

### Provost Fund for Student Research 2015-2016

| Round | Faculty Sponsor                                | Student Name(s)                                                                                             | Title                                                                                                                        | Conference Location |
|-------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Fall  | Nancy Breen                                    | Mary Yurkevicius                                                                                            | Fatty acid profiles of marine fishes from RI Coastal waters                                                                  | San Diego, CA       |
| Fall  | Margaret Case                                  | Jacquelyn Voghel                                                                                            | Sinking Capitalist and Classist Values:James Cameron's <i>Titanic</i>                                                        | Seattle, WA         |
| Fall  | Gokhan Celik                                   | Joshua Snarski<br>Alec Brown<br>Phillip Romagnoli<br>Anthony Racicot<br>Brianna Moretti<br>Brittany Reed    | ASC Regional Student Competition - Design Build Team                                                                         | Morristown, NJ      |
| Fall  | Gokhan Celik                                   | Joshua Snarski                                                                                              | Determining Characteristics in Developing Economies that Influence Sustainable Construction                                  | Hamburg, Germany    |
| Fall  | Julie Coon                                     | Nicholas Dillon                                                                                             | Effectiveness of School Safety Strategies Used by New England High Schools                                                   | Washington DC       |
| Fall  | Laura D'Amore                                  | Sarah Gomes                                                                                                 | Historical Representation and Dramatization of Sexiology : Showtime's Masters of Sex                                         | Seattle WA          |
| Fall  | Laura D'Amore                                  | Harry Hall                                                                                                  | Revolutionary Rhode Island                                                                                                   | Seattle, WA         |
| Fall  | Michael Emmer                                  | Chris Kavanaugh<br>Paul Righenzi<br>Michael Orlando<br>Jonathan Hentze<br>Jeffrey Bergeron<br>Andrew Miller | Associated Schools of Construction Region I Student Competition                                                              | Morristown, NJ      |
| Fall  | Amine Ghanem                                   | Kevin Sheehan<br>Nick Bellucci<br>Anthony Competiello<br>Tucker Carlson<br>Brian Cheney<br>Eli Mason        | ASC Region I Heavy Civil Competition                                                                                         | Morristown, NJ      |
| Fall  | Marcia Marston                                 | Alex Veglia<br>Caleb Milford                                                                                | Genomic Variation, Host Range, and Infection Kinetics of Closely Related Cyanopodoviruses from New England Coastal Waters    | New Orleans, LA     |
| Fall  | Geraldo Matos<br>Al Cutting<br>Kathleen Micken | Not available yet                                                                                           | National Student Advertising Competition                                                                                     | Boston, MA          |
| Fall  | Clifford Murphy                                | Amanda McCabe                                                                                               | Development of a Photo and Electrochemical Detector of Thiocyanate in Marine Environments                                    | San Diego, CA       |
| Fall  | Nancy Nester                                   | Drew Canfield                                                                                               | Insitutionalized Divisions: Declining Utopian Prospects and the Growing Social Divide between STEM and Liberal Arts Students | Pittsburg, PA       |
| Fall  | Stephen O'Shea                                 | Mitchell Crick                                                                                              | Biomimetic CFCs Degradation: an Insight to Biotic Halogen Cycling                                                            | San Diego, CA       |

