

Title: Improving biogeochemical models through single cell-based analyses of marine plankton physiological plasticity, genetic diversity and evolutionary processes

Tuesday 27th May:

Attendees arrive to Boothbay Harbor and settle into *RockTide Inn*

Dinner on your own

Wednesday 28th May:

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| 0800 | Shuttle Bus outside <i>RockTide Inn</i> |
| 0815 | Light Breakfast/Coffee at Bigelow Laboratory, on the Mezzanine |
| 0900 | Welcome by Bigelow Executive Director, Graham Shimmiel |
| 0915 | Introduction to the Workshop, goals, objectives and products, Mike Lomas |
| 1000 | Plenary #1, Elena Litchman, MSU, <i>Microbial traits and trade-offs: implications for community structure and biogeochemistry</i> |
| 1100 | Coffee Break |
| 1130 | Define breakout session topic #1, specific questions and strategy, Assign breakout groups and meeting rooms |
| 1200 | Lunch in the Commons – catered by <i>Center Cafe</i> |
| 1300 | Head to breakout rooms, Breakout group discussion #1 |
| 1515 | Coffee Break - Mezzanine |
| 1545 | Plenary: Short (~15 min/group) presentation and Q & A session from each breakout group on Breakout Topic #1 |
| 1700 | Social |
| 1800 | Dinner in the Commons – catered by <i>Center Cafe</i> |
| 2000 | Shuttle Bus to <i>RockTide Inn</i> |

Thursday, 29th May

- 0800 Shuttle Bus outside *RockTide Inn*
- 0815 Light Breakfast at Bigelow Laboratory, on the Mezzanine
- 0845 Brief introduction to the day
- 0900 Plenary #2, Dave Hutchins, USC, *Taxon-specific biogeochemistry in a changing marine environment*
- 1000 Coffee Break
- 1015 Define breakout session topic #2 and specific questions, divide into 4 breakout groups and head to assigned rooms
- 1030 Breakout group discussion #2
- 1245 Lunch in the Commons – catered by *East Boothbay General Store*
- 1345 Plenary #3, Tatiana Rynearson, URI, Genetics, evolution, and the impact on biogeochemistry
- 1445 Define breakout session topic #3 and specific questions, divide into 4 breakout groups and assigned rooms
- 1500 Breakout group discussion #3
- 1700 Shuttle Bus to Coastal Maine Botanical Gardens – Dinner catered by *Blue Elephant*
- 2030 Shuttle Bus return to *RockTide Inn*

Friday, 30th May

- 0730/0800 Shuttle Bus outside *RockTide Inn*
- 0815 Light Breakfast at Bigelow Laboratory, on the Mezzanine
- 0845 Brief introduction to the day
- 0900 Plenary: Short (~15 min/group) presentation and Q & A session from each breakout group on Breakout Topic #2
- 1000 Coffee Break

1015 Plenary: Short (~15 min/group) presentation and Q & A session from each breakout group on Breakout Topic #3

1115 Meeting Wrap Up: identification of small working groups to lead efforts to complete workshop products

1200 Meeting Adjourns

Box lunches

Shuttle Bus back to *RockTide Inn* for those not leaving until later

1400 Shuttle Bus from *Bigelow* to *Portland Airport*

Saturday 31st May

1030 Shuttle Bus from *RockTide Inn* to *Portland Airport*