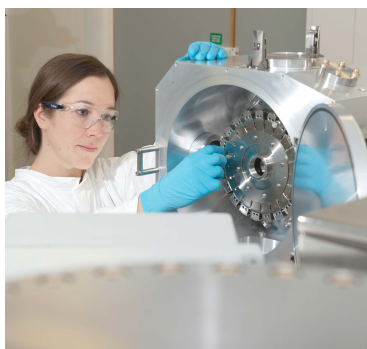


Graduate School, National Oceanography Centre Southampton

PhD opportunities in Marine Biogeochemistry

Entry 2017

The Marine Biogeochemistry research group conducts innovative research to elucidate the biogeochemical operation of the ocean. We address major societal issues, including the role of the oceans in the carbon cycle, geoengineering solutions to climate change and the environmental management of the oceans. We work closely with NERC colleagues in the building and with other collaborators worldwide. The research group includes some 50 staff and PhD students, has world-class facilities and an active programme of sea-going research.



Microbial Nitrogen and Carbon Cycling in the Twilight Ocean: Pinpointing the Active Processes with Targeted Proteomics Approaches

Phyllis Lam, Tom Bibby, Paul Skipp (Biol. Sciences, UoS), Andy Rees (PML)

Carbon - trace metal interactions in the oceanic twilight zone

Mark Moore, Maeve Lohan, Alex Poulton, Adrian Martin, Samir Khatiwala (University of Oxford)

Unlocking the biotechnological potential of marine microbes: isolation of gene clusters from heterologous species by recombineering recovery (RR)

John Gittins, Duncan Purdie

Photosynthesis in a changing ocean

Tom Bibby, Mark Moore, Anna Hickman, Alex Poulton & Paul Skipp (Biol. Sciences, UoS)

Climate change impacts and differences between plankton communities in the North Pacific and North Atlantic oceans

Martin Edwards (SAHFOS), Stephanie Henson (NOC), Sonia Batten (Pacific Biological Station, Nanaimo, Canada), Anna Hickman

Observing the biological carbon pump with autonomous underwater vehicles

Stephanie Henson (NOC), Eleanor Frajka-Williams, Anna Hickman, Jan Kaiser (UEA), Matthew Palmer (NOC)

Mid-Ocean Ridge Iron Supply to the Ocean

Maeve Lohan, Rachael James, Doug Connelly, Alessandro Tagliabue (University of Liverpool)

Investigating the role of iron in long-term control of ocean primary production

Toby Tyrrell, Mark Moore, Maeve Lohan

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