

OPPORTUNITIES

TO LIVE, WORK, & STUDY AT KAUST

Solid Phase Characterization

Technical Specialist

The KAUST Core Labs is seeking a highly motivated analytical chemist to join the Solid State team in our state-of-the-art Analytical Chemistry Core Lab (ACL). In addition to Solid State, the lab also houses cutting-edge technologies in the disciplines of organics, inorganics and metabolomics.

The incumbent must have expertise in the analysis of solid/powder samples by using physisorption, chemisorption, water sorption, mercury porosimetry, surface tension, contact angle, zetasizer and molecular spectrometers.

The specialist is expected to keep abreast of current scientific developments in the field in order to be able to train and provide technical support to other team members and facility users. ACL is service and support oriented; therefore, it is important that the successful candidate meets deadlines and works effectively both independently and in collaboration with team members, lab users, and service providers.



Major Responsibilities

- Work in a team of scientists to conduct both routine and custom research-grade analyses for different clients, guided by the Team Lead and ACL management.
- Provide technical support and train users, including KAUST researchers and external partners in the solid/powder characterization techniques.
- Independently perform high quality routine analyses, including sample preparation, instrumental analysis, and reporting.

Participate in developing and implementing instrumental analytical method.

- Ensure good laboratory practice and safety in the work area at all times.
- Ensure maintenance status and maximum uptime of instruments.



Qualifications & Competencies

- Bachelor of Science/Engineering in chemistry, materials science or a related field with strong fundamental knowledge of FTIR, UV-VIS-NIR, Fluorescence, and Surface Analysis techniques (BET, dynamic/static Chemisorption, zetasizer) or Master of Science/Engineering (preferred).
- At least 2 to 3 years of experience with fundamental knowledge and experience in surface analysis and molecular spectroscopy characterization techniques using state of the art instrumentation.
- Experience in FTIR, UV-VIS-NIR, Fluorescence, and Surface Analysis techniques (BET, dynamic/static Chemisorption, zetasizer) is preferred.
- Excellent written and oral communication skills in English.
- Strong problem solving skills.



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APPLY NOW >>



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Learn more about KAUST:
www.kaust.edu.sa

Learn more about Core Labs:
Corelabs.kaust.edu.sa



About King Abdullah University of Science and Technology

Founded in 2009, King Abdullah University of Science and Technology (KAUST) is a top-ranking graduate research university located on the shores of the Red Sea in Saudi Arabia. The University is dedicated to solving global challenges in the areas of food, water, energy, the environment, health and digital. 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 is a shared research facility comprised of 12 laboratories run by over 240 staff. Its mandate is to promote the scientific ambitions of KAUST and Saudi Arabia by stewarding and developing state-of-the-art facilities and technical expertise and delivering research support, training, collaboration and services to KAUST faculty, students, researchers and partners.