<u>Postdoctoral Research Scientist position in the field of Computational Mineral/Materials Physics</u>

The Lamont-Doherty Earth Observatory and the Department of Applied Physics and Applied Mathematics at Columbia University invite applications for a full-time Postdoctoral Research Scientist position in Computational Mineral/Materials Physics. The successful candidate will join Renata Wentzcovitch's group to conduct research on materials simulation at extreme conditions, including strongly correlated oxides and/or weakly bonded materials (ice), mineral physics, materials discovery, and simulation software development. The primary goal of this research is to advance computations of materials properties to model planetary interiors. The selected candidate will join the Seismology, Geology & Tectonophysics division of Lamont-Doherty Earth Observatory.

Requirements:
Ph.D. in materials or condensed matter physics, quantum chemistry, materials science, mineral physics or related discipline is required. Previous experience with *ab initio* calculations of vibrational properties, and/or molecular dynamics, and/or genetic algorithms, and/or Mössbauer and NMR spectroscopy, and/or thermodynamics equilibrium and phase diagrams is desirable.

To apply:

Search will remain open for at least 30 days after the ad appears and will continue until the position is filled.

Please visit our online application site at
<u>https://</u>academicjobs.columbia.edu/applicants/Central?quickFind=64088 for further information about this position and to submit your application, cv, a short description of project plans for the appointment period (2-3 pages, including figures and references), research statement and three reference contacts.

Priority will be given to applications received by <u>February 28, 2017</u>.

Appointment will be for 1 year, with continuation pending funding and progress.

Columbia University benefits offered with this Officer of Research appointment.

Columbia University is an Equal Opportunity/Affirmative Action employer -- Race/Gender/Disability/Veteran.

We accept online applications only.