



KAUST Seeks EPR/NMR Scientist at Imaging and Characterization Core Lab

King Abdullah University of Science and Technology is an international graduate-level, merit-based research university located on the shores of the Red Sea in Saudi Arabia. Our state-of-the-art campus, globally renowned faculty and brand new facilities come together to provide the ideal setting for significant, high-impact research. KAUST is dedicated to inspiring a new age of scientific achievement in the Kingdom that will also benefit the region and the world.

Key responsibilities include:

- Provide applications support, user training, and sample service on continuous wave (CW) and pulsed EPR (Electron Paramagnetic Resonance) spectroscopy.
- Engage in KAUST collaborative research projects that demand advanced EPR/NMR techniques and make impact to KAUST research.
- Develop new EPR/NMR methods to meet the EPR and NMR characterization challenge in a multi-user environment
- Provide secondary applications support and sample service on DNP (Dynamic Nuclear Polarization) NMR spectroscopy.
- Instrument management of EPR (CW and pulsed EPR) and DNP NMR spectrometers to keep them performing at cutting-edge capabilities.
- Conduct maintenance and troubleshooting of EPR and DNP NMR instruments to ensure high instrument uptime at optimal performance.
- Work with vendor support team to speed up the trouble shooting and problem solving process.

To be successful within this role you must have:

- Expertise in EPR (CW and pulsed) with NMR experience. Experience with solid state NMR or DNP NMR spectroscopy is a plus.
- Experience on computation and simulation of EPR spectra.
- Hands-on experience on Bruker EPR and NMR system software and hardware.
- Able to independently perform NMR/EPR trouble shooting on probes and consoles.
- A dedicated and results-oriented team player.
- Ph.D degree degree in EPR and/or solid state NMR applied to material science and/or structural biology.
- Minimum 3 years of relevant working experience (Ph.D project EPR/NMR experience counted).

In addition to world class facilities and living conditions, you will be remunerated with a highly competitive package and the opportunity to work within an ambitious and growing University.

To be considered for this exciting role, please visit our website www.kaust.edu.sa and apply directly through the careers page.

Imaging and Characterization Core Facilities:

Dedicated to providing the instrumentation, technical expertise, and team-teaching environment to stimulate collaborative research, the facility is a multidisciplinary laboratory that supports research across many different departments within KAUST. The laboratory supports not only materials and device research in physics, electrical engineering, mechanical engineering, chemistry and biology, but also facilitates research interaction and collaboration between the physical, chemical, biological and medical disciplines.