



Massachusetts Institute of Technology

Postdoc position available at MIT / bioinspired thermal management

A postdoctoral associate position at MIT is available immediately, focused on the analysis and development of bioinspired, adaptive thermal management structures, by using theoretical and atomistic multi-scale modeling and simulation. A Ph.D. in materials science, chemistry, physics or related field is required, in particular experience with molecular dynamics simulations. The goal of this project is the study of hierarchical nanostructured heat mitigation networks that are designed for robustness, thermal flux, and self-assembling properties. The candidate should have very well-developed computational skills, a strong background and interest in atomistic, molecular and multi-scale modeling and simulation, preferably experience in the calculation of transport properties, good written and verbal communication skills and organizational talents.

Please send a CV, a summary of research interests and skills, three representative publications, and the names, affiliations, phone numbers, and email addresses of three references to lamn-search@MIT.EDU. The research will be carried out at MIT's Laboratory for Atomistic and Molecular Mechanics.

For any questions, please contact Markus Buehler (contact information below).

Contact information:

Prof. Markus J. Buehler
Esther and Harold E. Edgerton Assistant Professor
Principal Investigator, Laboratory for Atomistic and Molecular Mechanics
Department of Civil and Environmental Engineering
Massachusetts Institute of Technology
77 Massachusetts Ave. Room 1-235 A&B
Cambridge MA 02139
Phone: 617-452-2750
Fax: 617-258-6775
E-mail: mbuehler@MIT.EDU
Lab website: <http://web.mit.edu/mbuehler/www/>
Personal website: <http://cee.mit.edu/index.pl?id=14553>