The Department of Geology at the University of Maryland has an opening for a postdoctoral Research Associate to work in the geodynamics laboratory on a project funded by the National Science Foundation.

The project, entitled "Fabric Evolution and the Development of Ductile Shear Zones," aims at better constraining, from a theoretical and mechanical point of view, the structure of the lithosphere beneath seismically active faults. The research associate will develop a numerical model of strike-slip motion using the deal.II finite element library and simulate with it the development of a ductile shear zone underneath a seismogenic fault. Experience in computational modeling, especially using finite element methods, is highly desirable.

The position is for 2 ½ years, contingent upon satisfactory performance. All Ph.D. requirements must be completed by the time of appointment. The position will remain open until filled. To apply, please send, preferably by email, (1) a brief cover letter stating research interests and experience, along with contact information for three references (name, institute and email address are sufficient), and (2) a CV including a publication list to:

Laurent Montesi  
Department of Geology  
University of Maryland  
237 Regents Drive, College Park, MD 20742  
montesi@umd.edu

For best consideration, send your application materials by September 15th, 2014 with the subject line: Fabric Evolution Postdoc Application.

The University of Maryland, College Park, actively subscribes to a policy of Equal Employment Opportunity, and will not discriminate against any employee or applicant because of race, age, sex, color, sexual orientation, physical or mental disability, protected veteran status, religion, ancestry or national origin, marital status, genetic information, political affiliation, and gender identity or expression. Minorities, Women, Protected Veterans and Individuals with Disabilities are encouraged to apply.