

POSTING DATE: 26 October 2018

JOB OPPORTUNITY: Shared postdoctoral opening between the Max Planck Institute of Microstructure Physics of Halle (Hardy Gross) and Center for Materials Genomics (Stefano Curtarolo), Duke University, USA

LOCATIONS: Halle (Germany), Jerusalem (Israel), Durham (NC, USA).

The “*Max Planck Institute of Microstructure Physics*” (Prof. E.K.U. Gross) and the “*Center of Materials Genomics at Duke University*” (Prof. Stefano Curtarolo) have a shared theoretical/computational postdoctoral position available in computational materials design. The opening topic is “high-throughput search of novel superconductors”.

The successful candidate must have:

- 1) Solid understanding of solid state physics, thermodynamics of materials, crystallography & group-theory, and inorganic chemistry.
- 2) Excellent communication skills, both verbal and written.
- 3) Strong programming skills in python, C++, Fortran. Good knowledge of Unix systems (gcc, g++, etc) and use of AFLOW repositories.
- 4) Proven experience in VASP, Quantum Espresso or other solid state *ab-initio* codes.
- 5) Doctorate in Physics, Materials Science, Chemistry (Solid State Chemistry) or related disciplines.

Potential candidates should send one PDF file named “*Lastname_Firstname_MPI_Halle-Theory-201808.pdf*” containing: cover-letter, curriculum vitae and the names/emails/phone of at least three references to **jobs@materials.duke.edu** by email with subject “*MPI_Halle-Theory-201808: Lastname Firstname*”. Only PDF material will be considered.

Research time will be spent in Halle (Germany), Jerusalem (Israel) and Durham (NC, USA). Starting date can be negotiated.