

OPPORTUNITIES

TO LIVE, WORK, & STUDY AT KAUST

Sanger Sequencing

Staff Scientist

The scientist ensures the smooth operations of Sanger sequencing at the Bioscience Core Lab (BCL) at KAUST. He/she role will be involved in the day-to-day processing of samples and releasing of data. With assistance of the team lead, the scientist in this role provides guidance and supervision for the Sanger team in managing operations, maintenance of instruments, trouble-shooting and ensuring turnaround time and sequencing quality goals are met.

The scientist will also be communicating daily with users and PIs, procurement and logistics teams, vendors and local distributors among others.



Major Responsibilities

- Process samples for Sanger sequencing from sample receipt, sequencing preparation, and data release.
- Coordinate with technical specialists to deliver Sanger sequencing, and to conduct routine research analysis, lab procedures and run instruments with minimal supervision.
- Assessment and adaptation of new protocols and technologies, if needed. Stay up to date on best practice for techniques and methodologies, and share knowledge with other team members.
- Demonstrate independence and critical thinking in consistently delivering excellent quality data.
- Provide deep technical knowledge on all aspects of Sanger sequencing including the users' preparation of samples, workflow optimization and improvement, analysis of output data, and troubleshooting results.
- Ensure efficient daily operations and provide effective solutions to maximize productivity and impact.
- Communicate effectively with PIs and users about preparation of samples and interpretation of results. Provide advice to users on the best use of the technology for their goals.
- Oversee SOPs, WIs, and other documentation. Show excellence in documentation practice.
- Take responsibility and ownership for tasks (e.g. plan, perform and oversee preventative and corrective maintenance, trouble-shoot and maintain equipment, purchase consumables, meet budget targets, etc.).
- Proactively perform or assign general laboratory duties, administrative- and service-related tasks, procurement work, etc. Contribute to a positive work environment.
- Liaise with vendors, scientific peers and other stakeholders in the best interest of BCL.
- Perform other applicable tasks and duties assigned within the realm of the employee's knowledge, skills and abilities in the field of his/her position.



nicole.cheung@kaust.edu.sa

brendan.phelan@kaust.edu.sa

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للعلوم والتقنية
King Abdullah University of
Science and Technology

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.

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Person Requirements

Competencies:

- Excellent written and oral communication skills, as well as people-managing skills.
- Demonstrated expertise, technical proficiency and deep understanding of sequencing with a strong background in molecular biology, biochemistry or genomics. Working experience in Sanger sequencing is a plus. Bioinformatics ability is a plus.
- Strong scientific and technical problem-solving skills and independent thinking.
- Ability to make operational decisions independently with minimal supervision.
- Solid knowledge and ability to supervise laboratory users to ensure good lab practice and adherence to safety procedure, SOPs, WIs and other documentations.
- Be reliable and responsible. Take ownership of tasks to ensure full completion to required standard with minimal errors and supervision.

- Is meticulous, dynamic and resilient, with proactive personality and positive, growth mindset (scientific curiosity and desire to better oneself). Always look for improvements.
- Good organizational skills. Excel in documentation.
- Ability to work in a team and collaborate with others (open and sharing). Ability to work under pressure.

Qualifications:

- PhD degree in molecular biology, biotechnology, genetics, biochemistry or similar field, or equivalent experience.

Experience:

- At least 2 years of practical experience in nucleic acid-based techniques.
- Demonstrated experience and knowledge in Sanger sequencing and method development is ideal.
- Knowledge of other sequencing methods preferable.
- Experienced and comfortable working with different cultures in an international and multi-disciplinary environment essential.



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