	Biomedical Sciences	Konstantinos Sousounis	2D vs. 3D Modalities to Assess Lens Regeneration in <i>Pleurodeles waltl</i>
Amber Tomasino	Senior	Sustainable Agriculture and Food Systems	Rebecca Sideman	Multi-Year Comparison of Fig (<i>Ficus carica</i>) Cultivar Performance in New Hampshire High Tunnel Systems
Ava Prieto	Senior	Neuroscience and Behavior	Adam Brockett	Exploring the Effects of Voluntary Wheel Running on Inhibitory Control
Lauren Barnes	Senior	Biochemistry, Molecular and Cellular Biology	Nate Oldenhuis	Large Scale Enzyme Production for Topologically Controlled dsDNA Hydrogels
Daryna Serediuk	Senior	Biochemistry, Molecular and Cellular Biology	Feixia Chu	Comparing the Differences of HSP90A and HSP90B in Native Protein Complex Incorporation
Interdisciplinary Science & Engineering (ISE) Symposium, April 22, 2026				
Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Aimee Bousquet	Senior	Marine, Estuarine and Freshwater Biology	April Blakeslee, David Buck, Amy Fowler	Parasite Party: Investigating Ecological Drivers of Trematode Parasite Prevalence and Diversity across the Isles of Shoals
Dhiraj Naidu	Senior	Biochemistry, Molecular and Cellular Biology	Nathan Blais, Jessica Ernakovich	Evaluating the 'Kill-the-Winner' Hypothesis in Soil Ecosystems: Do Soil Viruses Disproportionately Lyse Fast-Growing Soil Microbes?
Esher Swanson	Junior	Marine, Estuarine and Freshwater Biology	Karolina Kwasek	Playing with Sea Monkeys: An Examination of the Use of Decapsulated Artemia as a Means of Improving Current Zebrafish
Will Steere	Junior	Chemical Engineering	Alan Allgeier	Valorization of Biomass Derivatives to Monomers by M-MOx Catalytic Hydrogenation & Hydrodeoxygenation
Kate Lussier	Senior	Biomedical Science	Jeffrey Halpern	The Stability of a PolyHistidine Tag as a Linker
Madilynn Clark	Senior	Bioengineering	Linqing Li	Mechanically Tunable Hydrogel Based Clearance Assay for Ovarian Cancer Modeling
Trinity Devanney	Senior	Bioengineering		
Meghan Herlihy	Senior	Bioengineering		
Claire Komar	Junior	Bioengineering	Linqing Li	Designer Hydrogels with Combinatorial Adhesive Peptides for Cell Culture
Eddie Gaffny	Junior	Chemistry	Aylin Aykanat	Synthesis of Cyclodextrin Precursors for the Generation of Novel Crystalline Materials for Environmental Remediation
Amy Divito	Senior	Biochemistry, Molecular and Cellular Biology	Nate Oldenhuis	Designing DNA Intercalating Supramolecular Hydrogels with Tunable Structural Properties
Muriel Lubelczyk	Senior	Chemistry	Brittany White-Mathieu	Macrocyclic Chromophores as a Novel Class of Fluorescent Molecules
Angelo Cedrone	Senior	Civil Engineering	Philippe Kalmogo, Anthony Puntin, Christopher Raymond, Michelle Thibault	Hampton Beach Casino Ballroom Redevelopment Project
Cam Holbrook	Senior	Civil Engineering		
George Nigro	Senior	Civil Engineering		
Jason Sathanathan	Senior	Civil Engineering		
Michael Vouglas	Senior	Civil Engineering		
Patrick Thavisouk	Senior	Civil Engineering	Matthew Low	F.E. Everett Bridge Replacement
Ian Becker	Senior	Civil Engineering		
William Fogarty	Senior	Civil Engineering		
Eddie Schluter	Senior	Civil Engineering		
Noah LaFlamme-Howe	Senior	Civil Engineering	Nancy Kinner, Gabriel Venegas	Acoustic Sensor for Measuring Slick Thickness during Oil Spill Response
Hayden Anastasio	Senior	Environmental Engineering		
Grace Burcaw	Senior	Environmental Engineering		
Robert Hickling	Senior	Environmental Engineering		

Martin Babak	Senior	Computer Science	Lisa Henry	Dialogix
Niall Gavin	Senior	Computer Science		
Tyler Norcross	Senior	Computer Science		
Rayya Burns	Senior	Computer Science	Julie Paprocki	Free Fall Penetrometer Data Analysis Application
