• 10 resident faculty (3 colleges)
• ~30 resident graduate students (>100 UCD grads/yr)
• 100-160 people on site
• environmental sensors/ocean observing

• serving ~70+ marine/coastal scientists from UC Davis
• 30-50 undergrads/yr in-residence (>400 visit)

• > 100,000 assignable sq. ft
• 40 + yrs environmental data

• 10,000 visitors & K-12/yr
• specialized facilities
• research since 1950’s

• Spring/Summer undergraduate curriculum
Unique Location

- In one of only four ocean upwelling regions in the world
- Adjacent to a State Marine Protected Area and two National Marine Sanctuaries
- Located on large, highly utilized UC Natural Reserve
- Only 65 miles from one of the most impacted estuaries in the world

BML Focus:
- Ocean processes in high biodiversity region
- Environmental impacts from human activities
Multidisciplinary Approach to Complex Environmental Issues

BML Resident Faculty & Campus Faculty with BML Lab Space

Ecology & Evolution
Brian Gaylord (BML/EVE)  Jay Stachowicz (EVE)
Steven Morgan (BML/ESP)  Ted Grosholz (ESP)
Eric Sanford (BML/EVE)  Rick Grosberg (EVE)
Don Strong (BML/EVE)  Rick Karban (Entomolgy)
Susan Williams (BML/EVE)  Sharon Strauss (EVE)
                        Laura Rogers-Bennett (BML-CDFW / Vet Med)

Coastal Oceanography
John Largier (BML/ESP)  Ian Faloona (LAWR; campus)
Tessa Hill (BML/EPS)  Ann Russell / Howie Spero (EPS; campus)
Steven Morgan (BML/ESP)

Ocean Health
Gary Cherr (BML/Env Tox & Nut)  Jim Moore (BML-CDFW / Vet Med)
John Largier (BML/ESP)  Esteban Soto (Vet Med)
Steven Morgan (BML/ESP)  Andrew Whitehead (ETOX)

Physiology
Ernie Chang (BML/NPB & Animal Sci)  Andy Bass (Cornell Univ.)
Jim Clegg (BML/MCB; emeritus)  John Wingfield (NPB)
Gary Cherr (BML/Env Tox & Nut)  Nann Fangue (WFCB)
Susan Williams (BML/EVE)  Anne Todgham (Animal Sci)
<table>
<thead>
<tr>
<th>MAJOR RESEARCH THEMES</th>
<th>MAJOR FUNDING SOURCES</th>
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<tbody>
<tr>
<td>Ecology &amp; Evolution</td>
<td><a href="#">NSF</a></td>
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<td>biodiversity, invasive species, adaptation</td>
<td><a href="#">NOAA</a></td>
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<td>Coastal Oceanography</td>
<td><a href="#">CALIFORNIA DEPARTMENT OF FISH &amp; WILDLIFE</a></td>
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<td>upwelling, estuaries &amp; land runoff</td>
<td><a href="#">SONOMA COUNTY WATER AGENCY</a></td>
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<td>Ocean Health</td>
<td><a href="#">DEPARTMENT OF WATER RESOURCES</a></td>
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<td>pollution, disease</td>
<td><a href="#">DELTA SCIENCE PROGRAM</a></td>
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<td>Physiology</td>
<td><a href="#">DELTA STEWARDSHIP COUNCIL</a></td>
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<td>environmental stress, reproductive biology</td>
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<td>geographical shifts, ocean acidification</td>
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<td>Conservation</td>
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<td>fisheries, marine protected areas, endangered species</td>
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BML Stands Out Among Marine Laboratories

Examples of Real-World Impacts of BML Research

- Impacts of ocean acidification on marine ecosystems and aquaculture

- Tracking tsunamis, oil spills, sea otter pathogens, and salmon populations

- Impacts of oil spills on fish populations in San Francisco Bay and the Gulf of Mexico, and impacts of hormone disruption in fish in California

- Captive broodstock program for recovery of the critically endangered white abalone

- Invasive species’ impacts on ecosystems

- Graduate student training to translate their science in the local schools