

URC 2022 AWARDS OF EXCELLENCE

All Colleges Undergraduate Research Symposium - Oral Session A, April 22, 2022				
Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Emory Bayer	Senior	Political Science	Jen Spindel	Using Humanitarian Parole as a Method of Immigration
Autumn Goldenberg	Senior	Sociology	Smita Lahiri	Land Grabs in Latin America: How Land Acquisition and Expropriation Have Come To Favor the Elite, and How This Affects Markers of Development
Madeline Graf	Senior	Communication	R. Michael Jackson	Are Humans an Invasive Species? How the Development of Our World Has Continuously Encroached on Wildlife
Benjamin Johns	Junior	History	Chris Reardon	Troubling Tides: China's Territorial Claims in the South China Sea
Thomas McDonough	Senior	Political Science	Smita Lahiri	Cultural Diplomacy as a Means of Establishing Soft Power
Kate Persson	Senior	English	Fredrik Meiton	Creating an Integration Framework for the European Union? Analyzing the Role of Language in Integration Policy Regarding Education and Labor Participation Rates in Germany and Sweden
Sawyer Rogers	Senior	Political Science	Elizabeth Carter	The State and Nature of Social Capital: Using Kensington, NH as a Lens
Jasmine Taudvin	Senior	English/Journalism	Fredrik Meiton	International News Coverage of the Parkland Shooting
All Colleges Undergraduate Research Symposium - Oral Session B, April 22, 2022				
Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Juhong Jin	Junior	Economics, International Affairs	Chris Reardon	China's Culture Appropriation and South Korea
Peter Mulvey	Junior	Political Science	Chris Reardon	Determinants of Wealth Inequality In China
Rebecca McGee Angela Moquin James Silveria	Senior Senior Senior	Educational Studies, Recreation Management and Policy Educational Studies, Finance Educational Studies, Spanish	Barbara Peterson	UNH Community Awareness and Accessibility of Academic Resources at the University
Max Oxendine	Senior	Communication	Lin Zhang	TikTok: A New Source of Labor

All Colleges Undergraduate Research Symposium - Oral Session C, April 22, 2022

Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Harrison Clark	Junior	Political Science	Chris Reardon	Causes and Consequences of Japan's Aging Population
Marc Guidice	Senior	International Affairs, Political Science	Chris Reardon	Tug of War: The Use of Force in Disputed Territory
Jamie Mater	Senior	Psychology	Robert Eckstein	The Troubled Teen Industry and Its Effects: An Oral History
AJ O'Neil	Senior	Classics, Information Technology	R. Scott Smith	The Capitolium of Ostia Antica: Building a 3D Visual Experience

All Colleges Undergraduate Research Symposium - Poster Session A, April 22, 2022

Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Rachel Courter	Senior	Communication Sciences and Disorders	Jill Thorson	Assessing How Adults Produce and Understand the Melody and Rhythm of Speech
Adam Dapolite	Sophomore	International Affairs, Political Science	Dante Scala	Losing Faith, European Distrust in Their National Election Process
Jon Dickinson	Senior	Political Science	Dante Scala	Do People Favor Equity or Equality
David Hart	Senior	Nursing	Kerry Nolte	Nursing Student Self-Efficacy in Clinical Skills, Levels of Anxiety, and Utilization of Alternative Education Experiences During the COVID-19 Pandemic
Brittney Nalesnik	Senior	Biomedical Science	Jesse Stabile Morrell	Prevalence of Vaping and the Association with Cardiometabolic Risk in College Students
Cecilia Toner	Senior	Justice Studies, Psychology	Kimberly Mitchell	Police Burnout and Alcohol Use
Mya Urena	Senior	Neuroscience and Behavior	Caitlin Mills	Subjective and Physiological Measurements of the Psychedelic Virtual Reality Experience

All Colleges Undergraduate Research Symposium - Poster Session B, April 22, 2022

Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Emily Abrusci Nathan Brennan	Freshman Freshman	Environmental Conservation and Sustainability Business Administration	Ian Grant	Grey-t Water

