

IOWA STATE UNIVERSITY

Postdoctoral Research Associate
Critical Materials Institute
Ames Laboratory (USDOE), Iowa State University

The Critical Materials Institute at the Ames Laboratory, a Department of Energy National Laboratory affiliated with Iowa State University, is searching for a qualified Postdoctoral Research Associate for a position available within the “New in-silico ligand design methods for improved separations” and “Dissolution by design: Selective leaching of Rare Earth Elements using SMART lixivants” projects. Research activities will be conducted under the supervision of Dr. Marilu Perez Garcia. The project involves a multi-investigator interdisciplinary team focused on the computer aided design of organic ligands for critical element separation processes. The position requires the completion of a Ph.D. degree in chemistry or related field, with experience in computational chemistry, DFT, machine learning methods and flexibility in learning new computational codes. Experience coding in commonly used scientific coding languages will be considered, but some knowledge of Python, Fortran, and use of version control repository software is preferred. All areas of quantum chemistry will be considered, but experience with density functional theory, artificial intelligence/machine learning methods, solvation methods, or experience with organometallic molecular calculations is preferred.

To apply, please click on this link: https://isu.wd1.myworkdayjobs.com/en-US/IowaStateJobs/job/Ames-IA/Postdoctoral-Research-Associate---Ames-Laboratory_R5351

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