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**Education:** BSc Environmental Sciences (UEA, 1999-2003 and University of Miami 2001-2002), PhD Marine Carbonate Biology/Chemistry (UEA, to be completed December 2007)

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### **Research areas:**

I currently in my final year of a NERC funded PhD and am writing a thesis tentatively entitled “The Ecology of Calcium Carbonate in the Open Ocean.” I am supervised by Prof. Andy Watson and am part of the Atlantic Meridional Transect (AMT) programme.

Most of my recent work is focused on surface ocean  $\text{CaCO}_3$  dissolution processes in the context of ocean acidification, working in collaboration with Dr. Roger Harris of Plymouth Marine Laboratory and Dr. Paul Thomas of Biological Sciences at UEA. I have used microscope techniques to determine digestive pH within zooplankton and have examined  $\text{CaCO}_3$  dissolution within zooplankton and marine snow.

Additionally, I have sailed on three AMT cruises (13–15) measuring alkalinity, dissolved inorganic carbon and the partial pressures of carbon dioxide and oxygen. More broadly I am interested in (mostly aquatic) biogeochemistry and evolutionary biology.

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