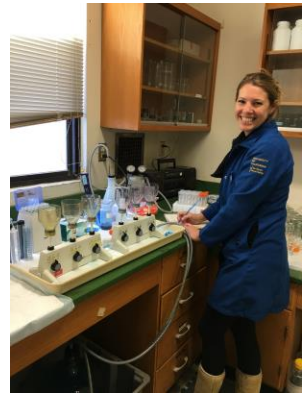


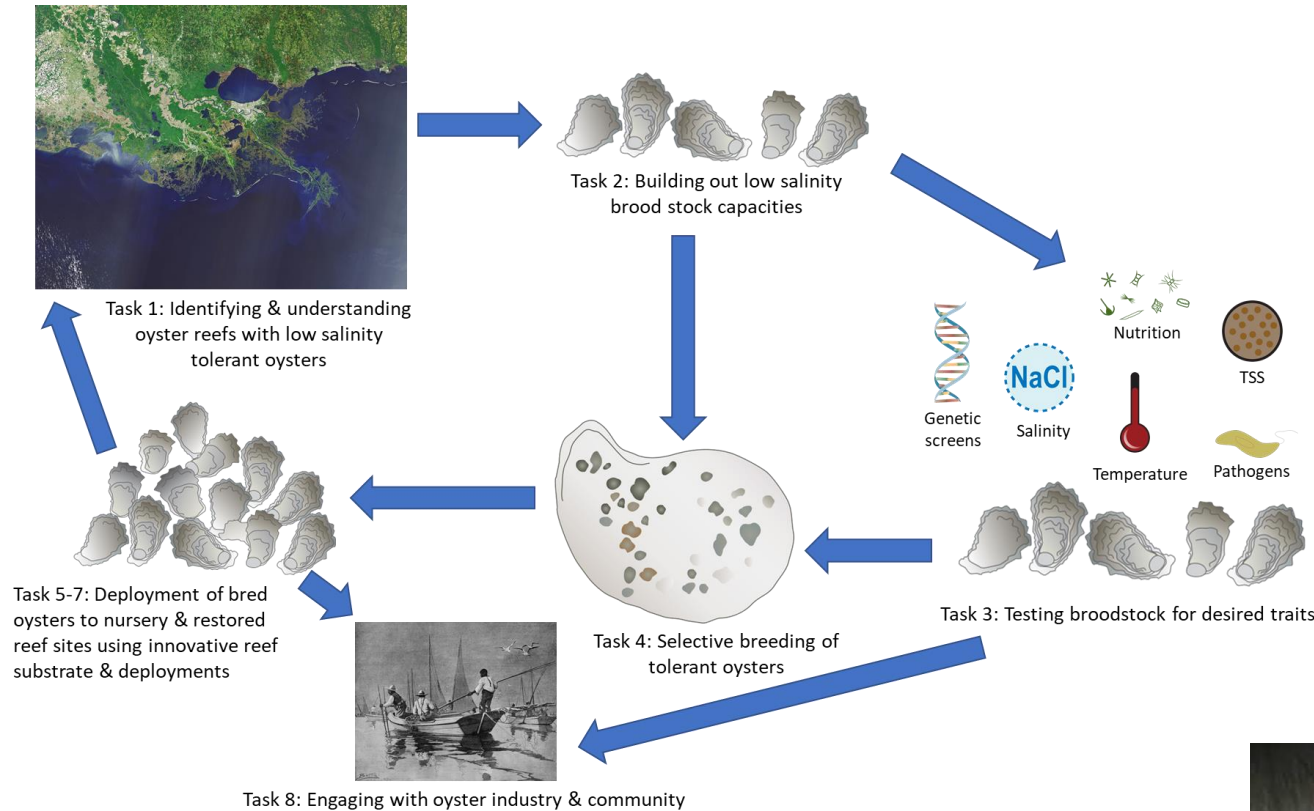
Phytoplankton ecology & coastal biological oceanography



- Research theme: Effects of change on (phyto)plankton communities and impacts on ecosystems, food webs.
- Current projects:
 - Phytoplankton, harmful algal blooms (HABs), and ocean acidification (OA) in Gulf of Mexico ([NOAA OAP](#))
 - CyanoHABs in LA estuaries ([LWRRRI](#)) & Effects on oyster feeding ([Louisiana Sea Grant](#))
 - Nutrient sensing in the GOM ([NOAA IOOS](#))
 - Ecosystem effects of hurricanes ([NSF RCN](#))

Billeaud Hall, Room 120
www.staufferlab.com

LO-SPAT Project



- 5-year, \$25M project funded by LDWF & CPRA (3 year, \$14M contract)
- Overarching objective: learn more about what helps oysters survive low salinity events & apply that to shellfish production
- Collaborative team!



Multidisciplinary themes & ICaWR

- Most of my research is **multidisciplinary**
 - Phytoplankton-oysters (oyster biologists, business school, environmental science, industry)
 - OA-phytoplankton (chemical oceanographers)
 - Hurricane effects (aquatic, terrestrial ecologists)
- Most of the big proposal opportunities out there **require** this approach.
- Needs (that ICaWR might help meet):
 - More opportunities for collaboration with:
 - Social scientists
 - Economists
 - Serve as **hub for collaboration @ UL** (develop proposals, space/facilities, multidisc. student/postdoc support)
 - And not be afraid to **reach outside of UL** to bring in other experts.