

| session | board | Poster ID   | location     | Abstract submitter     | Mentor              | Title of Abstract                                                                                                                          |
|---------|-------|-------------|--------------|------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A       | 1     | <b>A-1</b>  | FCAE - Toray | Doolittle, Matthew     | Akosman, Ahmet      | AI-Assisted Design and Experimental Validation of 3D-Printed Terahertz Fiber Sensors for Biomedical Sensing Toward Early Cancer Detection  |
| A       | 2     | <b>A-2</b>  | FCAE - Toray | DiNovi, Sabrina        | Davis, Sarah        | Characterizing Plastic and Non-Plastic Litter on Rhode Island, USA Beaches                                                                 |
| A       | 3     | <b>A-3</b>  | FCAE - Toray | Goldzweig, Lily        | Davis, Sarah        | Ingestion and accumulation of microplastics in the Ribbed Mussel ( <i>Geukensia demissa</i> )                                              |
| A       | 4     | <b>A-4</b>  | FCAE - Toray | Wangari, Racheal       | Espinosa, Avelina   | Designing Molecular Gene Probes Using Bioinformatics and Molecular Tools to Detect the 'Presence' of <i>Pseudo-nitzschia delicatissima</i> |
| A       | 5     | <b>A-5</b>  | FCAE - Toray | Turbi, Elizabeth       | Hewins, Daniel      | Gaining insight into perspectives on microplastics pollution through summer camp curriculum at Camp Woonasquatucket.                       |
| A       | 6     | <b>A-6</b>  | FCAE - Toray | Pamias-Nieves, Paola   | Jeznach, Lillian    | Effects of wind speed and direction on microplastic deposition in Narragansett Bay                                                         |
| A       | 7     | <b>A-7</b>  | FCAE - Toray | Lopes, Amber           | Maia, Anabela       | Ready for Recovery: Preparing Coastal Communities for Extreme Weather Through Education and Outreach                                       |
| A       | 8     | <b>A-8</b>  | FCAE - Toray | Shepard, Elizabeth     | Maia, Anabela       | Fishing Through Microplastics: The Impact of Microplastics on Black Sea Bass                                                               |
| A       | 9     | <b>A-9</b>  | FCAE - Toray | Seitkarim, Suleimen    | Maia, Anabela Maria | Skates have microplastics too!                                                                                                             |
| A       | 10    | <b>A-10</b> | FCAE - Toray | Aldana Mendez, Anthony | Markert, Jeffrey    | Exploring Aerial Environmental DNA Methods for Invasive Species Detection.                                                                 |
| A       | 11    | <b>A-11</b> | FCAE - Toray | Ramos, Anthony         | Medina, Vincent     | Mortality Salience, Delay Discounting, and Environmental Risk Perceptions                                                                  |
| A       | 12    | <b>A-12</b> | FCAE - Toray | Tanjong, Shakina       | Narvaez Diaz, Carla | Effects of energetic stress on the development of gonads in the Purple Sea Urchin ( <i>Strongylocentrotus purpuratus</i> )                 |
| A       | 13    | <b>A-13</b> | FCAE - Toray | Furtado, Noah          | Narvaez Diaz, Carla | Spatial distribution of adhesive granules in sea urchin <i>Strongylocentrotus purpuratus</i> tube feet discs                               |
| A       | 14    | <b>A-14</b> | FCAE - Toray | Hill, Sara             | Trandafir, Simona   | Linking Rhode Island Local Food Supply and Consumer Demand: Integrating Spatial Food Flow Mapping with Consumers Demand Survey             |
| A       | 15    | <b>A-15</b> | FCAE - Toray | ames, aaron            | O'Neill, Daniel     | 51 summers                                                                                                                                 |
| A       | 16    | <b>A-16</b> | FCAE - Toray | Cabral, Gale           | O'Neill, Dan        | Sea Urchin!                                                                                                                                |
| A       | 17    | <b>A-17</b> | FCAE - Toray | Crosby, Elwood         | O'Neill, Daniel     | Poem of the Common Dandelion                                                                                                               |
| A       | 18    | <b>A-18</b> | FCAE - Toray | Kukulka, Samantha      | O'Neill, Daniel     | Hidden Beauties                                                                                                                            |
| A       | 19    | <b>A-19</b> | FCAE - Toray | Zoglio, Rook           | O'Neill, Daniel     | Little Hidden Things                                                                                                                       |

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|---------|-------|-------------|--------------------|--------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| A       | 20    | <b>A-20</b> | FCAE - Toray       | Bratsos, Abigail   | O'Shea, Stephen      | Sunburned Plastic: The Effect of UV Radiation on Plastics                                                                        |
| A       | 21    | <b>A-21</b> | FCAE - Toray       | Raposo, Marcus     | O'Shea, Stephen      | A Wrack of Our Own Making: The Characteristics and Impacts of Plastics Entangled in Macroalgae                                   |
| A       | 22    | <b>A-22</b> | FCAE - Toray       | Dyehouse, Chloe    | Nicholson, Charlie   | Pollinators of maleberry ( <i>Lyonia ligustrina</i> ) in the Rhode Island Great Swamp                                            |