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| Fall | Stephen O'Shea                 | Meghan de Vries                   | Enhancement of phytoremediation through insitu metal chelation                                                                                                          | San Diego, CA  |
| Fall | Stephen O'Shea                 | Jacqueline Hugger                 | XRF analysis of the otolith: a potential environmental bioindicator of salinity and toxic metal exposure                                                                | San Diego, CA  |
| Fall | Stephen O'Shea                 | Ryan Phelps                       | Investigation of the Environmental Impact and Legacy of Pressure Treated Wood on Marine Organisms                                                                       | San Diego, CA  |
| Fall | Stephen O'Shea                 | Bryce Rashbaum                    | Insitu phytoestrogen enhanced heavy metal phytoextraction                                                                                                               | San Diego, CA  |
| Fall | Eleftherios Pavlides           | Jacob Droogan                     | Shifting Architectural Design to Create Health Stations, a New Building Type Informed by Ethnographic Photo-elicitation                                                 | Raleigh, NC    |
| Fall | Eleftherios Pavlides           | Leslie Hulbert                    | Shifting Ethnographic Methods: Photo-Elicitation to Bring the Physical Environment in Environmental Research                                                            | Raleigh, NC    |
| Fall | Eleftherios Pavlides           | Bradley Postian                   | Shifting Methods in Environmental Design Research: The Architect's Role in Filtering Data to Provide Context for Interpretation in Order to Arrive at Reliable Findings | Raleigh, NC    |
| Fall | Jennifer Pearce                | Faihan Alfahani                   | DNA Extraction and Isolation                                                                                                                                            | Boston, MA     |
| Fall | Jennifer Pearce                | Drew Canfield<br>Harrison Quinn   | DNA Extraction and Isolation                                                                                                                                            | Binghamton, NY |
| Fall | Robert Potter                  | Taylor Abrahamian                 | ASEM Human Powered Vehicle (HPV)                                                                                                                                        | Eastern US     |
| Fall | Aimee Shelton                  | Maggie Bergman<br>Morgan Soucy    | Teen Rebellion: What is Primetime TV Teaching                                                                                                                           | Seattle, WA    |
| Fall | Aimee Shelton                  | Andrew Davis                      | Who is Cait? Investigating Credibility                                                                                                                                  | Seattle, WA    |
| Fall | Aimee Shelton                  | Jami Hall                         | Culture Wars! British vs. American TV                                                                                                                                   | Seattle, WA    |
| Fall | Roxanna Smolowitz              | Mary Agnew                        | Development of a PCR assay for detection of <i>Proctoecees maculatus</i> in the water column                                                                            | Las Vegas, NV  |
| Fall | Thomas Sorger                  | Chris Materna                     | Expression of the metal response in the Asian lancelet <i>Branchiostoma belcheri</i>                                                                                    | San Diego, CA  |
| Fall | Becky Spritz                   | Haya Awwad<br>Drew Canfield       | I'll Link to That! Making Big Plans at Small College Honors Programs                                                                                                    | Chicago, IL    |
| Fall | Becky Spritz                   | Samantha Kessler                  | Global Citizens: How Study Abroad Opportunities Enhance the Honors Mission                                                                                              | Chicago, IL    |
| Fall | Becky Spritz                   | Kelly Sobolewski                  | The Theory of Disruption: A Content Marketing Case Study                                                                                                                | Chicago, IL    |
| Fall | Matthew Stein<br>Ben McPherson | Alexander Stein<br>Colleen Munroe | Intelligent Ground Vehicle Competition for Engineering Design                                                                                                           | Rochester, MI  |
| Fall | Minoo Tehrani                  | Nicole Williams                   | The Future Direction of the Global Pharmaceutical Industry: The Case of US and the European Union                                                                       | Alexandria, VA |
| Fall | Minoo Tehrani                  | Emma Keane<br>Lindsay Lucier      | Global Clothing Manufacturing & Exporting Countries                                                                                                                     | Alexandria, VA |
| Fall | Charles Thangaraj              | Alexander Proulx<br>Sara Vose     | A design prototype - windmill design to reduce noise, wildlife impact, visual impact and energy uncertainty                                                             | Boston, MA     |

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| Fall | Cliff Timpson   | Kate Digan   | Dye Sensitized Solar Cells utilizing polyethylenedioxythiophene (PEDOT) cathodes and a new Light-absorbing dye complex                          | San Diego, CA |
| Fall | Adria Updike    | Sidney Finan | Contemporaneous Optical & X-Ray Observations of V40 + Cygni Outburst                                                                            | Kissimee, FL  |
| Fall | Yajni Warnapala | Jill Resh    | The Numerical Solution for the Helmholtz Equation via the Modified Galerkin Method for the Biconcave Disk ("Bloodcell") Shape: the Mars Project | Seattle, WA   |

