

Curriculum vitae: **Greg Balco**

Education

University of Washington, Seattle, WA. Ph.D., Earth and Space Sciences, 2004; M.S., Applied Mathematics, 2004.

University of Maine, Orono, ME. M.S., Geological Sciences, 1997.

Williams College, Williamstown, MA. Bachelor of Arts, magna cum laude, 1992.

Fellowships and awards

Fannie and John Hertz Foundation Graduate Fellow, 1999-2003. Geological Society of America, J. Hoover Mackin Award, 2002. DOSECC Graduate Internship, 2002. American Federation of Mineralogical Societies Graduate Fellowship, 2000-2001. ARCS Fellow, University of Washington, 1998-1999. Dean John A. Knauss Sea Grant Marine Policy Fellow, 1997-1998. Geochron Laboratories Research Award, 1996. National Science Foundation Graduate Research Fellow, 1995-1999. Freeman Foote Prize in Geology, Williams College, 1992. Bruce Sanderson, Class of 1956, Prize in Architecture, Williams College, 1992. Class of 1960 Geology Scholar, Williams College, 1991-1992. Conoco Corporation Field Course Scholarship, Princeton-YBRA Field Camp, 1991. American Mineralogical Society Undergraduate Award, Williams College, 1991. Phi Beta Kappa Society. Sigma Xi Society.

Other relevant academic experience

2004-present. Research Associate, University of Washington.

2000-2001. U.S. Antarctic Program. Deep field deployment in Ford Ranges, West Antarctica.

2001. Graduate teaching assistant, University of Washington.

1994-1995. Graduate teaching assistant, University of Maine.

Professional experience

1998. Carpenter, Otis Burt Construction, West Tisbury, MA.

1997-1998. Fellow (1997), legislative staff (1998), U.S. House of Representatives, Committee on Resources, Subcommittee on Fisheries Conservation, Wildlife, and Oceans.

1993-1994. Staff geologist, JME Companies, Lakewood, CO.

Publications

Abstracts of work not published elsewhere

[1] Balco, G., Stone, J.O.H., Patterson, C. J., 2003. The fate of preglacial regolith beneath the Laurentide Ice Sheet. Abstracts with programs, XVI INQUA Congress. Abstract 64-4.

[2] Balco, G., Anders, A., Finnegan, N., Gran, K., Mitchell, S., Stone, J.O.H., 2002. Be-10 measurements of soil balance and landscape stability in the Pacific Northwest. Eos Trans. AGU, 83(47), Fall Meet. Suppl., Abstract H22B-0895.

[3] Balco G., Stone J.O.H., Caffee M., Parnachov S., 2000. Cosmogenic-isotope ages for Siberian megafloods, Altai Republic, Russia. GSA Abstracts with Programs [2000 Annual Meeting], v. 32, no. 6, p. 117.

In review

[4] Balco, G., Stone, J.O.H., Jennings, C., 2004 in review. Dating Plio-Pleistocene glacial sediments using the cosmic-ray-produced radionuclides Be-10 and Al-26. American Journal of Science.

[5] Balco, G., Stone, J.O.H., Mason, J., 2004 in review. Numerical ages for Plio-Pleistocene glacial sediment sequences by Al-26/Be-10 dating of quartz in buried paleosols. Earth and Planetary Science Letters.

[6] Sugden D., Balco G., Cowdery S., Stone J.O.H., Sass L., 2004 in review. Selective glacial erosion in the Sarnoff and Allegheny Mountains, Marie Byrd Land, Antarctica. Geomorphology.

[7] Staudenmayer, J., Altman, N., Balco, G., Crainiceanu, C., Gehrels, R., Qui, J., 2004 in review. Millennial Scale Relative Sea-Level Curve Estimation: Approximately segmented regression and covariate measurement error. Journal of the Americal Statistical Association.

Published

[8] Stone, J.O.H., Balco, G., Sugden, D., Caffee, M., Sass, L.C. III, Cowdery, S., Siddoway, C., 2003. Holocene deglaciation of Marie Byrd Land, West Antarctica. Science 299, p. 99.

[9] Balco, G., Stone, J.O.H., Porter, S.C., Caffee, M., 2002. Cosmogenic-nuclide ages for New England coastal moraines, Marthas Vineyard and Cape Cod, Massachusetts, USA. Quaternary Science Reviews 21, pp. 2127-2135.

[10] Montgomery, D., Balco, G., Willett, S., 2001. Climate, tectonics, and the morphology of the Andes. Geology 29, pp. 579-582.

[11] Dorion, C.C., Balco, G., Kaplan, M.R., Kreutz, K.J., Wright, J., Borns, H.W., 2001. The Deglaciation of Eastern Maine. in Retelle, M. and Weddle, T., eds., Deglacial History and Relative Sea-Level Changes, Northern New England and Adjacent Canada. Geological Society of America Special Paper 351.

[12] Balco, G., Belknap, D.F., and Kelley, J.T., 1998. Glacioisostasy and lake-level change, Moosehead Lake, Maine. Quaternary Research 49, pp. 157-170

Collaborators

John Stone [Ph.D. advisor], B. Hallet, S. C. Porter, C. Todd, S. Cowdery, D. Montgomery (U. of Washington); C. Jennings (U. of Minnesota); C. Rovey (Southwest Missouri State); J. Mason (U. of Wisc); D. Sugden (Univ. of Edinburgh); J. Staudenmayer (U. of Mass.).