| A       | 23    | <b>A-23</b> | FCAE - Toray       | Gitelman, Naomi    | Phillips, Brennan    | Design and development of a deep-sea hydrophone with tethered fiber-optic communication to an UAV                                |
| A       | 24    | <b>A-24</b> | FCAE - Toray       | Georgeou, Paige    | Poling-Skutvik, Ryan | Developing an Optical Microscopy Method to Detect Microplastics in Environmental Samples                                         |
| A       | 25    | <b>A-25</b> | FCAE - Toray       | Burns, Isabelle    | Rahmani, Maryam      | Investigation of DNA-SWCNTs as a Near-Infrared Fluorescence Sensor for HDPE Microplastic Detection                               |
| A       | 26    | <b>A-26</b> | FCAE - Toray       | Harvey, Cara       | Rhyne, Andrew        | Microfluidic Particles as Larval Diet: Development of Alginate Hydrogel Spheres                                                  |
| A       | 27    | <b>A-27</b> | FCAE - Toray       | Phelps, Collin     | Sharon, Galit        | Reproductive Development of <i>M. mercenaria</i> populations across Rhode Island                                                 |
| A       | 28    | <b>A-28</b> | FCAE - Toray       | Sarris, Mia        | Sharp, Koty          | Microbiome dynamics of reduced winter dormancy in the temperate coral <i>Astrangia poculata</i>                                  |
| A       | 29    | <b>A-29</b> | FCAE - Toray       | Kasper, Adele      | Taylor, David        | Resident and Transitory Behavior in Juvenile Sand Tiger Sharks Using Acoustic Telemetry                                          |
| A       | 30    | <b>A-30</b> | FCAE - Toray       | Natoli, Michael    | Taylor, David        | Mercury Contamination in Stocked Rainbow Trout Relative to Species in Upper Melville Pond, Portsmouth, Rhode Island              |
| A       | 31    | <b>A-31</b> | FCAE - Lower Level | Feikin, Yala       | Andreu, Irene        | The Role of Particle-Particle Collisions on the Generation of Secondary Microplastics                                            |
| A       | 32    | <b>A-32</b> | FCAE - Lower Level | Valois, Connor     | Andreu, Irene        | Magnetically Responsive Shape Memory Composites for 4D Printing                                                                  |
| A       | 33    | <b>A-33</b> | FCAE - Lower Level | Dakin, Ava         | Carroll, Maria       | Synthesis and Characterization of Iron $\alpha$ -Diimine Complexes and Exploration of Applications in Electrocatalytic Reactions |
| A       | 34    | <b>A-34</b> | FCAE - Lower Level | Girzadas, Susan    | Banker, Roxanne      | Comparison of <i>Mya arenaria</i> Habitat Characteristics at Two Locations in the Great Salt Pond of Block Island, RI            |
| A       | 35    | <b>A-35</b> | FCAE - Lower Level | Garies, Adam       | Bonoan, Rachael      | Establishing Goal-Oriented Pollinator Gardens in Southeastern New England                                                        |
| A       | 36    | <b>A-36</b> | FCAE - Lower Level | Micalizzi, Diana   | Carnevale, David     | Microwave-Assisted Synthesis and Characterization of Multifunctional Nanomaterials                                               |
| A       | 37    | <b>A-37</b> | FCAE - Lower Level | Kelly, Jacob       | Ford, Emily          | Hypoxia Plus Heavy Metals Alters Growth in <i>Tetrahymena pyriformis</i>                                                         |
| A       | 38    | <b>A-38</b> | FCAE - Lower Level | Makasha, Hevelina  | Ford, Emily          | Phagocytosis of Microplastics in <i>Tetrahymena pyriformis</i>                                                                   |

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|---------|-------|-------------|--------------------|----------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A       | 39    | <b>A-39</b> | FCAE - Lower Level | Moore, Zaire         | Geana, Andra           | Feedback structure may impact link between Performance and Metacognitive Confidence differently in ADHD and no-ADHD groups                                     |
| A       | 40    | <b>A-40</b> | FCAE - Lower Level | Smith, Veronica      | Geana, Andra           | Using AI assistants changes cognitive problem-solving profile and physiological responses to stress.                                                           |
| A       | 41    | <b>A-41</b> | FCAE - Lower Level | Salina, Olivia       | Jimenez, Yordano       | Three passive mechanisms allow the caudofemoralis longus to serve terrestrial and aquatic locomotion in the American alligator                                 |
| A       | 42    | <b>A-42</b> | FCAE - Lower Level | Donnelly, Ryan       | Kausch, Albert         | Do Genome Editing Tools Effect Transformation Efficiency in Sorghum Bicolor?                                                                                   |
| A       | 43    | <b>A-43</b> | FCAE - Lower Level | Planchet, Isabelle   | Scaplen, Kristin       | Serotonin transport and ethanol-associated feeding in Drosophila melanogaster                                                                                  |
| A       | 44    | <b>A-44</b> | FCAE - Lower Level | Atay, Zehra          | Scaplen, Kristin       | Characterizing Serotonin Levels in the Brain of the Drosophila Serotonin Transporter Mutant (dSERT)                                                            |