**Fall 2015 Totals = \$31,919**

**Fall 2015 & Spring 2016 Totals = \$60,948**

| Round                                | Faculty Sponsor             | Student Names                     | Title                                                                                                                                       | Location         |
|--------------------------------------|-----------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Spring 2016 Totals = \$29,029</b> |                             |                                   |                                                                                                                                             |                  |
| Spring                               | Chunyan Bai                 | Patrick George<br>Brad Mahar      | Analysis of Multi-Parameter Authentication in Cloud Computing                                                                               | Asheville, NC    |
| Spring                               | Chunyan Bai                 | Andrew Bernardes<br>Soares Guedes | High Dimensional Data Foresics with Locality Sensitive Hashing                                                                              | Asheville, NC    |
| Spring                               | Chunyan Bai                 | Maram Sultan<br>Patrick Ruddiman  | Addressing Insider Attacks from the Perspective of Cloud Service Providers                                                                  | Asheville, NC    |
| Spring                               | Garrett Berman              | Brittany Pereira                  | To Be Consistent or Inconsistent: The Effects of Multiple Confidence Statements on Mock-Juror Perceptions of Eyewitness Testimony           | Chicago, IL      |
| Spring                               | Adam Braver                 | Abigail DeVeuve<br>Grace Napoli   | Student Engagement and Social Justice                                                                                                       | Montreal, Canada |
| Spring                               | Charlotte Carrington-Farmer | Breanne Messier<br>Sarah Gomes    | Abigail Stoneman: 18th Century Entrepreneurial Prowess                                                                                      | Middlebury, VT   |
| Spring                               | Margaret Case               | Maggie McLaughlin                 | Presentation of Research at International Honorary Conference, Sigma Tau Delta                                                              | Minneapolis, MN  |
| Spring                               | Avelina Espinosa            | Meagan Hackey                     | <i>Entamoeba</i> spp. As Models of Environmental Stresses in Marine and Freshwater Protists                                                 | San Diego, CA    |
| Spring                               | Avelina Espinosa            | Joshua Leitao                     | Structural, biochemical characterization, and evolutionary origin of alcohol/aldehyde dehydrogenases (ADHE) in the <i>Entamoeba</i> lineage | San Diego, CA    |
| Spring                               | Avelina Espinosa            | Alexander Tight                   | Inhibitory Effects of Substituted Pyrazoline Derivatives on <i>Entamoeba histolytica</i> .                                                  | San Diego, CA    |

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| Spring | Farbod Farhadi       | Matthew Mazzie                                                                                                                                  | Using Data Mining Tools to Determine a Distribution Plan for Ebola Vaccine in Western African Regions                                                                   | Alexandria, VA  |
| Spring | Nicole Martino       | Kyle Lourens, Emily Carrier, Alexia Byusa, Nicole Capistran, Blake Hudson, Will Peregoy, Andrew Holt, Taylor Winnick, Taylor Owen, Emily Tartas | ASCE Student Conference - New England Region                                                                                                                            | Boston, MA      |
| Spring | Clifford Murphy      | Connor Sweet                                                                                                                                    | Application of Chromophonic dyes with applies bias to increase photoconversion efficiency of dye sensitized solar cells                                                 | San Diego, CA   |
| Spring | Roxanne O'Connell    | Amelia Deering                                                                                                                                  | Vulture Watching Starving Child: Through the Analytical Lenses of Reality and Ethics                                                                                    | Baltimore, MD   |
| Spring | Roxanne O'Connell    | Mairead Holt                                                                                                                                    | Symbolic Annihilation as Shown in the Discourses of Orange is the New Black and New Girl                                                                                | Baltimore, MD   |
| Spring | Roxanne O'Connell    | Manveer Singh                                                                                                                                   | Overthinking Mandarin                                                                                                                                                   | Baltimore, MD   |
| Spring | William Palm         | Stephanie Gratiano                                                                                                                              | Can a Five Minute, Three Question Survey Foretell First-Year Engineering Students Performance and Retention?                                                            | New Orleans, LA |
| Spring | Eleftherios Pavlides | Jacob Droogan                                                                                                                                   | Shifting Architectural Design to Create health Stations, a New Building Type Informed by Ethnographic Photo-elicitation                                                 | Raleigh, NC     |
| Spring | Eleftherios Pavlides | Leslie Hulbert                                                                                                                                  | Shifting Ethnographic Methods: Photo-Elicitation to Bring the Physical Environment in Environmental Research                                                            | Raleigh, NC     |
| Spring | Eleftherios Pavlides | Bradley Postian                                                                                                                                 | Shifting Methods in Environmental Design Research: The Architect's Role in Filtering Data to Provide Context for Interpretation in Order to Arrive at Reliable Findings | Raleigh, NC     |
| Spring | Jennifer Pearce      | Drew Canfield<br>Faihan Alfahani                                                                                                                | DNA Extraction and Isolation                                                                                                                                            | Binghamton, NY  |

