

Scripps Research

RESEARCH ASSISTANT I - NMR Core

Job Details

Description

ABOUT US: Scripps Research is ranked the most influential institution in the world for its impact on innovation. We expand basic knowledge in the biosciences and use these fundamental advancements to develop profound innovations that improve wellbeing. Our educational and training programs mold talented and committed students and postdocs into leading edge scientists. Scientists in the institute's five academic research departments work hand-in-hand with researchers of the Scripps Research Translational Institute and Calibr to merge foundational studies in biology, chemistry and computer science with translational science to produce pioneering drugs and advances in digital and precision medicine. Together, we cultivate new scientific leaders and expand the frontiers of knowledge to deliver medical breakthroughs to better human health around the globe. If you have a passion for making a difference, this could be your opportunity to join our transformative team.

POSITION TITLE: Research Assistant I-Pasternack Lab

POSITION SUMMARY:

The research assistant will participate in the daily operations of the NMR Core Facility. The NMR core facility currently has six high resolution NMR spectrometers: two AVIII HD 600 NMRs, both equipped with CryoProbes, AV NEO 500 equipped with BBFO Smart probe, AV III 400 equipped with BBFO probe, AV NEO 399 equipped with BBFO Smart probe, and JNM-ECZ400 equipped with 5mm Royal Probe. Four of the six spectrometers are also equipped with sample changers. The NMR staff members are responsible for all routine maintenance on all spectrometers, software updates, NMR data archiving, cryogenic service to all spectrometers, as well as other related third-party software for off-line data processing and NMR time scheduling.

The NMR Core Facility is an open access facility serving over 250 researchers from 26 research groups within Scripps Research. The research assistant is responsible for

training researchers in the proper use of the NMR spectrometers in the Core Facility, assisting/advising users in advanced NMR methods for their research projects, and ensuring that the facility's research support capabilities are maintained in an optimal state.

RESPONSIBILITIES AND DUTIES:

- Train new NMR facility users in the spectrometers' operation
- Assist users in assessing their experimental needs; acts as a resource by fielding questions and offering instrument training and expert guidance in available methods.
- Perform more advanced experiments not available as a self-service option to users.
- Perform routine spectrometer maintenance, cryogen fills and instrument repairs.
- Perform computer maintenance and data archiving.

REQUIREMENTS:

- Requires a Master's degree in relevant field or Bachelor's degree with 2-3 years' experience in NMR Spectroscopy or an equivalent combination of education, training and/or experience from which comparable knowledge, skill and abilities have been attained.
- Keen interest in small molecule NMR spectroscopy
- Demonstrated ability to teach and train others
- Ability to effectively organize own time, and that of others, to accommodate user needs and be responsive to the user base in both a timely and equitable manner
- Excellent experimental design and data analysis skills
- Excellent interpersonal, verbal, and written communication skills.
- Ability to communicate with a diverse array of people from a wide variety of cultural and educational backgrounds, individually or in groups
- Excellent computer skills

PHYSICAL REQUIREMENTS:

- This position works in a laboratory.
- Details of established essential functions for this position will be addressed/discussed during the interview process.

COMPENSATION: Salary is commensurate with experience.

The above statements describe the level of work performed and expected in general terms. The statements are not intended to list all the responsibilities, duties and/or skills

required of employees so classified, and the content herein is subject to change due to the business needs of Scripps Research, with or without notice. Furthermore, nothing in this job description shall be interpreted to be in conflict with or to eliminate or modify in any way the employment-at-will status of Scripps Research staff.

EEO STATEMENT:

The Scripps Research Institute is an Equal Opportunity Employer. We promote diversity of thought, culture and background in the fields of science. All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other legally protected characteristic or status. Underrepresented individuals are encouraged to apply.

COVID-19 UPDATE:

The safety and well-being of our candidates, our people and their families continues to be a top priority. Until restrictions change, interviews will be conducted virtually.