| A       | 45    | <b>A-45</b> | FCAE - Lower Level | Bridges, Campbell    | Snodgrass-Belt, Pamela | Studying the Relationship Between Cellular Respiration and Mutated Clock Gene Expression Patterns                                                              |
| A       | 46    | <b>A-46</b> | FCAE - Lower Level | Kenfack, Annick      | Stack, Tyler           | Investigating the Substrate Specificity of Azo Bond Reduction in the Human Gut Microbiome                                                                      |
| A       | 47    | <b>A-47</b> | FCAE - Lower Level | McCrillis, Molly     | Stack, Tyler           | Abundant and Ubiquitous Drug- and Dye-modifying Azoreductase Activity in the Human Gut Microbiome                                                              |
| A       | 48    | <b>A-48</b> | FCAE - Lower Level | Caffrey, Emma        | Thibeault, Jane        | Influence of fluctuating salinity on marine bacteria from Mt. Hope Bay                                                                                         |
| A       | 49    | <b>A-49</b> | FCAE - Lower Level | Mark, Taylor         | Thibeault, Jane        | Screening Oxidative Stress Proteins for Hyper Kinetic Stability                                                                                                |
| A       | 50    | <b>A-50</b> | FCAE - Lower Level | Anjoorian, Katherine | Tobiansky, Daniel      | Comparative Characterization of Markers Brain Injury in Woodpeckers and Songbirds                                                                              |
| A       | 51    | <b>A-51</b> | FCAE - Lower Level | Deary, Drew          | Towle-Weicksel, Jamie  | Characteristics of Deleted Loop Regions in zPol $\theta$ to Confirm Critical Functional Homology between zPol $\theta$ and hPol $\theta$                       |
| A       | 52    | <b>A-52</b> | FCAE - Lower Level | York, Chris          | Wang, Fang             | Building a Library of Platinum Anticancer Agents to Overcome Chemoresistance                                                                                   |
| A       | 53    | <b>A-53</b> | FCAE - Lower Level | Svantesson, Sophie   | Waters, Jane           | Myror of Öland: Natural history and environmental biology of ants from Sweden to New England                                                                   |
| A       | 54    | <b>A-54</b> | FCAE - Lower Level | DeBoer, Kate         | Wen, Xuerong           | Association Between Sodium-Glucose Cotransporter-2 Inhibitor Use and Gout Prevalence Among U.S. Adults with Diabetes: A Population-Based Cross-Sectional Study |
| A       | 55    | <b>A-55</b> | FCAE - Lower Level | Barboza, Jenna       | Wise, Jillian          | Benchmarking Computational Deconvolution Methods for Rare Cell Detection                                                                                       |
| A       | 56    | <b>A-56</b> | FCAE - Lower Level | Callahan, Alex       | Yajima, Mamiko         | Investigating the Role of STIM1 in Sea Urchin Embryonic Development                                                                                            |
| A       | 57    | <b>A-57</b> | Avedisian          | Chim, Peter          | Abdelatti, Marwan      | Essential Tremors                                                                                                                                              |

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| A       | 58    | <b>A-58</b> | Avedisian | Willard, Elizabeth | shen, Chi            | Developing Physics-Informed Machine Learning Models to Identify Microplastic Chemistry from Optical Microscopy                                                 |
| A       | 59    | <b>A-59</b> | Avedisian | Boucher, Samuel    | Cho, Yae In          | Synthesis and Metal Complexation of Schiff Base Ligand Library for G-Quadruplex Binding Studies                                                                |
| A       | 60    | <b>A-60</b> | Avedisian | Eldridge, Teagan   | Cho, Yae In          | Biochemical Protein Workflow for Future Combinatorial Biosynthesis of Novel Siderophores                                                                       |
| A       | 61    | <b>A-61</b> | Avedisian | Kerber, Anela      | Dailey, Dr. Kaitlin  | Reproducible Fluorescent Labeling of Clostridium novyi-NonToxic Spores with Preserved Spore Viability                                                          |
| A       | 62    | <b>A-62</b> | Avedisian | Porricelli, Emma   | Alker, Amanda        | Optimizing CRISPR Associated Transposons (CASTS) to limit virulence of Vibrio pathogens within aquaculture and human microbiomes.                              |
| A       | 63    | <b>A-63</b> | Avedisian | Howard, Maryam     | Kiesewetter, Matthew | Amidated Tung Oil for Sustainable Wood Coatings                                                                                                                |
| A       | 64    | <b>A-64</b> | Avedisian | Gira, Earth        | Lavoie, Thomas       | Evaluating the Antimicrobial Activity of Durlobactam Against Carbapenem-resistant Enterobacterales                                                             |
| A       | 65    | <b>A-65</b> | Avedisian | Tomosieski, Luke   | Ma, Jian             | Mechanism of O6-Methylguanine Oxidative Demethylation by FTO-Mediated Repair and its Implications for Disease                                                  |
| A       | 66    | <b>A-66</b> | Avedisian | Jorge, Reynaldo    | McEachern, Emily     | Investigation of Possible Synthetic Pathways of Boron-Based Metal Catalysts                                                                                    |
