

Roger Nielsen

B.S. — Geology, University of Arizona

M.S. — Geology/Planetary Science, University of Arizona

Ph.D. — Southern Methodist University

Research Interests:

Experimental Petrology, Application of large databases to petrology; Trace Element geochemistry/partitioning, MORB petrology — especially microchemistry

Recent Publications and Abstracts:

Ustunisik, G., Loewen, M.W., Nielsen, R.L., and Tepley, F.J., 2016, Interpretation of the provenance of small-scale heterogeneity as documented in a single eruptive unit from Mt. Jefferson, Central Oregon Cascades, *Geochem. Geophys. Geosyst.*, 17, doi:10.1002/2016GC006297

Hatfield, A.K., Nielsen, R.L., Kent, A.J.R., Rowe, M.C., Duncan, R.A., 2015, Snow Peak, Oregon: latest Miocene low-K tholeiite volcanism in the Cascadia forearc, *Lithos*, 239, 86-96

Nielsen, R.L., Ghiroso, M.S., Trischman, T., 2015, What we have learned about the existing trace element partitioning data during the population phase of traceDs. AGU Fall Meeting.

Ustunisik, G.U., Kilinc, A., Nielsen, R.L., 2014, New Insights into the Processes Controlling Compositional Zoning in Plagioclase, *Lithos* 200–20, 80–93