Jacob Blair Ryan Bobbitt Daniel Differ Cole Jenkins Justin Johansen Gregory Minichiello Laura Moore	Senior Senior Senior Senior Senior Senior Senior	Homeland Security Homeland Security Homeland Security Homeland Security Homeland Security Homeland Security Homeland Security	James Ramsay	Risk Mitigation at the Portsmouth Fire Department
Morgan Daly	Senior	Exercise Science	Deborah Feairheller	Comparing Vascular Function to Years of Service in Firefighters Using Analysis by Flow-Mediated Dilation and Nitric Oxide
Kaylyn Dickinson Georgia Gempler Emily Komerska	Senior Freshman Freshman	Neuroscience and Behavior Neuroscience and Behavior Neuroscience and Behavior	Sofia Lombardo John Sparrow William Stine Dan Swift Erika Wells Rebecca White	The Dynamics of Perceptual Filling-In and Motion Induced Blindness During Binocular Rivalry
Haylee Foster	Senior	Biology	Semra Aytur Rosemary Caron	Public Health Literacy: Essential for an Educated Citizenry
Jesse Gushee	Sophomore	Philosophy	Dante Scala	Opinions of Individuals on Immigration in the United States
Kylee Jedraszek	Junior	Justice Studies, Sociology	Les Fitzpatrick Amy Michael	Conducting an Osteobiography: Analyzing Unidentified Remains
Lily Kalman Emily Pearson	Senior Senior	Justice Studies, Psychology Justice Studies, Psychology	Robert Eckstein	Investigating Transgender Homicides
Rebecca Leary	Senior	Nursing	Kerry Nolte Alyssa O'Brien	Addressing Patient Education Pertaining to Substance Use Risk Factors in the New Hampshire Perinatal Population
Nicole Oberholtzer	Senior	Neuroscience and Behavior	Trish Kelshaw	Does Prior Concussion History Predict Concussion Incidence in Middle School Athletes?
Harrison Parent	Senior	Biochemistry, Molecular and Cellular Biology	Sarah Walker	Targeting the BCL6 Transcription Factor in Ovarian Cancer
Emily Soule	Senior	Economics, Political Science	Dante Scala	The Opioid Crisis In New Hampshire: Public Opinion vs. Number and Nature of Bills Introduced to the State Legislature
Jackson Weinbeck	Freshman	Political Science	Dante Scala	How Americans Vote Based on Their Income
COLSA URC, April 23, 2022				
Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Ry Andruk	Junior	Wildlife and Conservation Biology	Aliya Caldwell Elizabeth Craig	Location, Location, Location: Common Tern (<i>Sterna hirundo</i>) Nest Site Selection in the Gulf of Maine

Sophia Zaslow	Senior	Zoology	David Steinberg	The Relationship between Performance and Coloration in Eastern Red-backed Salamanders (<i>Plethodon cinereus</i>)
Haylee Crowle	Senior	Animal Science	Jessica Briggs Leslie Curren	Noise Pollution and Its Effect on Mate Quality Choice of Cricket, <i>Teleogryllus commodus</i>
Nadire Bek	Senior	Biomedical Science	David Needle Inga Sidor	The Accumulation of Anticoagulant Rodenticides in <i>Lynx rufus</i> from New Hampshire, New Jersey and New York, USA
Maeve Kelley	Senior	Wildlife and Conservation Biology	Jennifer Purrenhage Rebecca Rowe	Mapping Landscape Connectivity for Conservation of the Endangered Blanding's Turtle in New Hampshire
Emily Pratt	Junior	Biochemistry, Molecular, and Cellular Biology	Sarah Walker	Targeting STAT3 in Triple Negative Breast Cancer
Bethany Bussey	Junior	Biomedical Science	Anissa Poleatewich	Natural Disease Suppressiveness of Wood Fiber Substrates
Erica Oliver	Senior	Biomedical Science	Nancy Whitehouse	Determining the Effectiveness of Adi-Flow on Natural Mixed Mycotoxin Contaminated Feed Fed to Lactating Dairy Cows - Blood Constituents
Abigail Ferreira	Freshman	Neuroscience and Behavior	James Haney	Influence of Surface Tension on Production of Toxic Aerosols
Mitchell Norris	Junior	Marine, Estuarine, and Freshwater Biology	James Haney	Influence of Surface Tension on Production of Toxic Aerosols
Harrison Parent	Senior	Biochemistry, Molecular, and Cellular Biology	Sarah Walker	Targeting the BCL6 Transcription Factor in Ovarian Cancer
Interdisciplinary Science & Engineering (ISE) Symposium, April 20, 2022				
Student Name	Class	ISE Award Category	Faculty Adviser	Title of Presentation
Emily Pratt	Junior	Biology	Sarah Walker	Targeting STAT3 in Triple Negative Breast Cancer
Samuel Mercer	Junior	Chemical Eng	Nan Yi	Photocatalytic Conversion of Methane to Syngas over Gold Catalysts
Haley Brown Dan Bukunt Michael Libby Christopher Piekarski Sean Van Scoy	Senior Senior Senior Senior Senior	Civil & Env Eng - Design	Majid Ghayoomi	Narragansett Bay Campus (NBC) Pier Reconstruction
Will Conley Rita Masouras Maya Norris Alissa Reitter	Senior Senior Senior Senior	Civil & Env Eng - Investigation	Zack Chabot Ray Cook	Self-Sinking Caisson Failure Analysis