Troy Ciardelli-Zaryckj	Senior	Computer Science		
Vincent Ciccotelli	Senior	Computer Science		
Brett Dupont	Senior	Computer Science		
May Fallon	Senior	Computer Science		
Anthony Snider	Junior	Computer Science		
Matthew Cariseo	Senior	Computer Science	Scott Kitterman	Network Behavior
Sam Howard	Senior	Computer Science		
Matthew Szpak	Senior	Computer Science		
Evan White	Senior	Information Technology		
Gordon Chau	Senior	Analytics and Data Science	Lisa Henry	PACE: Pupillometric Analysis of Cognitive Effort
Lauren Broadbent	Senior	Analytics and Data Science		
Maxx Berry	Senior	Analytics and Data Science		
Evan Braley	Senior	Computer Science		
Ariel Sousa	Senior	Analytics and Data Science		
Max Vivino	Senior	Analytics and Data Science		
Jaren Unzen	Senior	Computer Science	Samuel Carton, Julie Paprocki	Evaluating Segment Anything Model for Estuary Mudflat Segmentation
Gordon Chau	Senior	Analytics and Data Science	Matthew Magnusson	Lab Assistant
Andrew Lester	Junior	Information Technology		
Aidan Kane	Senior	Computer Science	May-Win Thein	UNH Lunabots - Computer Science Subteam - Autonomous Navigation and Teleoperation
Brian Winslow	Senior	Information Technology		
Ethan Northcott	Senior	Analytics and Data Science		
Aaron Owre	Senior	Computer Science		
Conner Sheehan	Senior	Computer Science		
Gavin Tucker	Senior	Computer Science	Matthew Argall	Lightning Weather Station
Owen Cannon	Senior	Analytics and Data Science		
Evan Czerwinski	Senior	Computer Science		
Damien Fabiano	Senior	Computer Science		
Chase Santovasi	Senior	Computer Science		
Thomas White	Senior	Information Technology		
Curtis Kimball	Junior	Earth Sciences	Joel Johnson	Linking Amorphous Silica in Gulf of Mexico Sediments to the Late Pleistocene Deglaciation of North America
Zachary Holt	Junior	Electrical Engineering	Adam Hunsaker, Jennifer Jacobs, Jeremy Johnston	Snowpack Characterization Using Low-Cost FMCW Radar
Nolan Juneau	Senior	Electrical Engineering	Wayne Smith	μModules: A Low-Cost, Eurorack-Compatible Modular Audio Synthesis System
Paige McAfee	Senior	Electrical Engineering	Wayne Smith	Pedal Parrot: Effect Mimicking Electric Guitar Amplifier
George Crane	Senior	Computer Engineering	Dean Sullivan	BitCrusher: Affordable, Open Source, Electromagnetic Fault Injection Platform
Md Jonayet Hossain	Senior	Electrical Engineering	Nicholas Kirsch	AI-Based Signal Analyzer & Equalizer

Zachary Holt Pavel Subotskij	Junior Sophomore	Electrical Engineering Mechanical Engineering	MC Shaad Mahmud	Development and Testing of a Portable Non-Dispersive Infrared Spectrometer for Real-Time Nitrous Oxide Monitoring
Pavel Subotskij	Sophomore	Mechanical Engineering	Juan Carlos Cuevas Bautista	Design and Implementation of a CoreXY 3D Printer Using Off-the-Shelf Components
Anthony Lopez-Ortiz	Freshman	Mechanical Engineering	John Gibson	Sym-Body: Symmetry of Kinesiology
Devaja Dutta Jessamine Hui Vlayronell Lora Gonzalez Ivan Seryogin	Freshman Freshman Sophomore Freshman	Electrical Engineering Bioengineering Computer Science Computer Science	Kyle Ouellette, Dean Sullivan	User-Friendly Irrigation System
Chase Carlton Ashley Leach Andrew Martin-Biggs Tessa Wilker	Freshman Sophomore Sophomore Freshman	Environmental Engineering Environmental Engineering Environmental Engineering Environmental Engineering	Matt Davis	Controlled Environment Agriculture Innovation Scholars
Eben Quenneville	Junior	Engineering Physics	John Gibson	Algebraic Models of Plane Couette Equilibria
Dija Haq	Senior	Applied Mathematics	Adam Boucher	When Do Macroeconomic Indicators Improve Portfolio Optimization?