| A       | 67    | <b>A-67</b> | Avedisian | Pereira, Thalyta   | Meschwitz, Susan     | Targeting Quiescent and E. coli for Preventing Recurrent Urinary Tract Infections                                                                              |
| A       | 68    | <b>A-68</b> | Avedisian | Winters, Chloe     | Meschwitz, Susan     | Synthesis of Peptides to Combat Quiescent E. coli for the Prevention of Recurrent Urinary Tract Infections                                                     |
| A       | 69    | <b>A-69</b> | Avedisian | Lilly, Ash         | Miller, Bailey       | Medicines From The Sea: Antimicrobial Potential of a Rhode Island Shipworm Symbiont                                                                            |
| A       | 70    | <b>A-70</b> | Avedisian | kabat, isabella    | Munge, Bernard       | Nanostructured Immunosensor Array based on Poly-Horseradish peroxidase (HRP) for Rapid Simultaneous Electrochemical detection of Cancer biomarker Proteins     |
| A       | 71    | <b>A-71</b> | Avedisian | Carbuccia, Amelia  | Murdoch, Caitlin     | Investigating the Role of Intracellular Zinc Mobilization on Neurogenesis                                                                                      |
| A       | 72    | <b>A-72</b> | Avedisian | DiBiase, Sunshine  | Patterson, Larissa   | Spot the Difference: Temperature-Sensitive Melanophore Phenotypes in Adult oberon Mutant Zebrafish                                                             |
| A       | 73    | <b>A-73</b> | Avedisian | Lindo, Ashley      | Philbrook, Alison    | Investigating molecular mechanisms of cilia regrowth in C. elegans                                                                                             |
| A       | 74    | <b>A-74</b> | Avedisian | Hally, Veronica    | Pickett, C.J         | Effects of Inflammatory Challenge on HA-1 and HA-2 Innate Immune Cell Development in Ciona intestinalis                                                        |
| A       | 75    | <b>A-75</b> | Avedisian | masoka, claudine   | Price, Kathryn       | Childhood Trauma as a Moderator of the Relationship Between Ethnic Identity and Perceived Everyday Discrimination in Adults with PTSD and Alcohol Use Disorder |
| A       | 76    | <b>A-76</b> | Avedisian | Rohr, Madison      | Post, Ryan           | Medial prefrontal cortex ensembles bias action selection during motivational conflict                                                                          |

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| A       | 77    | A-77      | Avedisian    | Botelho, Lily        | Post, Ryan             | Hypothalamic hunger neurons drive food consumption in the presence of visual and olfactory threat                                                                          |
| A       | 78    | A-78      | Avedisian    | Brierley, Leah       | Ramsay, Jason          | Comparative morphology and mechanics of the coracomandibularis muscle, and its effects on jaw opening                                                                      |
| A       | 79    | A-79      | Avedisian    | Johnson, Nikolai     | Ramsay, Jason          | The complexly divided jaw muscles of cartilaginous fishes lift mechanical constraints associated with large joint angle changes.                                           |
| A       | 80    | A-80      | Avedisian    | Adediran, Aleemat    | Remy, Kate             | Investigating the role of uropathogenic Escherichia coli hemolysin genes in quiescence                                                                                     |
| A       | 81    | A-81      | Avedisian    | Aquino, Lisbeth      | Rosenthal, Samantha R. | Student Status Moderates the Association Between Employment Status and Annual Healthcare Checkups Among Young Adults                                                       |
| A       | 82    | A-82      | Avedisian    | Liz Villa, Miriam    | Rosenthal, Samantha    | Joint Associations of Psychosocial Resources with Mental Health Outcomes in Young Adults                                                                                   |
| A       | 83    | A-83      | Avedisian    | Hoffman, Vivian      | Schrader, Joseph       | Contributions of Extracellular Traps to Vascular Pathologies in CAA Model rTg-DI                                                                                           |
| A       | 84    | A-84      | Avedisian    | Van Nostrand, Waela  | Shih, Ting-Yu          | Self-Amplifying RNA for Cerebral Amyloid Angiopathy Treatment                                                                                                              |
| A       | 85    | A-85      | Avedisian    | Ranz Regalado, Ervin | Stegagno, Paolo        | Virtual Reality Environment for Experimental Drone-Human Robot Interaction                                                                                                 |
| A       | 86    | A-86      | Avedisian    | Gutierrez, Zorayda   | Varghese, Merina       | Characterizing Microglial Distribution Around Tau Pathology in Alzheimer's Disease                                                                                         |
| B       | 1     | B-1       | FCAE - Toray | Huffman, Lukas       | Akosman, Ahmet         | Terahertz Spectroscopic Investigation of Biodegradable Microplastic Contaminated Liquids                                                                                   |
