

# OPPORTUNITIES

TO LIVE, WORK AND STUDY AT KAUST

## Metabolomics

### Staff Scientist

The KAUST Analytical Chemistry Core Lab (ACL) is seeking a highly motivated analytical chemist with a solid background in high resolution mass spectrometry to support targeted and untargeted metabolomics / lipidomics sample analysis in complex biological matrices. The scientist will be part of a state-of-the-art laboratory using a wide range of analytical techniques, related sample preparation workflows, statistical analysis and data interpretation.

The successful candidate will be in charge of operating highly specialized high resolution mass spectrometers and of developing cutting-edge methods, workflows and applications. He/she must have extensive and diverse experience in designing and optimizing experimental methods to fit specific needs of the facility users.

The scientist 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 (UHPLC-MS/MS, GC-MS/MS, UHPLC-tims TOF, UHPLC-QTOF, UHPLC-Orbitrap ID-X Tribrid MS and GC Orbitrap Exploris 240 MS) to solve challenging scientific problems.
- Develop and validate new instrumental analytical methods for targeted and untargeted metabolomics 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 metabolomics and lipidomics that require advanced high resolution mass spectrometry techniques.
- Manage major analytical projects for internal and external clients.



### Qualifications & Competencies

- PhD in science/engineering in chemistry, biochemistry or a related field with demonstrated relevant expertise
- At least 3 years of intensive experience in small molecules mass spectrometry support with a focus on identification of biomarkers, metabolites and lipids
- Demonstrable experience with a wide range of chromatographic and spectroscopic techniques, and related sample preparation
- Experience in ion mobility-MS, metabolomics flux analysis, data analysis using R and Python programming is preferred
- Strong problem solving skills
- Excellent written and oral communication skills in English



[maan.amad@kaust.edu.sa](mailto:maan.amad@kaust.edu.sa)

[brendan.phelan@kaust.edu.sa](mailto:brendan.phelan@kaust.edu.sa)

**APPLY NOW >>**



جامعة الملك عبد الله  
للعلوم والتقنية  
King Abdullah University of  
Science and Technology

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.