

## 2023 GMGI Science Forum - Schedule of Events

| TIME        | SPEAKER  | ORGANIZATION  | TITLE  |
|-------------|--|---|--|
| 8:30        | <i>DOORS OPEN</i>  |   | <i>COFFEE AND PASTRIES SERVED</i>  |
| 9:00        | <b>Andrea Bodnar</b><br><i>Donald G. Comb Science<br/>Director</i>   | Gloucester Marine<br>Genomics Institute                       | <i>Welcome Address and GMGI Update</i>   |
| 9:30        | <b>Makoto Saito</b><br><i>Senior Scientist</i>   | Woods Hole<br>Oceanographic Institution                       | <i>Exploring metal uses within marine organisms<br/>using advanced proteomic techniques</i>                          |
| 10:00       | <b>Katie Lotterhos</b><br><i>Associate Professor</i>   | Northeastern University                                       | <i>Promises and pitfalls of genomic forecasting</i>  |
| 10:30       | <i>COFFEE BREAK</i>  |   |  |
| 11:00       | <b>Emma Strand</b><br><i>Postdoctoral<br/>Research Scientist</i>   | Gloucester Marine<br>Genomics Institute                       | <i>Genomic and physiological drivers of<br/>thermal tolerance in marine invertebrates</i>                            |
| 11:30       | <b>Kim Parsons</b><br><i>Research Biologist</i>  | NOAA Northwest<br>Fisheries Science Center                    | <i>Genomic technologies to support the<br/>management &amp; conservation of cetaceans<br/>large and small</i>        |
| 12p to 1:30 | <i>CATERED LUNCH</i>   |   |  |
| 1:30        | <b>Shelly Wanamaker</b><br><i>Research Scientist</i>   | Gloucester Marine<br>Genomics Institute                       | <i>Rapid CRISPR-based diagnostics for detecting<br/>marine genomic signatures in animals and the<br/>environment</i> |
| 2:00        | <b>Michael Schmale</b><br><i>Professor</i>   | University of Miami   | <i>Damselfish Neurofibromatosis: An animal<br/>model of the role of mitochondria in cancer</i>                       |
| 2:30        | <b>Brandon Weissbourd</b><br><i>Assistant Professor</i>  | Massachusetts Institute of<br>Technology                      | <i>A genetically tractable jellyfish model for<br/>systems and evolutionary neuroscience</i>                         |
| 3:00        | <i>COFFEE BREAK</i>  |   |  |
| 3:30        | <b>Matthew Harris</b><br><i>Associate Professor of<br/>Genetics</i>  | Boston's Children's<br>Hospital and Harvard<br>Medical School | <i>Mother Carey's Children - leveraging<br/>genomics and oceanic diversity for discovery</i>                         |
| 4:00        | <b>Jeff Moffitt</b><br><i>Assistant Professor</i>  | Boston's Children's<br>Hospital and Harvard<br>Medical School | <i>Mapping the building blocks of tissues with<br/>genomic microscopy</i>  |
| 4:30        | <i>BREAK</i>   |   |  |
| 5:00        | <b>KEYNOTE ADDRESS:</b><br><br><b>Feng Zhang</b><br>Investigator, Howard Hughes Medical Institute<br>Core Member, Broad Institute of MIT and Harvard<br>Investigator, McGovern Institute for Brain Research, MIT<br>James and Patricia Poitras Professor in Neuroscience, MIT<br>Departments of Brain and Cognitive Sciences and Biological Engineering, MIT<br><br><i>Exploration of Biological Diversity</i> |   |  |
| 6:00        | <i>COCKTAIL RECEPTION</i>  |   |  |