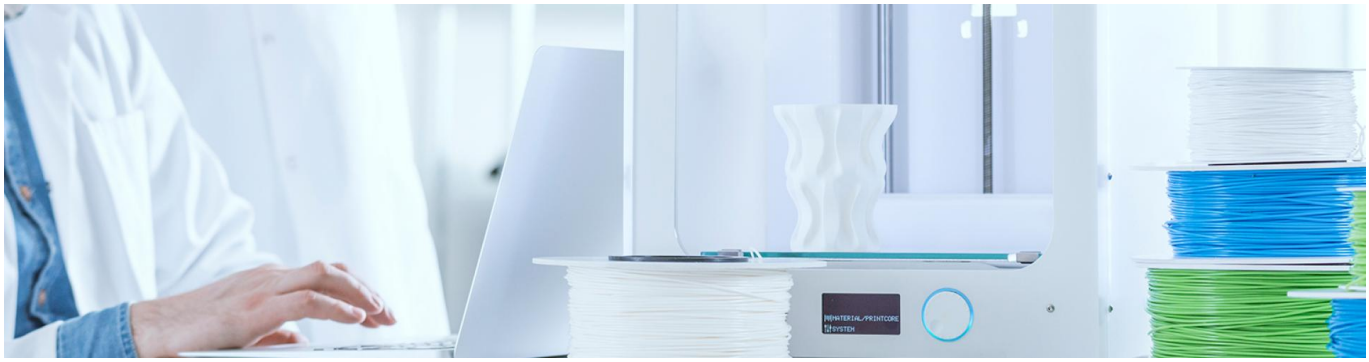


Core Technologies

- Print
- Download PDF

Core Technologies

QBRI is committed to establish state-of-the-art core facilities and acquire technology platforms that will be equipped with cutting-edge technologies to meet the needs of in-depth study of complex biological systems.

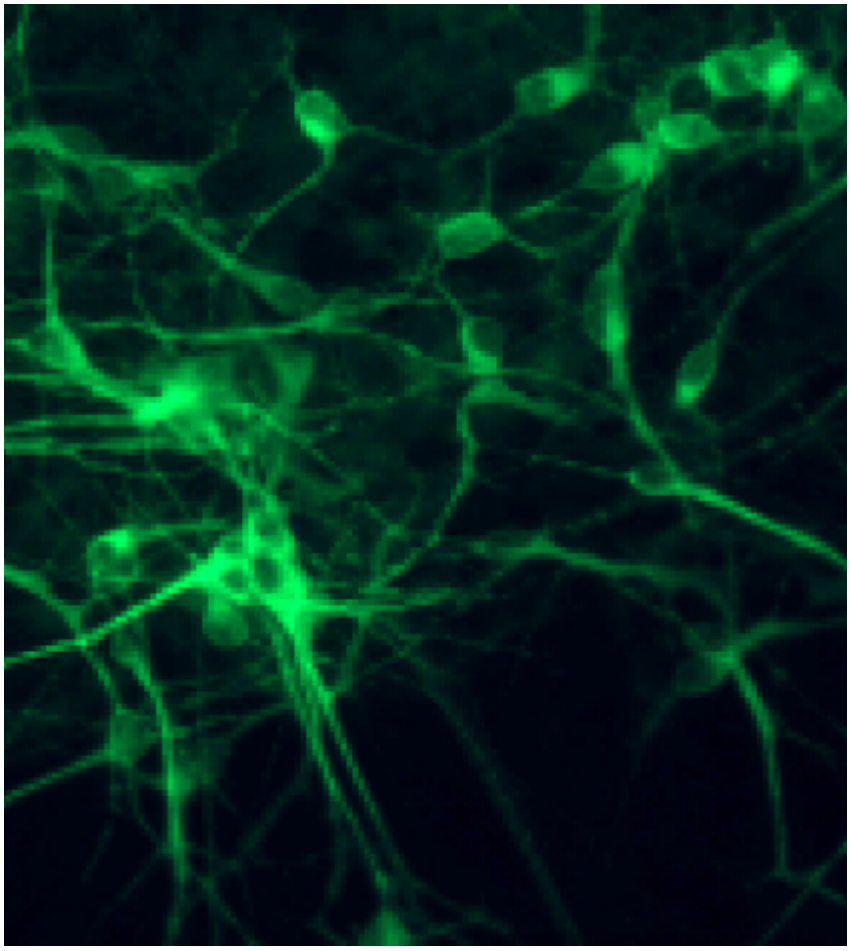
The Qatar Biomedical Research Institute's new wing in the R&D complex will offer specialized core facilities and platform technologies with trained staff whose prime function is to conduct and support high-quality state-of-the-art biomedical research within QBRI and other institutions in Qatar.

