

OPPORTUNITIES

TO LIVE, WORK, & STUDY AT KAUST

Bioscience Core Lab

Staff Scientist - FACS and Single Cell Genomics

The Bioscience Core Lab (BCL) at King Abdullah University of Science and Technology (KAUST) is seeking a highly motivated staff scientist to manage flow cytometry and single cell genomics projects in our core facility. The scientist in this role provides scientific and operational expertise to advise and conduct experiments to support related research generated from KAUST laboratories and other partners.

The successful candidate will be part of a highly-skilled team that operates advanced and specialized instruments (including Bigfoot Spectral Cell Sorter, BD LSRFortessa Cell Analyzer, 10X Chromium, NovaSeq6000, MiSeq, Biomek i7, etc) and will participate in developing multiomics methods and applications. They must enjoy learning, training, teaching and working with core facility users in a team environment.



Major Responsibilities

- Design, execute and analyze multi-colour flow cytometry and single-cell experiments.
- Create, optimize, standardize and streamline flow cytometry and single-cell methods for various sample types and assays.
- Operate, maintain and troubleshoot sophisticated instruments.
- Identify, adapt and apply novel techniques and protocols from the scientific community and literature.
- Support the planning, designing and performance of cell-based bioassays for research projects in consultation with faculty and users.
- Assist users in understanding the technology and advise them on experimental design, sample preparation, cytometer settings, data acquisition and analysis.



Person Requirements

- PhD in molecular biology, genetics, biochemistry, or similar field. At least 2 years of experience working with FACS.
- Demonstrated expertise, hands-on proficiency and deep understanding of flow cytometry, especially cell sorting.
- Knowledge of spectral flow cytometry instrumentation and FlowJo analytical software.
- Experience with diverse non-human sample types (e.g. environmental samples) is a plus.
- Strong background in molecular and cell biology with technical competencies in performing cell-based assays.
- Knowledge of Next Generation Sequencing principles and workflows with particular emphasis on Illumina platforms.
- Familiarity with working in a Biosafety Level 2 environment.



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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.