Will Baldwin Wilder Byrne Cole Gorham Ben Guertin Elizabeth Gun Miles Libby Nathan Raffa Jacob Roberts	Senior Senior Senior Senior Senior Senior Senior Senior	Civil & Env Eng - Research	Felix Devito	The Green Standards Net Zero Home
Timothy Clocksin Cameron Day Matty Hartman William Lee	Senior Senior Senior Senior	CompSci - Applications	Matthew Plumlee Patricia Violette	Albacore VR Submarine Exhibit
Daniel Mattson	Senior	CompSci - Data Science	Marek Petrik	Reinforcement Learning Applied to the Isles of Shoals Smart Grid
Selena Richards	Senior	CompSci - Systems	Momotaz Begum	Robot Guided Exercise Training: The Role of The Human Model
Angelica Dziurzynski	Senior	Earth Sciences	Ruth Varner	Assessing Controls of Methane and Carbon Dioxide Emissions from a Temperate Reservoir
Matthew DiBiase	Senior	Electrical & Computer Eng	Richard Messner	Digital Guitar Effects Pedal
Anne Berg Kelsea Carmichael Molly Derrigan Catey Selby	Freshman Freshman Freshman Sophomore	Innovation Scholars	Savannah DeVoe Diane Foster	Monitoring Flood Severity within a Coastal Community: Developing a Waterproof Housing for a Thermistor and Pressure Sensor
Jaret Armstrong Robbie Dowst Anthony Ferraro Gregory Keeler Jeffrey Leach Edward McLellan Jackson Perry Brian Schwab	Senior Senior Senior Senior Senior Senior Senior Senior	Mechanical Eng - Comp & Clubs	Todd Gross	UNH Precision Racing
Orrin Bliss William Fernandes Jacob Lorden	Senior Senior Senior	Mechanical Eng - Industry	Nathan Daigle John Roth	Automating an F3T Incremental Forming Machine
Patrick Earley Maria Skidmore	Senior Senior	Mechanical Eng - Research	Kyung Jae Jeong	Composite Bioink for Improved Biocompatibility and Mechanical Stability of 3D Printed Tissue-like Structures
Samantha Brady Marco Carattini Ella Caughran Nicholas Hatfield Matthias Page	Senior Senior Senior Senior Senior	Ocean Eng-Group A	Elizabeth Fairchild Tracy Mandel Shelby Perry	Design and Construction of a Recirculating Flume for Lumpfish Adhesion Strength Testing
Lihy Buchbinder	Senior	Physics - Experimentation	Shawna Hollen	Characterizing Insulating States in TaS2 with Atomic Adsorbates
Amanda Wester	Senior	Physics - Theory	John Gianforte	Investigating Signs of Orbital Decay in Exoplanetary Systems

Paul College URC, April 22, 2022

Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Benjamin Clement Diego Smith	Senior Senior	Analytical Economics Analytical Economics	Aziz Saglam	Bitcoin and Stock Market Performance
Emily Soule	Senior	Economics, Political Science	Reagan Baughman	Universal Basic Income: A Response to Job Automation?
Britt Wicander	Senior	Ecogastronomy, Philosophy	Daniel Winans	Analyzing the Sustainability of Three Northeastern U.S. Intentional Living Communities
Andrew Meyer	Senior	Analytical Economics, Philosophy	Bradley Herring	The Health Costs of Anthropogenic Emission PM2.5
Harrison Flagg Kimberly Yuen	Senior Senior	Management Occupational Therapy	Peter Zaimes	Give the People What They Want: Quantitative Decision Making for Entertainment Venues
Ian Berens	Senior	Analytical Economics	James Wible	Monopoly Power in the Labor Market of the New England Revolution

University-Wide Undergraduate Sustainability Research Symposium, April 20, 2022

Student Name	Class	Major/s	Faculty Adviser	Title of Presentation
Kyana Burgess Kylee Casner Justine Cassel Taylor Grant Amanda Kelly Maggy Biega Kate Cone Gillian Reynolds John Rooney Gabriell Sott	Senior Senior Senior Senior Senior Senior Senior Senior Senior Senior	Anthropology, Sustainability Undeclared, Sustainability Marine, Estuarine, and Freshwater Bio, Sustainability Sustainable Ag and Food Systems, Sustainability Management, Sustainability Anthropology, Sustainability Marketing, Sustainability Spanish, Sustainability Communication, Sustainability International Business and Econ, Sustainability	Semra Aytur	Communicating the Connections between Climate Change, Human Health, and Sustainability
Jordan Bohan	Senior	Marketing, EcoG	Dan Winans	Good, Clean and Fair Food Careers
Jeffrey Allen Emma Farnham Amanda Kelly Jilian Lawrence	Sophomore	Bus Admin and Admin, Sustainability Economics, Finance Management, Sustainability Marketing	Erin Allgood	B Clinic: Goods That Matter
Catherine Taylor	Senior	Enviro and Resource Economics	Fiona Wilson	How ThreadUP Moves Fashion towards a Circular Economy
Anna Madden	Sophomore	English	Fiona Wilson	An Analysis of Tom's of Maine's Sustainability Practices
Sawyer Rogers	Senior	Political Science, History	Elizabeth Carter	The State and Nature of Social Capital: Using Kensington, NH as a Lens

Emily Abrusci Nathan Brennan	Freshman Freshman	Environmental Conservation and Sustainability Business Administration	Ian Grant	Grey-t Water
Chloe Gross	Sophomore	Enviro Conservation and Sust	Jennifer Andrews	Examining Potential for Improvements in Composting and Waste Diversion in the UNH, Durham, Lee, and ORCSD Region