

Post-doctoral Researcher Position at the University of Southern California

The Mork Family Department of Chemical Engineering and Materials Science within the USC Viterbi School of Engineering at the University of Southern California invites applications for a post-doctoral researcher position under the direction of Prof. Paulo Branicio (<http://branicio.usc.edu>). The successful candidate will participate in a supported project focused on carbon capture in novel materials.

The candidate should have a PhD degree (or completing one shortly) in Materials Science, Physics, Chemistry, or related Engineering disciplines. The applicant is expected to exhibit intellectual independence, excellent communication skills, motivation, drive, and willingness to mentor junior group members. Candidates with expertise in atomistic modeling of molecular or inorganic materials with two or more skill sets noted below are particularly encouraged to apply:

- Molecular dynamics simulations with classical, reactive, or machine-learned potentials
- Classical, reactive, or machine learning force fields development
- First principles modeling based on Density Functional Theory
- Ab initio molecular dynamics simulations
- Machine learning methods applied to materials
- Modeling carbon-based materials
- Modeling molecular adsorption

The position is available from Feb 1st, 2024, and the start date can be negotiated. Application materials include: (1) Curriculum Vitae, (2) publication list, (3) one-page summary of accomplishments and career objectives, and (4) full contact information of three references.

For additional information or to apply to this position, email Prof. Paulo Branicio at branicio@usc.edu.