

Deep Submergence Laboratory: Research Projects

A list of some of the projects that researchers within the Deep Submergence Laboratory are currently working on.

Ancient DNA in ceramic artifacts



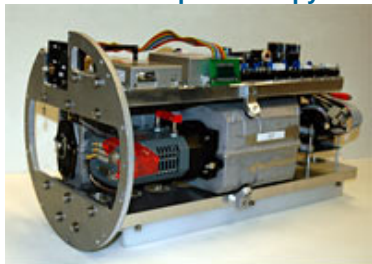
[Brendan Foley](#), Research Associate III

Ancient DNA can reveal the original contents of empty ceramic archaeological artifacts. Recently we conducted proof-of-concept trials by applying molecular biology procedures to two 2400 year-old ceramic jars recovered from the Greek shipwreck located between Chios and Oinousses.

More information

<http://www.whoi.edu/sbl/liteSite.do?litesiteid=2740&articleId=40506>

Laser Raman Spectroscopy for use at Hydrothermal Vent and Cold Seep Sites



[Sheri N. White](#), Assistant Scientist

Developing the techniques and instrumentation needed to make qualitative and quantitative *in situ* measurements of minerals and dissolved gases; and hydrothermal plume particles (post-doc Chip Breier).

More information

<http://www.whoi.edu/hpb/viewPage.do?id=2013&cl=1>

<http://www.mbari.org/raman/>

Measuring Aerosol Iron Deposition to the Open Ocean



[Sheri N. White](#), Assistant Scientist

Developing the technique of visible reflectance spectroscopy for integration with the WHOI buoy-mounted aerosol sampler for quantitatively measuring aerosol iron deposition to the open ocean.

More information

<http://www.whoi.edu/hpb/viewPage.do?id=2013&cl=2>

http://www.whoi.edu/science/MCG/dept/facilities/sea_aer/maintextpg.html

WHOI's buoy mounted aerosol sampler on the Bermuda Testbed Mooring.

Last updated: June 10, 2008

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