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EDUCATION:

1995-1998 **Master of Arts (Natural Sciences) 1st Class** University of Cambridge
1998-1999 **Master of Sciences (Earth Sciences)** University of Cambridge
 Masters thesis advisor: J.A.D. Dickson
1999-2002 **Doctor of Philosophy** University of Oxford
 PhD Thesis Advisor: G.M. Henderson
 Thesis examiners: D. Porcelli and R.L. Edwards

EMPLOYMENT

2006 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 Geochemistry Option Postdoctoral Scholar Division of Geological and Planetary
 Sciences, California Institute of Technology
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

- Participant of cruises in the Atlantic and Indian Oceans. Experience at sea including deep-sea coral collection using submersibles, 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 water rock and ice samples in New Zealand, Antarctica, Chile, Bahamas and Hawaii for geochemical analyses
- Geological surveys in Atacama Desert (Chile), Belize, New Zealand and Spitsbergen

LABORATORY EXPERTISE

- Clean Laboratory protocols
- Plasma ionisation mass spectrometry: Multi-collector (Neptune, Nu) and single collector (Element)
- Thermal ionisation mass spectrometry
- AMS 14C measurements on carbonates

PEER REVIEWED 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* 98 (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
- Robinson L. F.**, Adkins J. F., Scheirer D. S., Fernandez D. P., Gagnon A. and Waller R.G (submitted) Deep-sea coral age and depth distributions in the WN Atlantic over 240 thousand years. *Bulletin of Marine Sciences*.
- Waller, R.G., Adkins, J.F, **Robinson, L.F** and Shank, T. (submitted). Ancient DNA Techniques: Applications for Deep-Water Corals. *Bulletin of Marine Sciences*.
- Gagnon, A., Adkins, J.F., Fernandez, D.P. and **Robinson, L.F.** (submitted) 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*.

CONFERENCE PRESENTATIONS

2006

JF Adkins, D Scheirer, **L F. Robinson**, T Shank Habitat Mapping Today and their Distribution in the Past AGU Ocean Sciences February Deep-Sea Corals in the New England Seamounts:

LF Robinson, JF Adkins LD Keigwin, DP Fernandez S-L Wang, J Southon, D Scheirer, Radiocarbon variability in the Western North Atlantic during the last deglaciation, AGU Ocean Sciences

2005

LF Robinson, JF Adkins LD Keigwin, DP Fernandez S-L Wang, J Southon, D Scheirer Radiocarbon variability in the North Atlantic during the last deglaciation Deep Sea Coral Symposium

L F. Robinson, J F. Adkins, D P. Fernandez, D S. Burnett, AC. Gagnon and N Krakauer Initial and Diagenetic Behaviour of U Isotopes in Corals: Implications for U-series Dating. Fall AGU

LF Robinson, JF Adkins LD Keigwin, J Southon Past radiocarbon profiles from deep sea corals in the North Atlantic SCOR/IMAGES Workshop on Past Ocean Circulation Atlanta, Georgia, USA

2004

L. F. Robinson, J.F. Adkins, D.P. Fernandez and S.L. Wang Past radiocarbon profiles from deep-sea corals in the north Atlantic, Fall AGU

LF Robinson, JF Adkins, DP Fernandez, SL Wang: Elemental Ratios in Deep Sea corals – palaeotemperature or vital effects? AGU Ocean Sciences

LF. Robinson, J.F. Adkins, D.P. Fernandez and S.L. Wang; Past radiocarbon profiles and deep coral age distributions in the north Atlantic International conference of Paleoceanography

Thomas A.L., Henderson GM, **Robinson LF**, Pa-231/Th-230 as a tracer of ocean circulation in the Indian Ocean? GCA 68 (11): A495

Robinson L.F., Adkins, J.F Uranium-series dating and diagenesis in deep-sea corals GCA 68 (11): A328

Adkins, J.F and **Robinson L.F** Past and Present distribution of deep-sea corals from N Atlantic Seamounts AGU Ocean Sciences

2003

Robinson L.F., Henderson G.M. Hall, L. and Matthews, I. Controls on ^{234}U in the South Island of New Zealand Eos, Transactions

Fernandez, D., Adkins, J.F., **Robinson, L.F**, Scheirer, D., Shank, T. and the AT35-7 Science Party, Depths and Ages of Deep-Sea Corals from the Medusa Expedition Fall AGU

Adkins, J.F., Fernandez, D., **Robinson, L.F.** and Wang, J. Biological Control of Uranium Incorporation into Coralline Aragonite. Fall AGU

2002

Robinson L.F., and Henderson G.M., Th, Pa and U isotopes in Bahamas seawater by MC-ICP-MS
Abstracts of the 12th Annual Goldschmidt Conference, GCA 66(15A) A642

Henderson G.M., **Robinson L.F.** et al. Weathering control of river and ocean ($^{234}\text{U}/^{238}\text{U}$) Abstracts of
the 12th Annual Goldschmidt Conference, GCA 66(15A) A322

Robinson L.F., Henderson G.M. and Slowey N.C. The timing of Termination III recorded in
Aragonitic Sediments Sixth International Symposium of the Earth's surface.

2001

Henderson G.M., **Robinson L.F.** et al Timing constraints in the mechanisms of deglaciation: a
possible tropical role. GSA Earth System processes

Henderson G.M. and **Robinson L.F.** A history of seawater uranium-isotope ratios and the timing of
Pleistocene interglacials Book of Abstracts, Palaeoceanography and Climate Change, the William
Smith Meeting of the Geological Society p. 8

2000

Robinson L.F., Henderson G.M. and Slowey N.C. U-Th Dating of Marine Isotope Stage Seven in
Bahamian Slope Sediments Eos, Transactions (supplement) Vol. 81:48 p 595

Robinson L.F., Henderson G.M. and Slowey N.C. U-Th Dating of Marine Isotope Stage Seven in
Bahamian Slope Sediments Journal of Conference Abstracts, Goldschmidt 2000 vol. 5: 2 p. 40