Cam Conant Eli Fitzgerald Will Sargent	Senior Senior Senior	Mechanical Engineering Mechanical Engineering Mechanical Engineering	May-Win Thein	UNH Lunacats Drivetrain
Joseph Aubut Jonathan Dean Sam Harms Joshua Lesniak Matthew McCoy	Senior Senior Senior Senior Senior	Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering	Juan Carlos Cuevas Bautista	UNH FSAE Powertrain
Noah McCandless Patrick DeAnna Paul Marino Jameson Solomon Brian Truong	Senior Senior Senior Senior Senior	Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering	May-Win Thein	VTOL-X
Viktorie Vagnerova	Senior	Mechanical Engineering	May-Win Thein	Reaction Wheel Actuated UAV Platform for Spacecraft Attitude Control Testing
Travis Boufford Evan Hemingway Ryan MacKay Peyton Marshall	Senior Senior Senior Senior	Mechanical Engineering Mechanical Engineering Mechanical Engineering Mechanical Engineering	Ivaylo Nedyalkov	Backpack Trash Management System
Austin Boutin Garrett Dion Isabelle Hu	Senior Senior Senior	Mechanical Engineering Mechanical Engineering Mechanical Engineering	Nathan Laxague	AIOLOS: Autonomous Inventory Organization or Laboratory Operations Suite
Jake Overstreet Ben Hogan Gabriel Pointer Zachary Smith Kiara Summers Michael Sutt Zachary Yeaton	Senior Senior Senior Senior Senior Senior Senior	Ocean Engineering Mechanical Engineering Ocean Engineering Environmental Sciences Biology Biology Mechanical Engineering	David Fredriksson, Igor Tsukrov	Mobile Mussel Raft

Amy Divito	Senior	Biochemistry, Molecular and Cellular Biology	Nate Oldenhuis	Designing DNA Intercalating Supramolecular Hydrogels with Tunable Structural Properties
Torsten Diesel	Senior	Physics	Benjamin Chandran	Wave-Induced Current Drive in Magnetic Confinement Fusion
Alec Mercer	Senior	Engineering Physics	James Clemmons	Development of the Thermospheric Winds Imager
Jackson Scheele	Senior	Engineering Physics	James Clemmons	On the Design and Flight Qualification of Thermo5D for High-Resolution, Multidimensional Wind Measurements in the Thermosphere
Paul College URC, April 24, 2026				
Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Ryan Vogel	Senior	Analytical Economics	Aziz Saglam	Occupational AI Exposure and the Wage Premium for Economics Majors
Jesse Harriott	Senior	Analytical Economics		
Rhea Shirodkar	Senior	Business Administration: Information Systems & Business Analytics	Jing Wang	Differential Effects of Climate Anomalies on New England Crop Yields
Cameron Badger	Senior	Economics	Reagan Baughman	Does Residential Electrification Reduce Energy Expenditure
Sabrina Bernard	Junior	Analytical Economics	Robert Mohr	An Economic Analysis of the United Kingdom's Emissions Trading Scheme
Molly Nichols	Sophomore	Analytical Economics		
Catalina Blando	Sophomore	Analytical Economics		