

Postdoctoral Scholar in ICR Mass Spectrometry Florida State University

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Posted May 8, 2019, set to expire Dec. 9, 2019

Job Title	Postdoctoral Scholar in ICR Mass Spectrometry
Department	National High Magnetic Field Laboratory https://nationalmaglab.org/
Institution	Florida State University Tallahassee, Florida
Date Posted	May 8, 2019
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Chemistry - General
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Job Description

The NSF High Field FT-ICR MS User Facility at the National High Magnetic Field Laboratory has a postdoctoral position available beginning Spring 2019. The position is for a period of 1 year, with the possibility of extension upon mutual agreement. We seek highly motivated applicants with experience in MALDI mass spectrometry imaging to assist with implementation of a new imaging platform on the NHMFL 21 T FT-ICR mass spectrometer. Job responsibilities include support of a 2 year project to implement a new MALDI imaging capability that takes full advantage of the ultrahigh mass resolving power and mass accuracy of the NHMFL 21 tesla FT-ICR mass spectrometer, method development for optimum analysis of small molecules, lipids, (tryptic) peptides, and intact proteins from biological tissue sections, and application to biological user samples.

Our facility has partnered with the Maastricht MultiModal Molecular Imaging Institute (M4I; Maastricht,

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The Netherlands) to implement MALDI mass spectrometry imaging on the NHMFL 21 T FT-ICR. Preliminary results show unrivaled mass resolving power, mass measurement accuracy, dynamic range, and scan speed for ultra-high performance MALDI MS imaging. The successful candidate will travel to the Maastricht to collaborate with M4I staff in sample preparation, data analysis, and MS imaging instrumentation.

Applicants should have a Ph.D. in chemistry or a closely related field and an established publication record. Experience in mass spectrometry is required. Experience in MALDI MS imaging, biological tissue preparation for MALDI MS imaging, MS imaging instrumentation, FT-ICR MS, and MS imaging data analysis are preferred. Send an official graduate transcript, curriculum vitae including publications, description of prior research/experience, and three letters of recommendation to:

Dr. Don Smith
Ion Cyclotron Resonance Program
National High Magnetic Field Laboratory
Florida State University
1800 E. Paul Dirac Drive
Tallahassee, FL 32310
850-645-0795
donsmith@magnet.fsu.edu

Interested candidates should apply to Florida State University at <https://jobs.fsu.edu> and reference Job ID #45065. Applicants are required to complete the online application with all applicable information. Applications must include all work history up to ten years, and education details even if attaching a resume. This position requires that you have three confidential professional letters of recommendation submitted on your behalf. For additional information, please contact Dr. Don Smith, National High Magnetic Field Laboratory, Florida State University, 1800 E. Paul Dirac Drive, Tallahassee, FL 32310-2740.

The MagLab is operated for the National Science Foundation by a collaboration of institutions comprising Florida State University, the University of Florida, and Los Alamos National Laboratory.

EEO/AA Policy

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FSU's Equal Opportunity Statement can be viewed at:

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http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf

Contact Information

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

Contact Dr. Don Smith
National High Magnetic Field Laboratory
Florida State University
1800 E. Paul Dirac Drive
Tallahassee, FL 32310

Contact E-mail donsmith@magnet.fsu.edu