

## 2025 Florida Coastal Everglades LTER All Scientists Meeting

### Poster Session

May 1, 2025 5:00-7:30pm  
Fairchild Tropical Botanic Garden

| Poster #  | Title                                                                                                                         | Authors                                                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b>  | Microbial ecology of mangroves: A metacommunity perspective                                                                   | <b>Jenny Marie R. Patalinghug</b> and Nathan I. Wisnoski                                                                                        |
| <b>2</b>  | Linking sulfate addition, methanogenesis, and freshwater restoration in coastal wetlands                                      | <b>Ji-Yeon Cha</b> , Jun Zhao, and Willm Martens-Habben                                                                                         |
| <b>3</b>  | Microbial specialization in dauciform roots of <i>Cladium jamaicense</i> : Evidence of anaerobic and metabolic specialization | <b>Kevin Montiel</b> , John Kominoski, Anna Simonsen                                                                                            |
| <b>4</b>  | Assessment of PFAS contamination and coliform bacteria presence in Biscayne Bay canals                                        | <b>Gary A. Yoham</b> , Courtney Heath, Nicolas J. Oehm, and Natalia Soares Quinete                                                              |
| <b>5</b>  | Physical mechanisms of precipitation in Florida                                                                               | <b>Rigoberto Olivera</b> and Robert Burgman                                                                                                     |
| <b>6</b>  | Restoration and climate impacts on carbon fluxes in freshwater Everglades marshes                                             | <b>David Yannick</b> , Steven F. Oberbauer, Christina L. Staudhammer, and Gregory Starr                                                         |
| <b>7</b>  | Aquatic carbon fluxes from a marsh ecosystem within the Florida Everglades                                                    | <b>Lauren DeVito</b> and Tiffany Troxler                                                                                                        |
| <b>8</b>  | Paths of change: Community trajectory analysis of Everglades fish communities                                                 | <b>James Sturges</b> , Ryan James, Sophia Costa, Andy Distrubell, Mack White, Rolando Santos, and Jennifer Rehage                               |
| <b>9</b>  | Interactive effects of fish predators and nutrient enrichment on aquatic insect emergence                                     | <b>Alan J. Mock</b> , J.C. Trexler, P.M. Kleindl, M. Fernandez, E.E. Gaiser, and N.J. Dorn                                                      |
| <b>10</b> | Balancing the budget: metabolic drivers modulate the foraging and activity patterns of a coastal mesopredator                 | <b>Mack White</b> , W. Ryan James, Justin S. Lesser, Ryan J. Rezek, Jonathan R. Rodemann, Ross E. Boucek, Rolando O. Santos, Jennifer S. Rehage |

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|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>11</b> | Gone but not forgotten: Collaborative telemetry network provides insight into out-of-system movements of Common Snook ( <i>Centropomus undecimalis</i> ) | <b>Victoria S. Goldner</b> , M. White, C. Eggenberger, A. A. Jones, C. C. Atkinson, J. R. Rodemann, W. R. James, J. A. Massie, A. M. Kroetz, P. M. O'Donnell, R. E. Boucek, R. O. Santos, J. S. Rehage |
| <b>12</b> | Quantifying marsh aboveground net primary productivity along shifting freshwater-to-saltwater gradients                                                  | <b>Veronica B. Restrepo</b> , John S. Kominoski, and Jay Sah                                                                                                                                           |
| <b>13</b> | Co-variation of macrophyte and microbial mat standing stocks along wetland resource gradients                                                            | <b>Paige M. Kleindl</b> , Carolina Candelario, and Evelyn E. Gaiser                                                                                                                                    |
| <b>14</b> | Quantifying biomass carbon storage and soil elevation dynamics in mangrove forests of Biscayne National Park                                             | <b>Kevin Montenegro</b> , John S. Kominoski, Edward Castañeda-Moya, Kevin R.T. Whelan, Michelle Prats, Elena Solohin, Roger Bendana, and Caitlin Reisa                                                 |
| <b>15</b> | Quantifying annual and daily litterfall production in riverine and fringe mangrove ecotypes in South Florida, USA                                        | <b>Roger Bendana</b> , John S. Kominoski, Kevin Montenegro, Caitlin Reisa, and Edward Castañeda-Moya                                                                                                   |
| <b>16</b> | Comparing methods of above-ground biomass estimation in coastal mangrove forests of Biscayne National Park (Florida, USA)                                | <b>Joseph Morales</b> , Kevin Montenegro, John S. Kominoski, and Nick Oehm                                                                                                                             |
| <b>17</b> | Pre-restoration mangrove cover change in the Cutler Wetlands and functional trait response                                                               | <b>Rosario Vidales</b>                                                                                                                                                                                 |
| <b>18</b> | Multitemporal geophysical mapping of saltwater intrusion in the southern region of the Everglades National Park                                          | <b>Denise Garcia</b> and Dean Whitman                                                                                                                                                                  |
| <b>19</b> | Resilience of a coastal benthic algal metacommunity to experimental seawater intrusion                                                                   | <b>Tommy Shannon</b> and Evelyn Gaiser                                                                                                                                                                 |