| B       | 2     | B-2       | FCAE - Toray | Hepworth, Sienna     | D'Angelo, Alessandra   | Validating Methods for Assessing Microplastic Ingestion in Arctic Zooplankton                                                                                              |
| B       | 3     | B-3       | FCAE - Toray | Ruddy, Corinne       | Davis, Sarah           | Microplastics in Narragansett Bay food webs: variation across trophic positions as observed in ribbed mussels (Geukensia demissa) and bufflehead ducks (Bucephala albeola) |
| B       | 4     | B-4       | FCAE - Toray | Fernandes, Nathan    | Espinosa, Avelina      | Development of an Electrochemical Genosensor for the Detection of Pseudo-nitzschia delicatissima                                                                           |
| B       | 5     | B-5       | FCAE - Toray | Anderson, Kéa        | Diamond, Emily         | Public Perceptions of Microplastic Pollution in Narragansett Bay: Everyday Relevance, Information Sources, and Consumer Behavior                                           |
| B       | 6     | B-6       | FCAE - Toray | Szenda, Logan        | Jeznach, Lillian       | Anthropogenic and Environmental Factors Influencing Microplastic Concentrations in Rhode Island Rivers                                                                     |
| B       | 7     | B-7       | FCAE - Toray | Lesiak, Ava          | Maia, Anabela          | Beaches in your Backyard - Mapping our Coastal Communities' Flooding                                                                                                       |
| B       | 8     | B-8       | FCAE - Toray | Sotomayor, Melany    | Maia, Anabela          | Investigating Microplastics in Scup from Narragansett Bay                                                                                                                  |
| B       | 9     | B-9       | FCAE - Toray | Perez, Sandra        | Lin, Yang              | AI-Driven Spectroscopy of Microplastic Aging: A Standardized Pipeline                                                                                                      |

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| B       | 10    | <b>B-10</b> | FCAE - Toray | Sullivan, Matthew        | Markert, Jeffrey        | Evaluating the Detection of Allelic Variation in Atlantic Killifish with Environmental DNA                                                        |
| B       | 11    | <b>B-11</b> | FCAE - Toray | Victoria Ortiz, Victoria | Mannino, Abrielle       | Mapping Sea Level Induced Inundation of At Risk Health Care Facilities in Vanuatu Using Geospatial Analysis and Digital Surface Modelling         |
| B       | 12    | <b>B-12</b> | FCAE - Toray | da Silva, Alexander      | Narvaez Diaz, Carla     | Microplastic contamination in Rhode Island coastal waters and flounders <i>Paralichthys dentatus</i> and <i>Pseudopleuronectes americanus</i>     |
| B       | 13    | <b>B-13</b> | FCAE - Toray | Rosario, Susan           | Narvaez Diaz, Carla     | <i>Arbacia punctulata</i> immunological response to thermal stress                                                                                |
| B       | 14    | <b>B-14</b> | FCAE - Toray | Lin, Ellie               | West-Puckett, Stephanie | North Woods Field Guide: Illustrating Ecology Through Deep Mapping                                                                                |
| B       | 15    | <b>B-15</b> | FCAE - Toray | Houle, Emily             | O'Neill, Daniel         | Many Hands                                                                                                                                        |
| B       | 16    | <b>B-16</b> | FCAE - Toray | Bautista Dygert, Grace   | O'Neill, Dan            | Return to the Universe                                                                                                                            |
| B       | 17    | <b>B-17</b> | FCAE - Toray | Guilmette, Bradyn        | O'Neill, Dan            | Cartwheel                                                                                                                                         |
| B       | 18    | <b>B-18</b> | FCAE - Toray | Porter, Avery            | O'Neill, Dan            | Hidden Perspectives                                                                                                                               |
| B       | 19    | <b>B-19</b> | FCAE - Toray | Walsh, Zoe               | O'Neill, Daniel         | The Resilience of Fiber Art Through Human Evolution                                                                                               |
| B       | 20    | <b>B-20</b> | FCAE - Toray | Falcon, Christian        | O'Shea, Stephen         | Metals Meeting Microplastics - A Fatal Attraction                                                                                                 |
| B       | 21    | <b>B-21</b> | FCAE - Toray | Riley, Kayla             | O'Shea, Stephen         | Influence of Sediment Adhesion and Surface Weathering on the Spectroscopic Characterization of Microplastics                                      |
| B       | 22    | <b>B-22</b> | FCAE - Toray | Saunders, Lilah          | Peck, Erin              | Changes in Rhode Island Salt Marsh accretion rates and organic matter contents relative to sea level rise over a forty year period                |
| B       | 23    | <b>B-23</b> | FCAE - Toray | Narvaez, Korryn          | Oyanedel-Craver, Vinka  | Characterizing Particles Emitted During Stages of a Plastic Paver Recycling Process                                                               |
