

URC 2017 AWARDS OF EXCELLENCE

All Colleges Undergraduate Research Symposium, April 21, 2017 - Oral Session A

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|---------------------|-----------------|--|------------------------------|--|
| Andrew Abrams | Senior | History | Chris Reardon | New Right Same as the Old: The Development of Protectionism in the Front National |
| Nicole Benjamin | Senior | Neuroscience and Behavior | Peter Welch | The Effect of Ageism on Women's Lives |
| Alexander Chase | Senior | Sociology | Cliff Brown | Student Commuters: Unpacking the Factors That Influence How High School Students Commute to School |
| Natalie Gaynor | Recent Graduate | Communication | Nora Draper | The Internet and Social Media: A New Space for Activism and Social Movements |
| Elizabeth Gill | Senior | Sustainable Agriculture and Food Systems & International Affairs | Thomas Safford | Seed Transitions: A Case Study in Costa Rica |
| Christopher Grinley | Senior | German & Political Science | Dilsa Deniz | Gender in Syria: Comparing Gender Roles and the Treatment of Women across ISIS, Rojava, the Assad Regime, and the Opposition |
| Kayla Krueger | Junior | Anthropology | Sara Withers | The Impact of Heroin Addiction on the Community in New Hampshire |
| Abbygale Martinen | Senior | Kinesiology/Sport Studies & Political Science | Lionel Ingram | Cuba, the United States, and Baseball: Why Baseball Diplomacy Failed to Bring the Two States Together |
| Kelsey Nicholson | Senior | History & Women's Studies | Faina Bukher | The Freedom Cafe |
| Alexander Sullivan | Senior | Political Science & International Affairs | Thomas Safford | Media Censorship in China: An In-depth Look at What the Chinese Can and Cannot Say, and Why That Is |
| Jeffrey Wilson | Junior | Psychology | Katie Edwards, Katherine Lee | Understanding Perceptions of Social Media Networks: Implications for Prevention |

All Colleges Undergraduate Research Symposium, April 21, 2017 - Oral Session B

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|-------------------|--------|--------------------------------------|---|--|
| Stephanie Barlow | Senior | Neuroscience and Behavior | Robert Ross | Investigation of the Changes in Oscillatory Power during Rule Switching after Mild Traumatic Brain Injury Changing Attitude toward the Nonproliferation Regime |
| Rebecca Barton | Senior | Communication & Women's Studies | Lyn Tjon Soei Len | The Power of Time-Binds for WOC in the Workforce |
| Kelsey Crowley | Senior | Political Science | Lionel Ingram | U.S. Foreign Policy: A Case Study of ISIL/ISIS |
| Grace Dietz | Senior | Anthropology & International Affairs | Svetlana Peshkova, Denise Pouliot, Paul Pouliot | Native American Cultural Heritage in New Hampshire |
| Hannah Gilman | Senior | French & International Affairs | Thomas Safford | Why Are the French Healthier? |
| Gabrielle Greaves | Junior | English & Women's Studies | Faina Bukher | The Theater Offensive |
| Jacob McLinden | Senior | Economics | Chris Reardon | The Political Economics of Chinese Steel Dumping |
| Michaela Todd | Senior | History & International Affairs | Thomas Safford | Self-Identification in Catalonia |
| Anna Tumber | Senior | Communication | Danielle Pillet-Shore | The Exploration of Teaching Yoga |

All Colleges Undergraduate Research Symposium, April 21, 2017 - Oral Session C

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
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|--------------------|--------|---|-----------------------------------|---|
| Chelsea Evankow | Junior | Biology & Women's Studies | Jane Stapleton | African-American Women in Higher Education at the University of New Hampshire |
| Nolan Flagg | Senior | Justice Studies & Political Science | Alyna Lyon | A Robust Mandate: An Evaluation of MINUSMA in Mali and the Effectiveness of Chapter VII Authorized Peacekeeping |
| Alexandria Hidrovo | Junior | Environmental Engineering | James Malley | Applying MP UV Disinfection with Low Wavelength Monitoring to Achieve Sustainable Public Health Protection |
| Samantha Leiper | Senior | Political Science | Tama Andrews | Veteran Care in New Hampshire: Analysis of Interest Group Theory and Related Influences |
| Robert Maynard | Junior | Communication & Linguistics | Michael Jackson, Michelle Gibbons | Nolan and Interstellar: The Argument to Save Tradition |
| Cayden O'Dea | Junior | Women's Studies | Katie Edwards | Growing Up Trans |
| Graham Peterson | Senior | History | Daniel Beller-McKenna | Metal Machine Music: The Worst Album Ever Recorded |
| Sarah Piet | Senior | Biochemistry, Molecular, and Cellular Biology | Sandhya Shetty | The Right to Die with Dignity |

