

Postdoctoral Fellowships in Magnetic Separation and Low
Reynolds Number Fluid Dynamics at the Nation
Florida State University

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Posted Jan. 10, 2024, set to expire May 13, 2024

Job Title	Postdoctoral Fellowships in Magnetic Separation and Low Reynolds Number Fluid Dynamics at the Nation
Department	Chemical Engineering https://nationalmaglab.org/
Institution	Florida State University Tallahassee, Florida
Date Posted	Jan. 10, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Engineering - Other Material/Metallurgy Engineering Physics Chemical/Petroleum Mechanical Engineering

Apply By Email

Job Description

Multiple Postdoctoral Fellows are sought to join Chemical Engineering and Material Science groups at the National High Magnetic Field Laboratory (NHMFL). Individuals will work on a series of projects related to the development of flow-through systems for magnetic separation in high magnetic field gradients.

Applicants interested in computational and experimental fluid dynamics, unit operations, magnet design, modeling, fabrication, and systems control are encouraged to apply.

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Responsibilities may include multi-scale computational modeling, experimental system design, and fabrication. Individuals will also be expected to participate in the training of undergraduate and graduate students. The position offers a wide range of professional development opportunities through the NHMFL and Florida State University (FSU), including participation in exciting state and federal government funded frontier science and engineering, mentoring experiences, and the potential for initiating new independent research.

Women and those from groups historically underrepresented in science and engineering are especially encouraged to apply.

Experience and Skills Sought:

- PhD in Engineering and/or Physics or any other relevant discipline.
- Experience in computational fluid dynamics, magnet design and actuation, experimental micro/macro fluidics, colloidal science, and separation processes.
- Interdisciplinary knowledge and skills bridging engineering to soft matter science.
- Team player with outstanding leadership, communication, and presentation skills.

Start Date: Evaluation of applications will begin immediately, with a start dates as early as March 2024. Positions will be for an initial period of one year, with possible extension to a second and third year.

Please send applications to jali@eng.famu.fsu.edu. Applications should consist of a single PDF file with C.V., 1-page description of research interests, and 2-3 most relevant papers.

The Florida State University is an Equal Opportunity, Affirmative Action employer, committed to diversity in hiring, and a Public Records Agency.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Jamel Ali
Chemical Engineering
National High Magnetic Field Laboratory
Tallahassee, FL

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