

# OPPORTUNITIES

TO LIVE, WORK, & STUDY AT KAUST

## Physical Characterization

### Senior Staff Scientist

The Imaging and Characterization Core Lab of King Abdullah University of Science and Technology is looking for highly skillful microscopists to join its state-of-the-art electron microscopy facility and conduct cutting-edge microscopy characterization to support KAUST research and education.

Lead the Physical Characterization Unit to serve the IAC mission to support research and education at KAUST and regionally by providing state-of-the-art instrumentation and training to users.

Lead the Unit to facilitate high impact KAUST research and KAUST's effort in promoting the economic growth of Saudi Arabia through building up first-class expertise. Lead the Unit to achieve the yearly objectives of the Unit agreed upon with the Lab director.



## Major Responsibilities

- Serve as the Lead for the Physical Characterization Unit. Develop, implement and supervise standard operating procedures for XRD, Raman, electrical probing station and other equipment in the lab.
- Lead the Unit to meet the annual key performance indicators (KPIs) agreed upon with Core Labs management in all areas, including, but not limited to equipment uptime, budget compliance, recruitment and asset management.
- Strategically plan the resources to keep the instrument at the cutting-edge in areas strategically important to KAUST.
- Creates opportunities to enhance technical methodology or content through expansion of existing methods or development of new methods, which may extend technology into new application areas; the outcome should be visible and impactful in peer community.
- Lead and contribute to major intellectual development activities.
- Plan and execute outreach activities to benefit Saudi Arabia
- Supervise a team of scientists and engineers through setting up yearly performance goals to motivate them to achieve excellence in both operation and high impact research support.
- Identify technical training needs for staff attached to the area and design staff development plan
- Cultivate a safe-lab environment culture and ensure a safe working environment.
- Build up and maintain good relationship with stake holders



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## Person Requirements

### Competencies:

- Demonstrable capability in managing a team of scientists with diversified technical and cultural background.
- Demonstrable expertise in X-ray diffraction, Raman and/or related fields; strong theoretical background and hands-on experience in one of the aforementioned areas.
- Good communication/interpersonal skills and capability to build up good relationship with staff, supervisor and major stake holders.
- Execution capability demonstrated in major project accomplishment.
- Excellent written and oral communication skills

### Qualifications:

A PhD degree in physics, chemistry, crystallography or materials science.

### Experience:

Minimum 5 years of experience with focus in X-ray diffraction/Single Crystal XRD.



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**APPLY NOW >>**



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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.