| B       | 24    | <b>B-24</b> | FCAE - Toray | Zhang, Tianyu            | Oyanedel-Craver, Vinka  | Recycle HDPE Plastic Paver Design                                                                                                                 |
| B       | 25    | <b>B-25</b> | FCAE - Toray | Heller, Grace            | Oyanedel-Craver, Vinka  | Standardizing Small-Scale PLA Bioplastic Composting                                                                                               |
| B       | 26    | <b>B-26</b> | FCAE - Toray | Kuester-Ha, Ellis        | Ryneerson, Tatiana      | Using metabarcoding to build planktonic foodwebs on the Northeast Shelf                                                                           |
| B       | 27    | <b>B-27</b> | FCAE - Toray | Perry, Charlie           | Selby, John             | Growth Response of Newly Described Suspected DDA Involving <i>Leptocylindrus hargravesii</i> to Light, Temperature, and Added Nitrogen Conditions |
| B       | 28    | <b>B-28</b> | FCAE - Toray | Frey, Gillian            | Sharp, Koty             | Investigation of the Probiotic Potential of <i>Pseudoalteromonas rubra</i> in Aquaculture: Copepod Systems                                        |

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| B       | 29    | <b>B-29</b> | FCAE - Toray       | McCann, Meghan       | Stilwell, Geoff        | Desiccation Sensitivity in Mutated sod1 D. melanogaster is Driven by Dysregulated Fatty Acid Metabolism                                 |
| B       | 30    | <b>B-30</b> | FCAE - Toray       | Baldwin, Grace       | Taylor, David          | Spatial and temporal patterns in elasmobranch abundance around Block Island, RI                                                         |
| B       | 31    | <b>B-31</b> | FCAE - Lower Level | Olson, Whitley       | Andreu, Irene          | Role of Secondary Microplastics Formation on S. epidermidis Viability and Growth                                                        |
| B       | 32    | <b>B-32</b> | FCAE - Lower Level | Marchetti, Ethan     | Andreu, Irene          | Low-Power Valves for Robotic Planetary Exploration                                                                                      |
| B       | 33    | <b>B-33</b> | FCAE - Lower Level | Duong, Franny        | Andreu, Irene          | Synthesis and Characterization of Magnetic Nanoparticles for Utilization in Hydrogels                                                   |
| B       | 34    | <b>B-34</b> | FCAE - Lower Level | Plante, Aiden        | Banker, Roxanne        | Diversity of Southern New England's Rocky Intertidal Zone                                                                               |
| B       | 35    | <b>B-35</b> | FCAE - Lower Level | Schneider, Cael      | Bonoan, Rachael        | How far can city bees travel for food?                                                                                                  |
| B       | 36    | <b>B-36</b> | FCAE - Lower Level | Hague, Morgan        | Carnevale, David       | Synthesis Analysis of Sm based Magnetic Nanoparticles                                                                                   |
| B       | 37    | <b>B-37</b> | FCAE - Lower Level | Harrington, Shelagh  | Ford, Emily            | Tetrahymena pyriformis Does Not Exhibit Dose Response to Combinations of Common Heavy Metal Pollutants                                  |
| B       | 38    | <b>B-38</b> | FCAE - Lower Level | Rizzo, Rocio         | Ford, Emily            | Temperature Stress Alters Heavy Metal Response in Tetrahymena pyriformis                                                                |
| B       | 39    | <b>B-39</b> | FCAE - Lower Level | Cararini, Brynn      | Geana, Andra           | Predicting the impact of early and midlife lifestyle factors on dementia risk using retrospective study and machine learning approaches |
| B       | 40    | <b>B-40</b> | FCAE - Lower Level | Marn, Allison        | Marn, Allison          | Terahertz Fourier Ptychographic Imaging for Biomedical Samples                                                                          |
| B       | 41    | <b>B-41</b> | FCAE - Lower Level | Frieswick, Amanda    | Jimenez, Yordano       | CritterBender: multi-axial tool for comparative biometrics and physiology                                                               |
| B       | 42    | <b>B-42</b> | FCAE - Lower Level | Donnelly, Ryan       | Kausch, Albert         | Analysis of Parameters for Improved Morphogenic-Regulator-Meditated-Transformation Using Immature Embryo Explants in Sorghum bicolor    |
| B       | 43    | <b>B-43</b> | FCAE - Lower Level | Butler, Cyrus        | Scaplen, Kristin       | The Effects of Chronic Stress on Alcohol Tolerance in Drosophila                                                                        |
| B       | 44    | <b>B-44</b> | FCAE - Lower Level | Ritchotte, Grace     | Scaplen, Kristin       | I See Dead Flies: Effects of Chronic Stress in Drinking in Drosophila                                                                   |
| B       | 45    | <b>B-45</b> | FCAE - Lower Level | Bridges, Campbell    | Snodgrass-Belt, Pamela | Wheel-Running as a Window into the PTEN-KO Neurological Clock                                                                           |
| B       | 46    | <b>B-46</b> | FCAE - Lower Level | Krizan, Zoe          | Stack, Tyler           | Screening Azobenzene Derivatives to Determine Effects of Electronics on Azoreductase Mechanism                                          |