QBRI will establish and house 6 core facilities that will provide cutting-edge research resources and services, enabling cutting-edge research projects and facilitating advancement in diagnosing and treatment of human diseases. A significant portion of QBRI new wing labs advanced equipment is under order and a limited number has been delivered to its current, temporary laboratory facility. Additionally, a set of high-end instruments are under consideration for acquisition to complement and maintain technological capabilities.

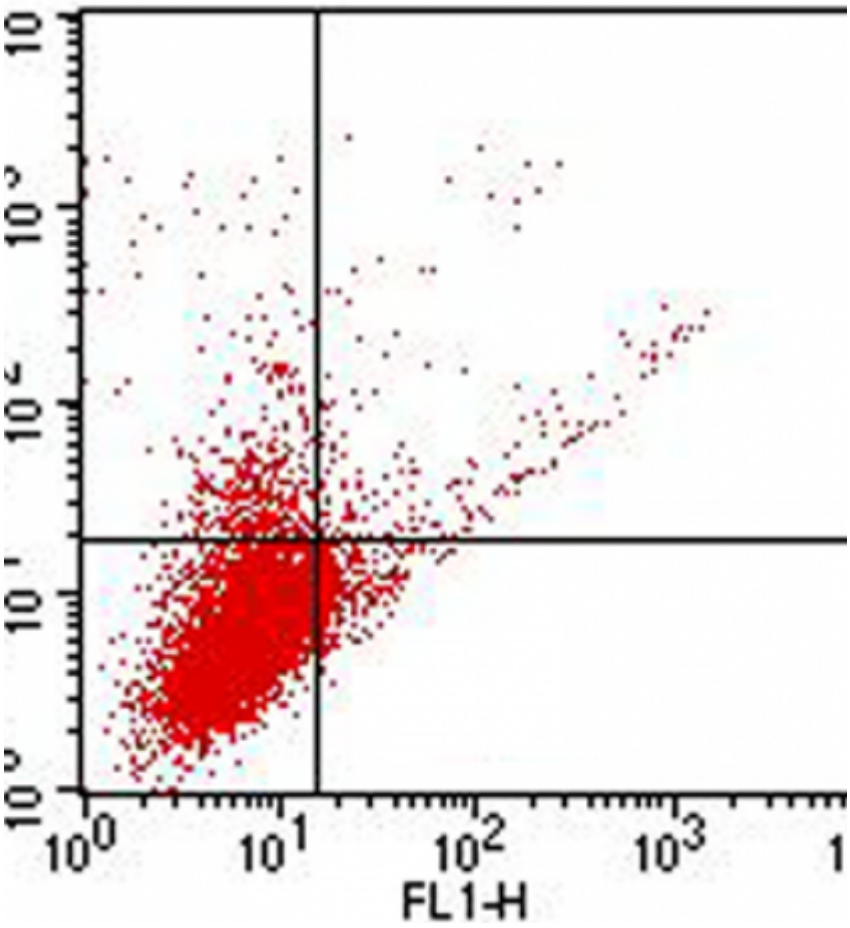
These technology platforms and core facilities are instrumental for the Research and Development activities within our research community through the support of applications for external research funding and project consultation in collaborative relationships. As the health and research needs of the Qatari society and biomedical research community evolve over time, the cores and facilities will periodically evaluate the technology and resource needs of researchers in order to stimulate the growth of new scientific areas and development of novel technologies. In addition, the facilities will offer comprehensive training and fee-for-service technologies.