All Colleges Undergraduate Research Symposium, April 21, 2017 - Poster Session A

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|---------------------|--------|--------------------------------------|------------------------------------|---|
| Sarah Balmilero | Junior | Psychology | Katie Edwards | The Relationship between Demographic Factors and Teacher's Intentions and Efficacy to Intervene in Student Relationship Abuse |
| Marisa Butler | Senior | Nutrition/Dietetics | Jesse Morrell | Profiling the Health, Wellness, and Nutrition of Collegiate Dancers |
| Yvonne Cristy | Junior | Psychology | Katie Edwards, Stephanie Sessarego | High School Dating and Sexual Violence Prevention Program Feasibility and Fidelity: A Quantitative Approach |
| Mikaela Frechette | Junior | Kinesiology/Exercise Science | Summer Cook | Physical Function, Health, and Wellbeing in Older Adults |
| Alyson Messina | Senior | Occupational Therapy | Sajay Arthanat | A Survey to Explore Usability and Cost Benefits of Assistive Technology in the Workplace |
| Shannon Nadeau | Senior | Occupational Therapy | Vidyalakshmi Sundar | The Impact of Patient Coping during Inpatient Rehabilitation on the Long-Term Recovery of Patients with Cardiac-Related Illness |
| Katherine Shelhamer | Junior | Anthropology | Eleanor Harrison-Buck | Cultural and Environmental Dynamics of the Maya: Investigating Settlements and Wetland Resources |
| Kassie Zukowski | Senior | Communication Sciences and Disorders | Allan Smith | An Analysis of the Northwestern University Children's Perception of Speech Assessment Tool |

All Colleges Undergraduate Research Symposium, April 21, 2017 - Poster Session B

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|----------------------------------|------------------|---|--|---|
| Lauren Barker | Senior | Nursing | Gene Harkless | Self Care of T2DM Patients with Chronic Wounds in Ghana |
| Yamilex Bencosme | Junior | Sociology & Women's Studies | Victoria Banyard | On Our Way to Ending Sexual Violence: Engaging Bystanders and Building Awareness |
| Nicholas deDiego | Senior | Genetics | Estelle Hrabak | Genetic Interactions of Protein Phosphatase 2A Subunits in Roots during Salt Stress |
| Elizabeth Faircloth | Senior | Biology | Paul Tsang | Is the Expression of Tissue-Degrading Enzymes in the Skeletal Muscle of Spiny Dogfish Correlated to Capture Stress? |
| Myrilla Hartkopf | Senior | Environmental Conservation and Sustainability | Alexandra Contosta, Andrew Grandy, Scott Greenwood | Evaluating the Effects of Rotational Grazing Soil Microbial Activity |
| Sumeet Panesar Zachary Tepper | Junior Senior | Neuroscience and Behavior | Arturo Andrade | Characterization of Cholecystokinin-Expressing Neurons in Sensory Areas of Spinal Cord and Trigeminal Nucleus |
| Kitty Savage | Senior | Medical and Veterinary Sciences | Arturo Andrade | The Effect of Neurogranin Manipulation on Immediate Early Gene Expression |

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| Eleni Zotos | Senior | Nursing | Gene Harkless | Urinary Incontinence among Female High School Athletes: A Pilot Study |
| Phi Beta Kappa URC Award | | | | |
| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
| Stephanie Morales | Senior | English/Journalism & International Affairs | Dilsa Deniz | The Impact of the Berlusconi Administration on Gender Equity in Italy |
| Center for International Education (CIE) URC Awards | | | | |
| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
| Grace Dietz | Senior | Anthropology & International Affairs | Dilsa Deniz | Islamophobia in the American Media |
| Alexander Sullivan | Senior | Political Science & International Affairs | Thomas Safford | Media Censorship in China: An In-depth Look at What the Chinese Can and Cannot Say, and Why That Is |
| Interdisciplinary Science and Engineering (ISE) Symposium, April 19, 2017 | | | | |
| Student Name | Class | ISE Award Category | Faculty Adviser | Title of Presentation |
| Peter Abdu Naomie Clark Alexander Clemons Paul Gesel Graham Pirie Mary Sareault Langdon Tarbell | Senior | Ocean Engineering | Thomas Weber | The Poseidon Project: Portable SONAR Device for Ocean Floor Mapping |
| Katherine Bemis Zachary Jarosz Adam Murphy Taylor St. Peter Gregory Stragnell | Senior | Civil Engineering - Dry Infrastructure | Zachary Chabot, Raymond Cook | Atlanta Botanical Garden Walkway Collapse Forensic Analysis |
| Aaron Blais Cody Shaw | Senior | Computer Science - Research | Radim Bartos | Network-Based Precise Time Synchronization |
| Jasmin Buteau | Senior | Biology | Jennifer Miksis-Olds | Characterizing an Unknown Blue Whale (<i>Balaenoptera musculus</i>) Population in the South Atlantic Ocean through Acoustic Analysis of Song |
| Alec Cunningham Adam Lovell | Senior | Mechanical Engineering - Research | Ivaylo Nedyalkov | Cyclist Aerodynamic Analysis in Cross Wind |
| Tessa Gorte | Senior | Physics/Mathematics | David Mattingly, Cameron Wake | Analyzing Sea Level Rise Due to Melting of Antarctic Ice and Dispersion of Sea Water from Mass Redistribution |
| Sean Kramer | Senior | Electrical & Computer Engineering - Software/System Design | Qiaoyan Yu | Mitigating Control Flow Attacks in Embedded Systems with a Hardware-Based Approach |
| Brent Lawson | Junior | Chemistry | Margaret Greenslade | Dicarboxylic Acid Shell on an Inert Aerosol Core: A Variable Controlled Hygroscopicity Investigation with Unexpected Results |
| Joanna Lewis Paige Taber | Senior | Civil Engineering - Research | Robin Collins | Constant Flow in a Drip Chlorination System |
| Liam McGrath Casey Melrose David Thibault Julia Camacho | Senior | Civil Engineering - Wet Infrastructure | Kevin Gardner | Exploring Dam Removal Alternatives for Newmarket's Macallen Dam |
| Maria Panacopoulos | Senior | Electrical & Computer Engineering - Hardware Design | Michael Carter | ISINGLASS Ground Instrumentation Xybian Control Box |
| Travis Paola Jacob Morgan Thomas Giarratano Brandon Clark Adam Benincasa Kyle Poodiack | Freshman Senior Junior Senior Senior Senior | Mechanical Engineering - Competition Teams | Alireza Ebadi | UNH AeroCats |
| Kylie Patton Mitchell Fillion | Senior | Computer Science - Applications | Colette Powers | Peer Review Dashboard |