| B       | 47    | <b>B-47</b> | FCAE - Lower Level | Yacovelli, Gabriella | Tighe, Dr. Caitlan     | How is savoring related to multidimensional sleep health and does the correlation differ among varying ages?                            |

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| B       | 48    | <b>B-48</b> | FCAE - Lower Level | Fleming, Maggie         | Thibeault, Jane       | Comparison of the Kinetic Stability and Structure of Superoxide Dismutase Variants                                                                                           |
| B       | 49    | <b>B-49</b> | FCAE - Lower Level | Marshall, Mackenzie     | Thibeault, Jane       | Building LC/MS Workflows for Protein Stability Measurements                                                                                                                  |
| B       | 50    | <b>B-50</b> | FCAE - Lower Level | Bowling, Gian Patrice   | Towle-Weicksel, Jamie | Breast Cancer-Derived POLQ Variant E2370K Bypasses DNA Damage Induced by Chemotherapeutics                                                                                   |
| B       | 51    | <b>B-51</b> | FCAE - Lower Level | Parker, Isabella        | Towle-Weicksel, Jamie | Generation of Y239C Full-Length DNA Polymerase Theta to Understand Possible Linkages to Melanoma Cancer Development                                                          |
| B       | 52    | <b>B-52</b> | FCAE - Lower Level | Juarez, Astrid          | Vila Bolano, Camila   | A Role for FA Proteins in Reproductive Aging and Serotonin-Dependent Egg Laying in <i>C. elegans</i>                                                                         |
| B       | 53    | <b>B-53</b> | FCAE - Lower Level | Yusuf, Hafizan          | Wen, Xuerong          | Association of Glucagon-Like Peptide-1 Receptor Agonists Use with Psychological Outcomes among Type 2 Diabetes Patients: A Target Trial Emulation                            |
| B       | 54    | <b>B-54</b> | FCAE - Lower Level | Otoo, Marianne          | Wen, Xuerong          | Early-Life Antibiotic Exposure and Risk of Neurodevelopmental Disorders: A Systematic Review and Meta-Analysis                                                               |
| B       | 55    | <b>B-55</b> | FCAE - Lower Level | Perry, Mason            | Wise, Jillian         | Benchmarking Deconvolution Tools: BisqueRNA, CIBERSORT, CIBERSORTx, and DeconRNASeq to Identify the Optimal Predictor of Circulating Tumor Cells in Medulloblastoma Patients |
| B       | 56    | <b>B-56</b> | FCAE - Lower Level | Viri, Kenia             | Wise, Jillian         | Development of Gene Signature Matrices for Deconvolution of Heterogeneous Cell Populations                                                                                   |
| B       | 57    | <b>B-57</b> | Avedisian          | Taylor, Joshua          | Abodun, Raodatullah   | In Solution Characterization of Biomolecular Corona Formation on DNA-SWCNTs                                                                                                  |
| B       | 58    | <b>B-58</b> | Avedisian          | Muscianisi, Fabio       | Bleick, Callan        | Isolated Bacteriophages from the University of Rhode Island Demonstrate Antibacterial Activity Against Multidrug-Resistant <i>Staphylococcus aureus</i>                      |
| B       | 59    | <b>B-59</b> | Avedisian          | Hatch, Genevieve        | Cho, Yae In           | Synthesis and Characterization of Aldehyde-Variant Salen/Salphen Ligands for G-Quadruplex-Targeting Metal Complexes with Potential Anticancer Applications                   |
| B       | 60    | <b>B-60</b> | Avedisian          | Mason, Meredith         | Cho, Yae In           | Building the Foundation for Combinatorial Biosynthesis of Novel Catecholate Siderophores with Bioremediation Potential                                                       |
| B       | 61    | <b>B-61</b> | Avedisian          | Starace, Maddie         | Dailey, Kaitlin       | Staining of <i>Clostridium novyi</i> -NonToxic Spores to Indicate Surface Composition and In Vivo Tracking Longevity                                                         |
| B       | 62    | <b>B-62</b> | Avedisian          | Way, Amanda             | Dailey, Kaitlin       | Optimizing Calcium Competency Conditions for Plasmid Uptake in <i>Clostridium novyi</i> -NT                                                                                  |
| B       | 63    | <b>B-63</b> | Avedisian          | Jegade, Temidayo        | Fallini, Claudia      | Investigating the Effects of TDP-43 and SYNE1 Knockdown on Nuclear Homeostasis in ALS                                                                                        |
| B       | 64    | <b>B-64</b> | Avedisian          | Santiago, Michaelangelo | Liu, Pengyu           | Quantum Mechanical Analysis of The Thermodynamic Stability of Secondary RNA Structure                                                                                        |
| B       | 65    | <b>B-65</b> | Avedisian          | Moeda, Mariana          | Manuel, Marin         | Optimizing fictive locomotion conditions for the study of locomotor spinal networks                                                                                          |
| B       | 66    | <b>B-66</b> | Avedisian          | Le, Khanh               | Rowley, David         | Investigating Antibacterial Secondary Metabolites Produced By <i>Streptomyces</i> Strains Through OSMAC                                                                      |

