UNIVERSIDAD NACIONAL DE COLOMBIA
SEDE BOGOTÁ
FACULTAD DE CIENCIAS
DEPARTAMENTO DE GEOCIENCIAS

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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

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. Florez, M.A.*, **G.A. Prieto** (2019) Controlling Factors of Seismicity and Geometry in Double Seismic Zones. Geophys. Res. Lett. 46 (8) 4174-4181.

4. **Prieto, G.A.**, Froment, B. C. Yu, Poli, P.†, R. Abercrombie (2017), Earthquake rupture below the brittle-ductile transition in continental lithospheric mantle. *Science Advances* 3, e1602642.

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)