Mentors
Van Dover (Duke)
Soule (WHOI)
Fornari (WHOI)
Blackman (SIO)
Bates (Duke)

Co-Chief Scientists
Anne Dekas (Stanford)
Adam Skarke (Mississippi State)
**Participant Demographics (24 of 31 applicants)**

**RANK**
- 6 assistant/associate professors
- 13 post docs
- 5 PhD students

**GENDER**
- 15 female
- 9 male

**GEOGRAPHIC DISTRIBUTION**
- 10 East Coast
- 8 West Coast
- 3 Gulf Coast
- 3 Central

**DISCIPLINES (primary)**
- 11 bio oce
- 4 biogeochem/micro
- 3 chem oce
- 2 marine geology/geochemistry
- 1 phys oce
- 2 paleo
- 1 mar biol

22 institutions
## Program Overview

<table>
<thead>
<tr>
<th>Date</th>
<th>Activities (URI Inner Space Center and R/V Atlantis)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 Jul</td>
<td>Travel Day and evening reception</td>
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<tr>
<td>26-27 Jul</td>
<td>Pre-Cruise Training</td>
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<tr>
<td>28 Jul</td>
<td>Depart WH</td>
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<tr>
<td>29 Jul through 1 Aug</td>
<td>5 Alvin Dives (1 engineering and 1 double-dive day) 4 Sentry Missions  CTD, multicorer, multibeam, gravity core</td>
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<td>2 Aug</td>
<td>WH personnel transfer</td>
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<tr>
<td>3 Aug through 6 Aug</td>
<td>5 Alvin Dives (including 1 double-dive day) 4 Sentry Missions  CTD, multicorer, multibeam, gravity core</td>
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<td>7-8 Aug</td>
<td>Post-Cruise Training</td>
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<td>9 Aug</td>
<td>Travel Day</td>
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</tbody>
</table>
EAGER: Developing At-Sea & Telepresence-Led Deep-Submergence Science Leadership

Seeps, Canyons, Water Column

Legend
- Potential Dive Locations
EAGER: Developing At-Sea & Telepresence-Led Deep-Submergence Science Leadership

ECS Training by Telepresence

HiSeasNet (6x3 Mhz, 2 wks)

***seafloor-to-ship-to-shore***
still images & text
(sea trials)
<table>
<thead>
<tr>
<th>TIME (EDT)</th>
<th>ACTIVITY</th>
<th>PRODUCER</th>
</tr>
</thead>
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<tr>
<td>0900</td>
<td>Sentry download</td>
<td>Carl Kaiser</td>
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<tr>
<td>1030</td>
<td>Chief Scientist Training (live, 30 min)</td>
<td>Tony Williams</td>
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<td>1100</td>
<td>Sentry download</td>
<td>Carl Kaiser</td>
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<tr>
<td>1200</td>
<td>*Curated Content (from Alvin and other video) repeated at 1300, 1500, 1600, 2200; includes news report</td>
<td>Tony Williams, Julian Dale</td>
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<tr>
<td>1300</td>
<td>Mission Planning (live, 60 min)</td>
<td>Tony Williams</td>
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<td>1400</td>
<td>Q&amp;A Session (live)</td>
<td>Mercer Brugler</td>
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<td>Curated Content (from Alvin and other video)</td>
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<td>1700</td>
<td>Alvin Download</td>
<td>Bruce Strickrott</td>
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<tr>
<td>1800</td>
<td>Daily Science Debriefs (live, 30-60 min)</td>
<td>Tony Williams</td>
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<td>Alvin Download</td>
<td>Bruce Strickrott</td>
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<td>2000</td>
<td>Alvin Download</td>
<td>Bruce Strickrott</td>
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<tr>
<td>2100</td>
<td>Deep Stories (live news cast 10 minutes)</td>
<td>Karl Bates</td>
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<tr>
<td>2200</td>
<td>Curated Content (from Alvin and other video)</td>
<td>Tony Williams, Julian Dale</td>
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Pre-Cruise Training Agenda (Day 1)

• NSF/NOAA/ONR Partners
• UNOLS
  • History, purpose, structure
  • DeSSC
  • Intro to Shiptime Request System
• Intro to NDSF
• UNOLS
  • Shiptime Request System II, including foreign clearances
• Science Communication I
• Science Planning (working lunch)
• *Atlantis, Alvin, Sentry* tours
• Enabling telepresence research: situational awareness, team planning, team effort
• Planning sessions and *Alvin* briefings
• Science Meeting
Pre-Cruise Training Agenda (Day 2)

• Data management requirements and delivery
• Distributed leadership (ship and shore shared responsibilities)
• SSSG and telepresence orientation (incl chain of command, comms protocols, MTU)
• Science Communications II: Intro to social media tools and tactics
• Intro to Ship’s Captain and officers
• Intro to Alvin and Sentry personnel
• Science planning
• Plenary discussion, science program
• Science meeting
Pre-Cruise Training Agenda (Day 2)

- Data management requirements and delivery
- Distributed leadership (ship and shore shared responsibilities)
- SSSG and telepresence orientation (incl chain of command, comms protocols, MTU)
- Science Communications II: Intro to social media tools and tactics
- Intro to Ship’s Captain and officers
- Intro to Alvin and Sentry personnel
- Science planning
- Plenary discussion, science program
- Science meeting
At-Sea Training Topics (draft)

• From proposal to post-cruise: Chief Scientist responsibilities
• Proposal strategies
• Leading multi- and interdisciplinary science
• Data Management: Optimizing collaborations and science outcomes
• NSF: Insights from a former NSF program manager
• Team building and effective team communications
• Managing expectations, managing conflict
• Navigation: What ties it all together
• Elevators and other equipment
• Public communications
Public Outreach Partner: American Museum of Natural History (NYC)

concept in development, ECS Mercer Brugler (lead)

• possibly linking to AMNH early career scientist programs (e.g., REU)
• may also include Hall of Ocean Life component
• much TBD; expect to have a plan vetted by mid June
Assessment

Ten Leadership Themes (DRAFT)
Pre/post cruise participant surveys w.r.t.

1. UNOLS Shiptime Request System
2. NSF proposal strategies and process
3. Pre-cruise planning
4. Understanding Alvin, Sentry, Atlantis capabilities
5. Developing best practices in telepresence-enabled science
6. Science communication: video and social media
7. Data management: requirements and delivery
8. Team-building and effective team communications
9. Leading multi- and inter-disciplinary science
10. Roles of a Chief Scientist

Are there DeSSC colleagues who might be interested in assisting with drafting this assessment survey (window of ~13 and 30 June)?