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EDUCATION:

1999-2002 **Doctor of Philosophy** University of Oxford
1998-1999 **Master of Sciences (Earth Sciences)** University of Cambridge
1995-1998 **Master of Arts (Natural Sciences) 1st Class** University of Cambridge

EMPLOYMENT:

2006 - present Assistant Scientist, Woods Hole Oceanographic Institution
2003-2005 Post-doctoral Fellow in geochemistry, California Institute of Technology
 Comer Fellowship for Palaeoclimate Research
2003 Postdoctoral Research Fellowship, Dept. Earth Sciences, Oxford University

AWARDS:

2003 Division of Geological and Planetary Sciences, Geochemistry Option Postdoctoral Scholar
2002 Oxford University Vice Chancellor's Award
1999-2002 Natural Environment Research Council graduate research studentship
1999-2002 Nu Instruments CASE Award for graduate research

FIELD EXPERIENCE:

- Co-PI on OPP funded Southern Ocean Cruise NBP-0805 targeting Drake Passage deep-sea corals
- Participant of cruises in the North Atlantic and Indian Ocean.
- Experience at sea including deep-sea coral collection using submersibles, dredging and trawling, mapping and seafloor imaging using Multibeam, ABE and towed camera sleds, trace-metal clean water-column sampling, CTD and sediment collection using box corers and gravity cores,.
- Field work programs collecting samples in New Zealand, Bahamas, Antarctica and Hawaii for geochemical analysis
- Geological surveys in Atacama Desert (Chile), Belize, New Zealand and Spitsbergen

EDUCATION & OUTREACH:

- Mentoring and training of undergraduate and graduate students, visiting scientists and technical staff at Oxford, Caltech and WHOI
- Advising Summer Student Fellow / Guest Student Taryn Noble (2006 & 2007), Guest Student John Swartz (2007 & 2008) and co-advisor to Summer Student Fellow Dustin Long (2008)
- General project advisor for PhD candidates Andrea Burke (2008) and Ali Criscitiello (2008)
- Advisor for Post-doctoral Fellow Louisa Bradtmiller (2008-)
- Co-advisor to the MIT-WHOI Joint Program 2006 incoming class of graduate students (2006-2008)

- MC&G Summer Student Fellow selection committee representative (2008)
- *Ad hoc* reviewer for NSF proposals, and for journals including: *Science*, *Nature*, *Geochimica et Cosmochimica Acta*, *Marine Ecology Progress Series*, *Earth and Planetary Science Letters*, *Paleoceanography* and *Quaternary Science Reviews*.
- Participation in Teacher at Sea Program, 2005.
- Outreach website from 2008 OPP cruise: http://censeam.niwa.co.nz/outreach/nathaniel_b._palmer

PUBLICATIONS:

Robinson L.F., Henderson G.M. and Slowey N.C. (2002) U-Th dating of marine isotope stage 7 in Bahamas slope sediments. *Earth and Planetary Science Letters* 196 (3-4), 175-187

Robinson L.F., Henderson G.M., Hall, L. and Matthews, I. (2004) Climatic control of riverine and seawater uranium-isotope ratios, *Science*, 305, 851-854

Robinson L.F., Belshaw, N.S. and Henderson G.M. (2004) *U and Th concentrations and isotope ratios in modern carbonates and waters from the Bahamas* *Geochimica Cosmochimica Acta* 68 (8) 1777-1789

Robinson L. F., Adkins J. F., Keigwin L. D., Southon J., Fernandez D. P., Wang S. L., and Scheirer D. S. (2005) Radiocarbon variability in the Western North Atlantic during the last deglaciation. *Science* 310, 1469-1473

Thomas A. L., Henderson G. M., and **Robinson L. F.** (2006) Interpretation of the $^{231}\text{Pa}/^{230}\text{Th}$ paleocirculation proxy: New water-column measurements from the southwest Indian Ocean. *Earth and Planetary Science Letters* **241**, 493– 504.

van de Flierdt T., **Robinson L. F.**, Adkins J. F., Hemming S. R., and Goldstein S. L. (2006) Temporal stability of the neodymium isotope signature of the Holocene to Glacial North Atlantic. *Paleoceanography*. PA4102 doi: 10.1029/2006PA001294

Robinson L. F., Adkins J. F., Fernandez D. P., Burnett D. S., Wang S. L., Gagnon A., and Krakauer N. (2006), Primary U distribution in scleractinian corals and its implications for U series dating, *Geochemistry Geophysics Geosystems* 7, Q05022, doi:10.1029/2005GC001138

Henderson G. M., Hall B. L., Smith A., and **Robinson L. F.** (2006) Control on ($^{234}\text{U}/^{238}\text{U}$) in lake water: A study in the Dry Valleys of Antarctica. *Chemical Geology* **226**, 298– 308.

Eltgroth, S., Adkins, J.F., **Robinson, L.F.**, Southon, J. and Kashgarian, M., 2006. A Deep-sea Coral Record of North Atlantic Radiocarbon through the Younger Dryas. *Paleoceanography*, 21(4, PA4207): 10.1029/2005PA001192.

Henderson G. M., **Robinson L. F.**, Cox K, and Thomas A.L. Recognition of non-Milankovitch sealevel highstands at 185 and 340 thousand years ago from U-Th dating of Bahamas sediment (2006) *Quaternary Science Reviews* **25** 3346–3358

Gagnon, A., Adkins, J.F., Fernandez, D.P. and **Robinson, L.F.** (2007) Sr/Ca and Mg/Ca vital effects correlated with skeletal architecture in a scleractinian Deep-Sea coral and the role of Rayleigh fractionation. *Earth and Planetary Science Letters*. **261** 280-295.

Robinson L. F., Adkins J. F., Scheirer D. S., Fernandez D. P., Gagnon A. and Waller R.G (2007) Deep-sea coral age and depth distributions in the WN Atlantic over 240 thousand years. *Bulletin of Marine Sciences*. **81**(3): 371–391

Waller, R.G., Adkins, J.F, **Robinson, L.F** and Shank, T. (2007). Ancient DNA Techniques: Applications for Deep-Water Corals. *Bulletin of Marine Sciences*.**81**(3): 351–360

Robinson, L.F., Noble, T., and McManus, J.F., 2008, Measurement of adsorbed and total $^{232}\text{Th}/^{230}\text{Th}$ ratios from marine sediments: *Chemical Geology*, v. 252, p. 169-179.

Druffel, E.R.M., **Robinson, L.F.**, Griffin, S., Halley, R., Southon, J., and Adkins, J.F., 2008, Low Reservoir Ages for the Surface Ocean from mid-Holocene Florida Corals *Geochemistry Geophysics Geosystems*, v. 23, p. PA2209.

Robinson, L.F., and van de Flierdt, T., accepted, Southern Ocean evidence for reduced export of North Atlantic Deep Water during Heinrich Event 1: *Geology*.