Education
What is Carbon Dating?
Graduate Student Internship
Post-Doctoral Research

NOSAMS Graduate Student Internship Program

Two internships are awarded each year to U.S. based graduate students for research at the NOSAMS radiocarbon facility at the Woods Hole Oceanographic Institution. The internships should involve application of radiocarbon measurements to an important oceanographic research problem and/or development of new techniques for radiocarbon measurement and will provide 2 to 6 weeks at NOSAMS. Available funds will cover all analytical costs (for a modest number of analyses), round-trip travel, accommodation and subsistence while in Woods Hole, but not field work and sampling.

Candidates should submit a two-page proposal outlining the proposed work and motivation and we will begin reviewing submissions starting June 1, 2016. Proposals and 2 page CVs (both as pdf files should be sent to nosamsinternship@whoi.edu along with contact information. Proposals will be judged on the basis of scientific soundness, relevance to capabilities and objectives at NOSAMS, novelty, and scientific impact. Priority will be given to collaborative research with PI's at NOSAMS, and that show promise for follow-on projects. Internships can be used at a mutually agreed time between September 1, 2016 and August 31, 2017.

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Current Interns

2015

Katie Grant (Cornell University) is studying the transfer of soil organic matter to the ocean.

Will Longo (Brown University) is studying the radiocarbon ages of lignin phenols as indicators of arctic terrestrial carbon cycling

Sarah Bercovici (RSMAS, Miami) is coducting a radiocarbon study of deep ocean dissolved polysaccharides.

Past Interns

2014

Ning Zhao (MIT/WHOI joint program) is looking at sea-surface reservoir and bottom water ventilation ages from coeval wood, p foraminifera.

2013

Hadley McIntosh (Virginia Institute of Marine Science) examined the radiocarbon ages of source specific fatty acid biomarkers, associated with particulate organic matter along the Delaware River and Bay estuarine gradient.

Sophie Hines (California Institute of Technology) studied the radiocarbon ages of different organic and inorganic components o better understand the variable radiocarbon blanks in very old (> 150,000 yr) samples.

2012

Nicole Khan (University of Pennsylvania) worked on chronologies of paleo-environmental and relative sea-level change in man radiocarbon AMS analyses of sedimentary mangrove leaf, wood, bark and root fragments.

As part of Elizabeth Williams' study of the transport of terrestrial carbon to the marine environment, Elizabeth extracted and de content of lignin from differentially treated terrestrial and marine sediment.

Ben Gaglioti (University of Alaska, Fairbanks) studied permafrost behavior during past warming events using ramped pyrolysis

Brittany Kruger (University of Minnesota, Duluth) isolated fatty acids from sediment to study terrestrial and aquatic inputs to La
2011
Mara Dougherty isolated biomarkers for sulfate reducing bacteria isolated from Beaufort Sea sediments and measured their ra the results to shed light on the anaerobic oxidation of CH4.
2010
Brett Walker (University of California) analyzed compound classes isolated from particulate matter collected in a nearshore up
Ian Ball (Scripps Inst. of Oceanography) analyzed lignin phenols standards to test a method he is developing to study the radic oceanic DOC.
2009
Prosper Zigah (University of Minnesota) analyzed the radiocarbon content of compound classes isolated from high molecular v Superior.
Jeff Salacup (Brown University) used compound-specific 14C-AMS analysis of sedimentary alkenones from a muddy coastal s reconstruct climatic events in Naragansett Bay.
2008
Andrew Kemp (University of Pennsylvania) used high precision radiocarbon measurements to date the historical onset of acce
Branwen Williams (Ohio State University) measured radiocarbon in bamboo corals to study the western Pacific warm pool.
Juzhi Hou (Brown University) developed and HPLC method to isolate and measure the radiocarbon content of lignin phenols e
2007
Haiwei Shen (GSO, University of Rhode Island) developed a method to isolate and measure the radiocarbon content of formal air.
Andrew Wozniak (Virginia Institute of Marine Science) used both stable and radio- carbon isotopes to characterize the total an organic matter in aerosol samples from watersheds.
*Last updated: October 27, 2015*