

# OPPORTUNITIES

## TO LIVE, WORK, AND STUDY AT KAUST

### Lead Staff Scientist - Optical Microscopy

The KAUST Core Labs is seeking a highly motivated lead staff scientist to work in our state-of-the-art Imaging and Characterization Core Lab (IAC) optical microscopy (OM) facility.

The successful candidate will lead the OM unit to serve the IAC mission of supporting research and education at KAUST and throughout the region by providing access and training on state-of-the-art OM instrumentation to users. As part of this endeavor, the candidate will work with stakeholders to keep the OM instrumentation at the cutting-edge in areas strategically important to KAUST. The scientist will also facilitate high impact research at KAUST and promote economic growth in Saudi Arabia by fostering first-class OM expertise.

This position 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 candidate is expected to keep abreast of current scientific developments in the field, and must be able to work under strict deadlines.

#### Major Responsibilities

- Develop, implement, and supervise standard operating procedures for confocal microscopy, multiphoton microscopy, super resolution microscopy, live cell imaging, light sheet microscopy, FLIM, conventional/AI confocal image processing, and biological sample preparation
- Meet annual key performance indicators (KPIs), including but not limited to equipment uptime, budget compliance, recruitment, and asset management
- Contribute to major intellectual development activities, such as enhancing technical methodology or content by expanding existing methods or developing new methods that impact the microscopy research community
- Supervise a team of scientists, identify their technical training needs, and design staff development plans
- Cultivate a strong safety culture to ensure a safe working environment

#### Qualifications & Competencies

- Ph.D. degree and at least 5 years of experience, preferably in biological science or biomedical engineering
- Expertise and strong theoretical background in advanced fluorescence microscopy and related optical microscopy fields, such as STED, STORM, PALM, SIM, Lattice Light Sheet, Digital Lattice Sheet, FLIM, etc.
- Good interpersonal skills and ability to build relationships with staff, supervisors, and major stakeholders
- Excellent written and oral communication skills in English

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### 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.



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King Abdullah University of  
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