All facilities will be operated by dedicated personnel, and administered by Ph.D. science managers with extensive experience and proven track record in the area of development and/or application of the relevant technologies. QBRI also aims to work towards the Qatar national strategic goal of capacity building through competitive recruitment of young scientists and well-established faculty members. QBRI will stimulate career development of young international and local Qatari researchers.

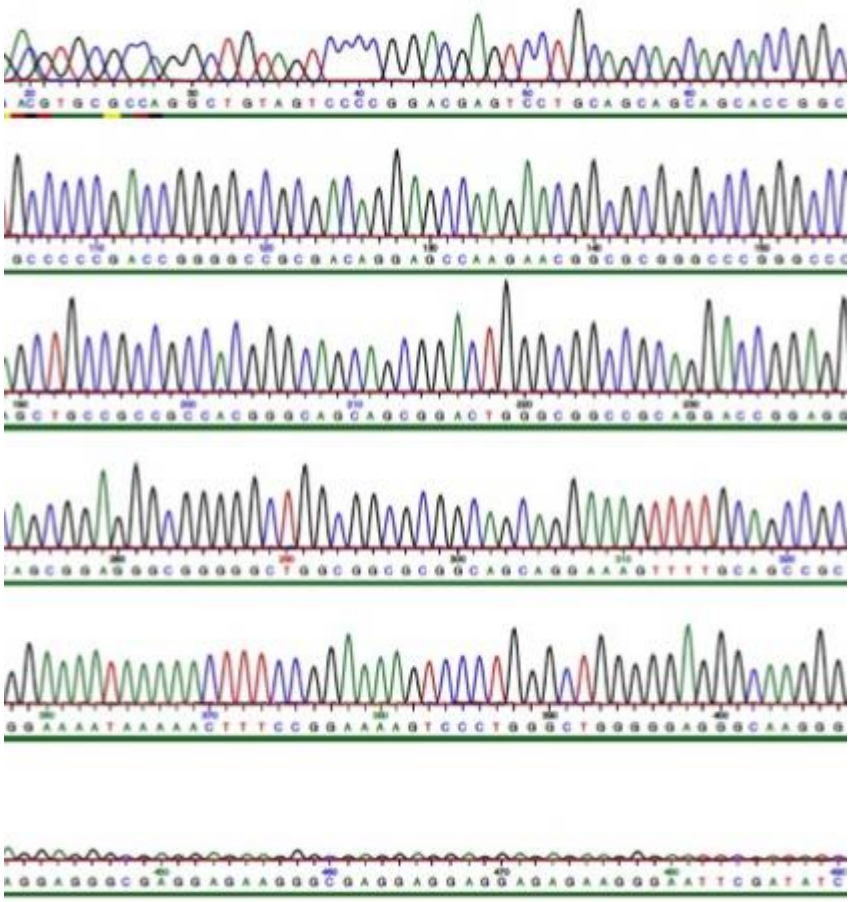
This platform supports a wide range of cellular and molecular biology research, and also serves as vector viral production facility containing all necessary biosafety measures.