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| B       | 67    | <b>B-67</b> | Avedisian | Torres, Emma                | Meschwitz, Susan    | HPLC Purification of Synthesized Peptides for Investigation of Quiescent Uropathogenic E. Coli                                                                             |
| B       | 68    | <b>B-68</b> | Avedisian | Jun, Michelle               | Onacea, Elena       | The Human Epidermal Melanocyte non-visual opsin 5 (OPN5) is activated by physiological doses of solar UVA and leads to Ca <sup>2+</sup> -mediated increase in melanin      |
| B       | 69    | <b>B-69</b> | Avedisian | Kenelak, Fandra             | Miller, Bailey      | HPLC-Guided Isolation of a Natural Product from a Rhode Island Marine Shipworm.                                                                                            |
| B       | 70    | <b>B-70</b> | Avedisian | Doliscar, Gloria            | Munge, Bernard      | Nanostructured Bio- barcode Immunosensor based on Ferrocene and Copper ions Polymer bead bioconjugate for Multiplex Electrochemical Detection of Cancer biomarker proteins |
| B       | 71    | <b>B-71</b> | Avedisian | MacLennan, Skyelar          | Murdoch, Caitlin    | Identification of Novel Microbial Factors that Regulate Vertebrate Metal Sensing                                                                                           |
| B       | 72    | <b>B-72</b> | Avedisian | Dion, Benjamin              | Patterson, Larissa  | Making Mutants: CRISPR Knockouts to Test the Specificity of Temperature-Sensitive Pigmentation in Zebrafish                                                                |
| B       | 73    | <b>B-73</b> | Avedisian | Prata, Jacquelyn            | Patterson, Larissa  | Detecting early larval phenotypes of temperature-sensitive oberon mutants                                                                                                  |
| B       | 74    | <b>B-74</b> | Avedisian | Diluro, Lana                | Pickett, C. J.      | Comparing HA-3, HA-4, and HA-5 Cell Development During Inflammatory Challenge in Ciona intestinalis                                                                        |
| B       | 75    | <b>B-75</b> | Avedisian | Tenaglia, Angela            | Pickett, C.J.       | Investigating the Effects of Early Inflammatory Signals on Innate Immune Cell Lineage Specification in Ciona intestinalis                                                  |
| B       | 76    | <b>B-76</b> | Avedisian | Ashley, Alonie              | Post, Ryan          | Exploring hypothalamic hunger circuits capable of suppressing competing needs                                                                                              |
| B       | 77    | <b>B-77</b> | Avedisian | Theodorou, Christopher      | Post, Ryan          | Medial prefrontal cortical ensemble activation alters behavior in presence of competing motivations                                                                        |
| B       | 78    | <b>B-78</b> | Avedisian | Del Vicairo, Marie          | Ramsay, Jason       | Comparative Analysis of Hyoid Depression Mechanics in High-powered Suction, and Low- powered Suction-bite Feeding Sharks                                                   |
| B       | 79    | <b>B-79</b> | Avedisian | Akdemir, Fatma              | Ramsay, Jason       | Habitat-Associated Differences in Relative Neural Investment Between Two Coastal Shark Species: A Preliminary Comparative Neuroanatomical Study                            |
| B       | 80    | <b>B-80</b> | Avedisian | Samayoa, Shayla             | Quinlan, Katharina  | Retrograde Motor Neuron Labeling in the Rabbit Model of Cerebral Palsy                                                                                                     |
| B       | 81    | <b>B-81</b> | Avedisian | Quinteros, Victoria         | Reshetnyak, Yana    | Targeting Acidic Environments with e-pHLIP                                                                                                                                 |
| B       | 82    | <b>B-82</b> | Avedisian | Bruno, Samantha             | Rosenthal, Samantha | Occupational Participation After Brain Injury In Young Adults                                                                                                              |
| B       | 83    | <b>B-83</b> | Avedisian | Thrasher-Kinsella, Isabella | Simione, Meg        | Barriers and Facilitators to Family-Centered Care Across Pediatric Feeding Disorder Practice Settings                                                                      |
| B       | 84    | <b>B-84</b> | Avedisian | Bouchard, Kaylee            | Shih, Ting-Yu       | Development of Alginate Cryogels for Delivery of Immuno-Modulatory Proteins                                                                                                |
| B       | 85    | <b>B-85</b> | Avedisian | Guliye, Halima              | Slitt, Angela       | Evaluation of PFAS redistribution in serum and tissue following cholestyramine intervention                                                                                |

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| B       | 86    | <b>B-86</b> | Avedisian | Enos, Zoe          | Van Nostrand, William | Investigation of Potential Detrimental Effects of Administration of Anti-A $\beta$ Monoclonal Antibody in a Transgenic Rat Model of Cerebral Amyloid Angiopathy |