

# OPPORTUNITIES

TO LIVE, WORK, & STUDY AT KAUST

## Organic Characterization

### Staff Scientist

The KAUST Core Labs is seeking a highly motivated analytical chemist with a solid background in chromatographic separation and high resolution mass spectrometry to join the Organics team in our state-of-the-art Analytical Chemistry Core Lab (ACL).

The scientist will support the characterization of polymers, small organic compounds and fuels in complex matrices using a wide range of analytical techniques, related sample preparation, statistical analysis and data interpretation.

The successful candidate 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

- Apply advanced analytical techniques (HT-GPC, MALDI-TOF, GCXGC-TOF, UHPLC-QTOF, GC-MS/MS, GC-FID/SCD/NCD, GPC) to solve challenging scientific problems.
- Develop and validate new instrumental analytical methods for polymer characterization studies to meet the challenges in a multi-user environment.
- Provide training and technical support to staff and lab users including KAUST researchers, students, external collaborators and industry users in his/her main area of expertise.
- Engage in KAUST research projects in the area of polymer characterization, fuels, lubricants and that require gel permeation chromatography, chromatographic separation and advanced high resolution mass spectrometry.
- Manage major analytical projects for internal and external clients



### Qualifications & Competencies

- PhD in analytical chemistry, chemical engineering, environmental science or a related field with strong fundamental knowledge of organic analytical chemistry.
- At least 2 to 3 years of experience with in-depth operational knowledge and experience in characterization of polymers, small organic compounds, fuels and lubricants using state of the art instrumentation.
- Demonstrable experience with a wide range of chromatographic and spectroscopic techniques, and related sample preparation.
- Extensive and diverse experience in designing and optimizing experimental methods to fit specific needs of the facility users.
- Experience in HT-GPC, GCXGC TOF-MS, GC-MS-MS data analysis is preferred.
- Strong problem solving skills.
- Excellent written and oral communication skills in English.



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**APPLY NOW >>**



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Learn more about KAUST:  
[www.kaust.edu.sa](http://www.kaust.edu.sa)

Learn more about Core Labs:  
[Corelabs.kaust.edu.sa](http://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.