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| Spring | Robert Potter      | Taylor Abrahamian,<br>Robert Daley,<br>Elizabeth Flaherty,<br>Megan Keeler, Michael<br>Mischke, Giovanni<br>Piscitelli | ASME Human Powered Vehicle                                                                                                            | San Jose, CA            |
| Spring | Joseph Roberts     | Kristina Biyad<br>Kaitlin McKenna                                                                                      | Human Rights                                                                                                                          | Newport, RI             |
| Spring | Jessica Skolnikoff | Emily Wall<br>Lauryn Pregoni<br>Julie Lavoie<br>Danielle Bernier                                                       | Gym Class Legacies                                                                                                                    | Saratoga<br>Springs, NY |
| Spring | June Speakman      | Stephen Caruso                                                                                                         | Do early primary results shift voer opinion? The case<br>of Rhode Island Republicans                                                  | Newport, RI             |
| Spring | June Speakman      | Jessica Soares<br>Rachel Wells                                                                                         | State Assistance to Fiscally Distressed Communities:<br>was Central Falls consistent with best practice?                              | Newport, RI             |
| Spring | Becky Spritz       | *Anya Dussault                                                                                                         | The Migration of Cultural Identities of Chinese<br>American Adoptees                                                                  | Cambridge, MA           |
| Spring | Becky Spritz       | *Sarah Gomes                                                                                                           | The Migrations of Harlem: From Renaissance to<br>Gentrification                                                                       | Cambridge, MA           |
| Spring | Becky Spritz       | *Emma Guillot                                                                                                          | Regligious Icons of Migration                                                                                                         | Cambridge, MA           |
| Spring | Becky Spritz       | *Maggie McLaughlin                                                                                                     | Eugene O'Neill's <i>Long Day's Journey Into Night</i> : An<br>Unwitting Chronicle of Migration of Religious<br>Skepticism across Time | Cambridge, MA           |
| Spring | Becky Spritz       | *Breanne Messier                                                                                                       | From Patriarchal Inculcation to Intersectional<br>Feminism: A Call for Migration in History Education                                 | Cambridge, MA           |

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| Spring | Becky Spritz      | *Kristi Perreault                                                   | Are the Migrations of American Students Hindered by Technology?                                                                                      | Cambridge, MA  |
| Spring | David Taylor      | Kelly Cribari                                                       | Blue crab predation on juvenile winter flounder in New England waters assessed through PCR-based methods                                             | Portland, ME   |
| Spring | David Taylor      | Molly Fehon                                                         | Foraging ecology of blue crabs ( <i>Callinectes sapidus</i> ) and their potential impact on winter flounder ( <i>Pseudopleuronectes americanus</i> ) | Portland, ME   |
| Spring | Minoo Tehrani     | Jacobb Evangelos<br>Robert Lee<br>Devon Walker                      | Global Economies: China and Japan                                                                                                                    | Alexandria, VA |
| Spring | Minoo Tehrani     | Keith Chamberlain                                                   | Restaurant Industry                                                                                                                                  | Alexandria, VA |
| Spring | Charles Thangaraj | Kristen Neff<br>Darren McCall<br>Rei Medina<br>Daniel Wisniewski    | IEEE Solar                                                                                                                                           | Dayton, OH     |
| Spring | Charles Thomas    | Brittney Perreault<br>Lee Janusewski<br>Dan Arket<br>Michael Aiardo | Senior Engineering Design Project - Race to Zero                                                                                                     | Golden, CO     |
| Spring | Brian Wysor       | Matthew Koch                                                        | DNA Barcoding Assessment of the Red Algal Family <i>Rhodomelaceae</i> Uncovers Previously Unrecorded Species Diversity in Rhode Island Waters        | Westfield, MA  |
| Spring | Brian Wysor       | Kelly DeMolles                                                      | DNA barcoding reveals new distribution records of green macroalgae (Chlorophyta: Ulvophyceae) in RI waters                                           | Westfield, MA  |
| Spring | Matt Zaitchik     | Matthew Fleischman                                                  | An Evolution of a Police Crisis Response Model in RI for Persons with Mental Illness                                                                 | Atlanta, GA    |