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| Simon Popecki Carlos Graniello | Senior | Mechanical Engineering-Industrial | John Bundza, Ioannis Korkolis, Tim Noronha | Method of Non-Contact Machining by Means of Electrochemical Turning |
| Katherine Rocci | Senior | Earth Sciences/Environmental Science | Ruth Varner | Seasonal Changes in the Isotopic Composition and Concentration of CH ₄ at a Sub-Arctic Mire in Abisko, Sweden |
| Madison Wood | Sophomore | Chemical Engineering/Bioengineering | Nan Yi | Synthesis and Characterization of Copper and Cesium Modified Heteropoly Acids |

Thompson School of Applied Science Student Showcase, April 19, 2017

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|---------------|--------|----------------------|------------------|--|
| Julian Linero | Senior | Community Leadership | Timothy Barretto | House of Hope, the Community's Free Restaurant |

UNH Manchester URC, April 18, 2017 - Oral Presentations

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|---|----------------------------|--------------------------------|-----------------|---|
| Victoria Gouveia Patricia Melillo Allison Payne | Junior Senior Junior | Politics and Society | Stephen Pimpare | SB 66: Fetal Homicide Law |
| Ryan Sanborn | Senior | History & Politics and Society | Stephen Pimpare | The International Institute of New England: Our Mission, Our Clients, and Community Impact |

UNH Manchester URC, April 19, 2017 - Poster Presentations

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|--------------|-----------------|---------------------|-----------------|--|
| Abigail Goen | Senior | Biological Sciences | Sarah Prescott | Duchenne Muscular Dystrophy |
| Laura Tuttle | Recent Graduate | Psychology | Alison Paglia | Layperson Knowledge of Hospice/Palliative Care Services and Enrollment Requirements |

UNH Manchester URC, April 19, 2017 - Computing Technology Poster Presentations

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|-----------------|-----------|---------------------|-----------------|--|
| Claudia Maynard | Sophomore | Biological Sciences | Mihaela Sabin | Youth Program for English Language Learners: Education Impact |

UNH Manchester URC, April 20, 2017 - Cinema Arts Day

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|------------------------------------|-----------|---------------------|-----------------|--|
| Katelynn Brooks Vanessa Russell | Senior | Biological Sciences | Patricia Halpin | The Mangroves of Belize |
| Trent Gobel | Sophomore | Undeclared | Anthony Tenczar | Pretty Good: A Short Film about Females in Skateboarding as Presented by Micaela Wilson, a Former Semi-Professional Skateboarder |
| Cameron Wright | Senior | Communication Arts | Anthony Tenczar | Mindfulness |

UNH Manchester URC, April 21, 2017 - Engineering Technology Senior Project Presentations

| Student Name | Class | Major | Faculty Adviser | Title of Presentation |
|---------------------------|--------|-----------------------------------|---------------------|---|
| Daniel Crean | Senior | Electrical Engineering Technology | Christopher LeBlanc | Water Methanol Injection Control System |
| Michael Greenawalt-Nguyen | Senior | Mechanical Engineering Technology | Sean Tavares | Ardent Concepts Failure Analysis |

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| Steven Kazakis | Senior | Mechanical Engineering Technology | Sarah Grosvenor | UNH Cooperative Extension: Hydroponics |
| Andrew Kelsall | Senior | Mechanical Engineering Technology | Sean Tavares | Analysis of the Oil Circulation System of the Magnum Compact's Gear Case |