

Maureen Diana Feineman

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Professional Preparation

B.A. (Earth and Planetary Science), Johns Hopkins University, 1995
Ph.D. (Geology), University of California at Berkeley, 2004
Postdoctoral Fellow (Geochemistry), Okayama University at Misasa, 2004-2005

Appointments

2005-present Assistant Professor, Pennsylvania State University
2004-2005 Center of Excellence for the 21st Century (COE-21) Post-doctoral
Fellow, Institute for Study of the Earth's Interior, Okayama University at
Misasa, Japan
2002-2004 Student Employee Graduate Research Fellow, Lawrence Livermore
National Laboratory
1998-2002 Teaching/Research Assistant, University of California, Berkeley
1997-1998 Staff Geologist, Cambria Environmental Technology, Emeryville, CA
1996 Volcanology Volunteer, USGS, Hawaiian Volcano Observatory
1994 Teaching Assistant, Center for Talented Youth, Johns Hopkins
University

Relevant Publications

Feineman M, Penniston-Dorland S, Poitrasson F, Weyer S, Applications of non-traditional stable isotopes in high-temperature geochemistry, *Chemical Geology* 258 (2009) 1-4.

Gilman T, Fisher D, **Feineman M**, The Chulitna Terrane of south-central Alaska: A rifted volcanic arc caught between the Wrangellia Composite Terrane and the Mesozoic margin of North America, *GSA Bulletin* (2009), *accepted*.

LeVay B, **Feineman M**, Zack T, Tsujimori T, Moriguti T, Nakamura E, Kerrick D, High-pressure partial melting of an alkali-rich eclogite, from the Erzgebirge, Southeastern Germany. *Submitted to Geochemistry, Geophysics, and Geosystems*.

Feineman MD, Ryerson FJ, DePaolo DJ, Plank T., Zoisite-aqueous fluid trace element partitioning with implications for subduction zone fluid composition, *Chemical Geology* 239 (2007) 250-265.

Feineman MD, DePaolo DJ, Steady-state $^{226}\text{Ra}/^{230}\text{Th}$ disequilibrium in mantle minerals: Implications for melt transport rates in island arcs, *Earth and Planetary Science Letters* 215 (2003) 339-355.

Other Significant Publications (selected abstracts)

Feineman M, Johnson E, Wallace P, Kobayashi K, Moriguti T, Nakamura E, Post-entrapment Li isotope fractionation in melt inclusions from Volcán Jorullo, Mexico, *Geochim. Cosmochim. Acta* 72 (suppl.), p. A261, 2008

LeVay B, Feineman M, Zack T, Kerrick D, Partial melting of eclogite to form high-pressure granitic rock; a case from the Erzgebirge, Southeast Germany, *Geochim. Cosmochim. Acta* 71 (suppl.), p. A565, 2007

Feineman M, Johnson E, Wallace P, Kobayashi K, Nakamura E, Systematic Li isotope fractionation in melt inclusions from Volcan Jorullo, Mexico, *Eos Trans. AGU*, 87 (52), Fall Meet. Suppl., Abstract V23C-0639, 2006

Feineman M, Moriguti T, Terui S, Nakamura E, Sources of magmatism at Daisen Volcano, Southwest Japan Arc (INVITED), *Geochim. Cosmochim. Acta* 69 (suppl.), p.638, 2005

Feineman MD, Ryerson FJ, DePaolo DJ, Pressure-temperature controls on slab-derived fluid chemistry (INVITED), *Geochim. Cosmochim. Acta* 69 (suppl.), p.648, 2005

Synergistic Activities

Pennsylvania State University Earth and Mineral Sciences Museum and Art Gallery Advisory Board member, 2008-2009

Student Travel Assistance Program coordinator, Goldschmidt 2008, Vancouver, BC
Guest Editor, *Chemical Geology Special Issue "Applications of Non-Traditional Stable Isotopes in High-Temperature Geochemistry"*, 2009

Session Convener: AGU Fall Meeting 2008, San Francisco, CA; Goldschmidt 2007, Cologne, Germany; AGU Fall Meeting 2004, San Francisco, CA

Program Committee Member, State of the Arc 2007, Termas Puyehue, Chile

Graduate and Post-doctoral Research Advisors

Donald J. DePaolo, University of California, Berkeley

Frederick J. Ryerson, Lawrence Livermore National Laboratory

Eizo Nakamura, Okayama University at Misasa

Collaborators on Current and Recent Projects

Susan Brantley (Penn State), James Brenan (Univ. Toronto), Julia Bryce (Univ. New Hampshire), David Egger (Penn State), Donald Fisher (Penn State), Tanya Furman (Penn State), Andrey Gurenko (WHOI), Emily Johnson (Univ. Oregon), Derrill Kerrick (Penn State), Katsura Kobayashi (Okayama Univ. Misasa), Takuya Moriguti (Okayama Univ. Misasa), Eizo Nakamura (Okayama Univ. Misasa), Terry Plank (Lamont-Doherty Earth Observatory), Patricia Sruoga (Univ. La Plata, Argentina), Tatsuki Tsujimori (Okayama Univ. Misasa), Paul Wallace (Univ. Oregon), Thomas Zack (Univ. Heidelberg)

Recent Co-editors (Chemical Geology Special Issue)

Sarah Penniston-Dorland (University of Maryland), Franck Poitrasson (University of Toulouse), Stefan Weyer (University of Frankfurt)

Students Advised

Brian LeVay (PhD Penn State), Alicia Cruz-Urbe (PhD Penn State), Jessica Yakob (MS Penn State), Maryjo Brounce (Senior Thesis Penn State)