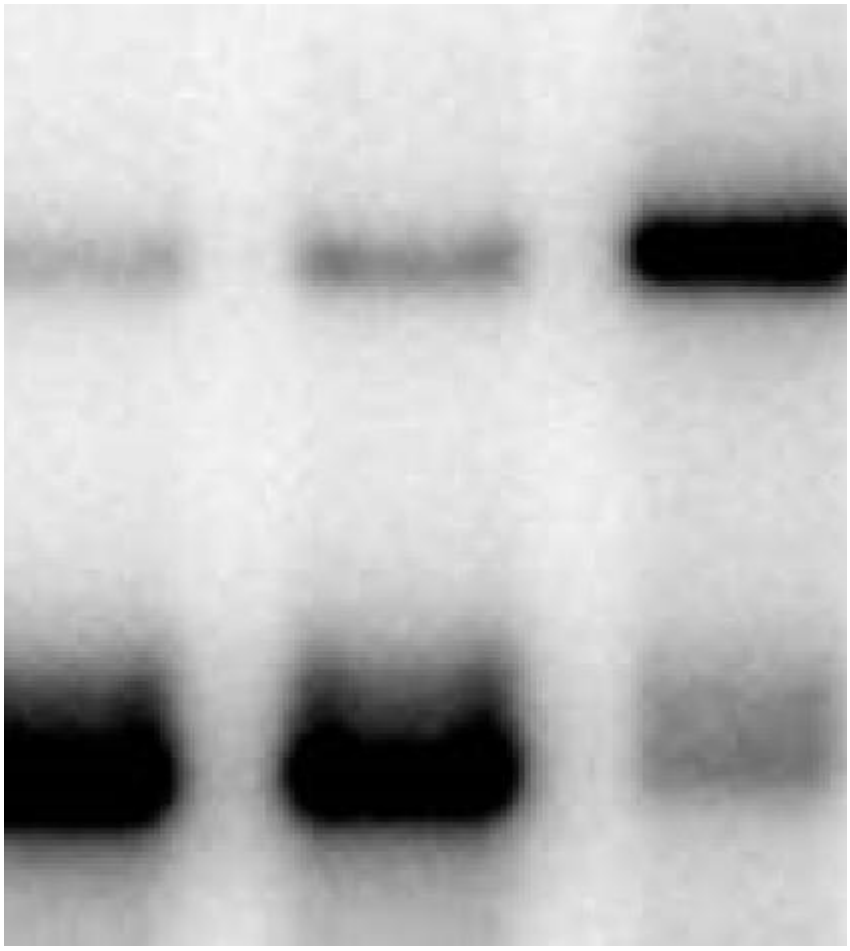
Advanced Microscopy & Imaging



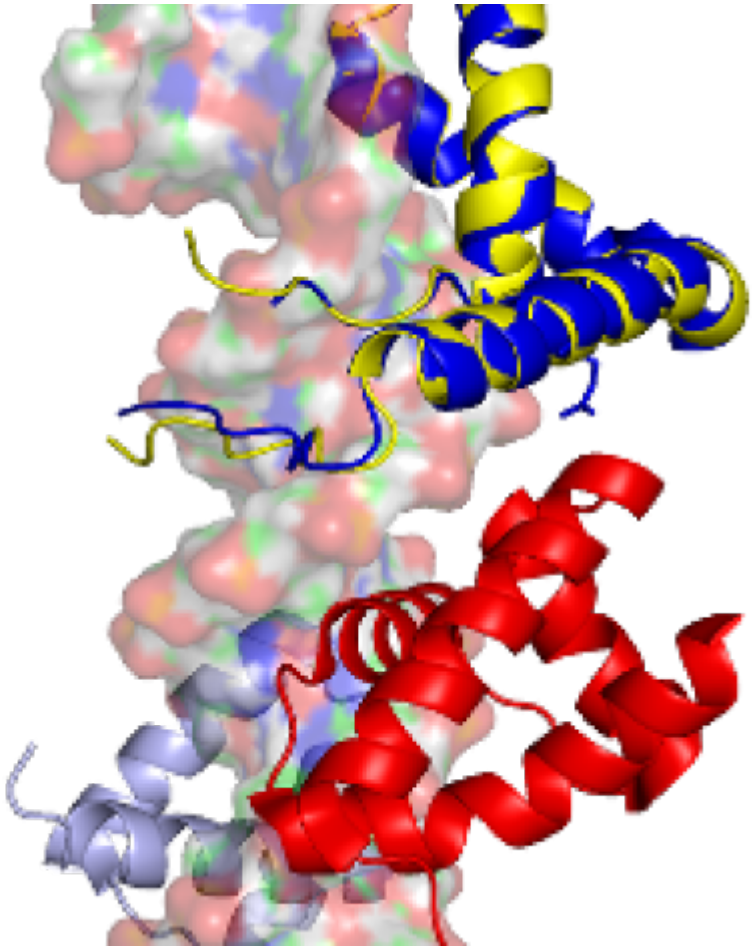
Flow Cytometry



Genomics and Genome Technology



Stem Cell



Protein Biophysics and Structural Biology