

ICLDC Repository- A research platform for development of personalised medicine

H. Daggag, A. Al Tikriti and M. Barakat

ICLDC Repository is a unique initiative for the storage and management of biological samples linked to clinical data, led by and integrated into Imperial College London Diabetes Centre (ICLDC), Abu Dhabi. The general purpose of the repository is to set up a resource that can support a diverse range of research intended to improve prevention, diagnosis and treatment of illness, and promotion of health throughout the UAE society. The added benefits of the repository are reflected in the collection of samples and data for genetic analysis. Studying the genetic variation of the UAE population will enable the individualization of healthcare and contribute to disease identification, tailoring therapies and disease management strategies specific for this region.

ICLDC Repository undoubtedly represents a uniquely rich resource for investigating the relevance of a wide range of exposures to various health-related outcomes. More specifically, research conducted using ICLDC Repository genetic samples will facilitate the study of genetic variation that influence individual response to drugs.

ICLDC Repository is a newly developed concept in the UAE, with undeniable scientific value that can be extracted from such facility. The necessity for a better genetic understanding of the Emirati population is growing by the day and facilities such as ICLDC Repository will prove to be vital in accomplishing such an endeavor.