Head of NG Sequencing Core Facility

The Ben-Gurion University (BGU) is seeking a highly qualified and innovative scientist to lead a high-throughput sequencing core facility. This core facility will develop and implement standardized and specialized library preparation protocols, provide sequencing services, support novel method development and advise laboratory personnel in experimental design and analysis. Once this state-of-the-art facility is established, the leading scientist will be expected to develop a sustainable strategic plan, and work with faculty to prioritize future instrumentation and services. The successful applicant will be a visionary leader with significant experience in contemporary high-throughput sequencing technologies and instruments, and in managing research personnel and technical staff. A candidate with prior experience in directing and managing a sequencing core facility is preferred.

**Job Responsibilities**

- Develop, test, implement and evaluate new and creative approaches to meeting core lab and institutional goals.
- Execute advanced next generation sequencing applications such as genomic DNA, ChIP-seq, RNA-seq, small RNA-seq, single cell RNA-seq, ATAC-seq and custom sequencing libraries.
- Collaborate with researchers, external agencies and institutions to develop cooperative research initiatives.
- Guide, involve and train researchers on the use of sequencing applications and data interpretation.
- Follow recent developments in the field, evaluate, adapt and introduce new analytical tools within the facility.
- Work together with the bioinformatics team to develop complete work packages including data analysis.
- Contribute to the smooth running of the Genomics core facility (e.g. ordering, interaction with service engineers).
- Direct personnel efforts in achieving the strategic plan for the facility.

**Required Education and Experience**

- PhD or equivalent in biology or a related field
- Extensive and broad hands-on experience in molecular biology techniques
- Experience in NGS library preparation (mRNA, total RNA, WGS), Library preparation for Single-cell applications (e.g. 10X Genomics)
- Precise documentation skills and experience in writing SOPs (Standard Operating procedures)

**Additional Requirements**

- Proficiency in the use of a wide variety of lab techniques, research equipment and research related software.
- Ability to work on the “bench”.
- Communication, technical, and organizational skills.
- Ability to handle and interpret data.

*For more information and application: forti@bgu.ac.il*