## Day 3

- Platforms
- Biological sensors
- Chemical sensors

## Bio (optical) instruments

- Fluorometers
- Transmissometers
- Backscatter sensors
- Absorption meters
- Radiance sensors
- Irradiance sensors
- Fast repetition rate fluorometer (bacteria)
- Molecular probes









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Figure 2. (Above) the UCSB BLOOMS-II mooring package included sensors for determination of optical backscattering, chlorophyll fluorescence, downwelling irradiance (4 wavelengths), and upwelling radiance (4 wavelengths). (Upper right) The WET Labs backscattering and fluorescence sensors incorporated newly designed anti -fouling shutters developed for this project (Lower left). UCSB engineers developed an external shutter module for incorporation with the Satlantic downwelling and upwelling optical sensors.

















