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:

0800 Shuttle Bus outside RockTide Inn

0815 Light Breakfast/Coffee at Bigelow Laboratory, on the Mezzanine

0900 Welcome by Bigelow Executive Director, Graham Shimmield

0915 Introduction to the Workshop, goals, objectives and products, Mike Lomas

1000 Plenary #1, Elena Litchman, MSU, Microbial traits and trade-offs: implications for community structure and biogeochemistry

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 Center Cafe

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 Center Cafe

2000 Shuttle Bus to RockTide Inn
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
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1015</td>
<td>Plenary: Short (~15 min/group) presentation and Q &amp; A session from each breakout group on Breakout Topic #3</td>
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<tr>
<td>1115</td>
<td>Meeting Wrap Up: identification of small working groups to lead efforts to complete workshop products</td>
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<td>1200</td>
<td>Meeting Adjourns</td>
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<td>Box lunches</td>
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<td>Shuttle Bus back to <em>RockTide Inn</em> for those not leaving until later</td>
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<td>1400</td>
<td>Shuttle Bus from <em>Bigelow to Portland Airport</em></td>
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Saturday 31<sup>st</sup> May

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<td>1030</td>
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