

OPPORTUNITIES

TO LIVE, WORK, AND STUDY AT KAUST

Staff Scientist - Electron Microscopy

The KAUST Core Labs is seeking a highly motivated transmission electron microscopy (TEM) scientist to work in our state-of-the-art Imaging and Characterization Core Lab (IAC) electron microscopy (EM) facility. The scientist will play a key role in providing technical expertise and support to the research community and will be working in a highly collaborative and multi-cultural environment.

The successful candidate will be part of a team of scientists and specialists in the EM unit, and will fulfill a multitude of laboratory and university-related tasks. The scientist will serve the IAC mission to support research at KAUST and the region by providing advanced techniques and expertise in TEM within a user-driven environment. He/she must have a strong background in advanced monochromated and spherical aberration corrected analytical TEM, high resolution TEM imaging and simulation, and/or electron crystallography.

The candidate will be the primary contact for the facility users and students. He/she will be involved in providing EM training and consultation. Therefore, good communication skills and approachability are key attributes. The candidate is expected to keep abreast of current scientific developments in the field, and must be able to work under strict deadlines.

Major Responsibilities

- Apply advanced TEM techniques (Cs-corrected TEM/STEM, Monochromated TEM/STEM, HRTEM/STEM simulation, electron crystallography, and or scripting) to solve challenging scientific problems
- Develop new TEM techniques/methodologies/analytical protocols to meet the challenges in a multi-user environment
- Provide TEM training to researchers, students, and other lab staff
- Engage in KAUST research projects that require advanced EM techniques

Qualifications & Competencies

- Ph.D. degree in materials science, physics, or a related discipline with a solid background in electron microscopy
- Minimum 3 years of relevant working experience, or Ph.D. work focusing on TEM
- Expertise in Cs-corrected TEM, Monochromated TEM, electron crystallography, HR-TEM/STEM simulation, or Digital Micrograph Scripting (or electron microscopy-related programming)
- Excellent written and oral communication skills in English

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About King Abdullah University of Science and Technology

King Abdullah University of Science and Technology (KAUST) is a graduate-level research university located on the shores of the Red Sea. Our students, faculty, scientists, and engineers are addressing some of the world's most pressing challenges related to food, water, energy, and the environment. KAUST employees enjoy exceptional packages, including competitive salaries and relocation allowances, fully furnished on-campus accommodation, and comprehensive health insurance coverage.

KAUST also provides international schools (IB program) and a wide variety of recreation facilities.

The Core Labs at KAUST are a shared research facility comprised of 11 laboratories run by over 210 staff, with a mission to provide state-of-the-art facilities, training, and services to KAUST students, faculty, researchers, their collaborators, and industrial partners. This centrally organized facility provides its 1500+ users with access to specialized research equipment and expert staff who have advanced degrees in science and engineering.



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