



Germán A. Prieto

Departamento de Geociencias

Facultad de Ciencias

Universidad Nacional de Colombia

Phone: (57 1) 316-5000 Ext 16530

E-mail: gaprietogo@unal.edu.co

<http://www.gaprieto.com>

EDUCATION

- 2002 - 2007 University of California San Diego.
Ph.D. in Earth Sciences
- 2002 - 2004 University of California San Diego.
M.S. in Earth Sciences
- 1997 - 2002 Universidad Nacional (Bogotá, Colombia)
B.S. in Geology

WORK EXPERIENCE

- 2017-Present *Associate Professor of Geophysics*
Departamento de Geociencias, Universidad Nacional de Colombia
- 2016-2017 *Associate Professor of Geophysics*
Facultad de Ciencias Naturales y Matematicas, Universidad del Rosario
- 2013-2016 *Cecil & Ida Green Career Development Assistant Professor*
Earth, Atmospheric, and Planetary Sciences, MIT.
- 2009-2013 *Assistant Professor of Geophysics*, Physics Department
Universidad de los Andes
- 2007-2009 *Postdoctoral Scholar*, Department of Geophysics, Stanford University

HONORS AND AWARDS

- 2026 Corresponding Fellow, Academia Col. de Ciencias Ex. Fís. y Nat.
- 2025 Distinción Investigación Meritoria, Facultad de Ciencias, UNAL
- 2014-2016 Cecil & Ida Green Career Development Chair, MIT
- 2011 Editors Citation for Excellence in Refereeing, JGR-Solid Earth, AGU.
- 2010 Keiiti Aki Young Scientist Award, AGU - Seismology Section
- 2007-2008 Thompson Postdoctoral Fellowship, Stanford University

KEY PUBLICATIONS

5. Wagner, L. S., **Prieto, G. A.**, Montes, C., Ramos, J. P., Dionicio, V., & Pedraza, P. (2025). Breaking the Caribbean Plate: Subduction initiation beneath the northern margin of Panama. *Geophysical Research Letters*, 52, e2025GL116734.
4. Florez, M.A.*, **G.A. Prieto** (2019) Controlling Factors of Seismicity and Geometry in Double Seismic Zones. *Geophys. Res. Lett.* 46 (8) 4174-4181.
3. **Prieto, G.A.**, M. Florez*, S.A. Barrett, G.C. Beroza, et al. (2013) Seismic evidence for thermal runaway during intermediate-depth earthquake rupture. *Geophys. Res. Lett.*, 40. 1-5.
2. **Prieto, G. A.**, G. C. Beroza. (2008), *Earthquake Ground Motion Prediction Using the Ambient Seismic Field*. *Geophys. Res. Lett.*. 35. L14304.
1. **Prieto, G. A.**, P. M. Shearer, F. L. Vernon, and D. Kilb. (2004), *Earthquake source scaling and self-similarity estimation from stacking P and S spectra*. *J. Geophys. Res.*, 109, B08310.

RESEARCH INTERESTS

My main interest is to use seismic records to understand the earthquake source, the interior of the Earth and how both affect the ground motions that we feel on the Earth's surface. As an observational seismologist I analyze large amounts of seismic data in order to test predictions from physically based models, allowing me to draw conclusions about fundamental questions in seismology. I have worked on studying the scaling of source parameters for earthquakes worldwide, the nature of intermediate-depth earthquakes as well as using ambient noise for understanding ground motions in sedimentary basins or inside buildings. More recently my research has focused in understanding the tectonics of northern South America.

PROFESSIONAL SOCIETIES

American Geophysical Union (AGU)
European Geosciences Union (EGU)
Seismological Society of America (SSA)
European Association of Geoscientists and Engineers (EAGE)