

UNIVERSITY OF CALIFORNIA, BERKELEY

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Post-doctoral Scholarship available at the College of Chemistry's NMR Facility

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Overview

The College of Chemistry's NMR Facility at the University of California, Berkeley is looking for a highly qualified post-doctoral scholar to assist with the solid-state NMR applications as well as the general facility maintenance. The scholarship will take place in College of Chemistry's rich and diverse research environment. The position is for one year (12 months) with the possibility of renewal up to an additional four years and the financial support does not depend on grant funding. NMR Facility at the College of Chemistry is a 24/7 research facility with seven NMR instruments for the use of faculty, graduate students, postdoctoral associates, and some well-supervised undergraduate researchers. The post-doctoral scholar will provide technical support for solid-state NMR, will assist with the effective operation of the facility including maintenance of instruments and computers, and will provide instruction and training to new users of the instruments. The incumbent will be expected to publish results from collaborations with College of Chemistry faculty, and to participate in grant applications for funding new instruments.

Responsibilities

The post-doctoral scholar will be responsible for:

1. Providing NMR services to campus and outside entities as requested. This will include routine solid-state NMR consultation and sample services for principle investigators, and data analysis and interpretation for facility users.
2. Assisting with general facility maintenance including cryogen fills (Helium and Nitrogen), and maintenance of facility computers and websites. The incumbent will ensure that the magnets' liquid nitrogen and liquid helium fills are performed in a timely and safe manner.
3. Providing NMR training to new students and postdoctoral researchers, taking into consideration their varying needs and diverse research efforts, and evaluating users' capability to use the instruments. He/She will also contribute to maintaining written tutorials and guides for students, post-docs and faculty.
4. Performing minor repairs to the NMR instruments, and will help troubleshoot common instrument problems. He/She is expected to come in on some nights and weekends for troubleshooting and repair as needed. The incumbent will also coordinate efforts with individuals or vendors to arrange for repairs to equipment if such repairs cannot be accomplished in-house. A concurrent responsibility is the ordering of appropriate electronic, computer and consumable products.

Required Qualifications

1. Ph.D. degree in the Sciences, Engineering, or equivalent experience;
2. Proficiency in operating Bruker NMR instruments;
3. Proficiency in solid-state NMR;
4. Excellent problem solving skills;
5. Excellent computer skills;
6. Excellent written and oral communication skills;
7. It is desirable for the candidate to have proficiency with:
 - a. Liquid-state NMR;
 - b. UNIX operating systems, including basic system administration;
 - c. HTML or website maintenance in general.

Salary & Benefits

Salary range for post-doctoral scholars at UC Berkeley starts at \$48,216 and is commensurate with experience. The university offers excellent health insurance and benefits. Detailed information for salary and benefits can be found at <http://www.ucop.edu/academic-personnel-programs/compensation/salary-scale-revisions.html> and <http://vspa.berkeley.edu/postdoc-health-insurance-and-benefits>, respectively.

Start Date

July 1st, 2017 or as soon as possible after July 1st, 2017.

Applications

Candidates interested in the position should send a CV, and a cover letter to hcelik@berkeley.edu. Facility director, Hasan Celik, will attend ENC 2017 in Asilomar – you can contact him to arrange a meeting to discuss the advertised position.