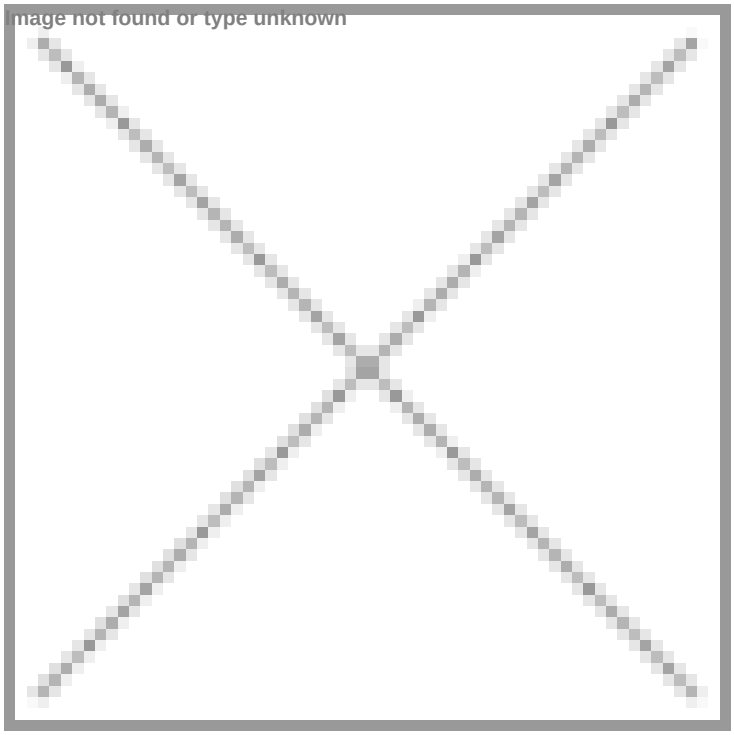
BioSpectrum
the business of Bio & Health Sciences
ASIA EDITION

Metabolon partners with China Kadoorie Biobank to advance precision health

12 September 2025 | News

To examine how lifestyle, environmental, socioeconomic, and genetic factors play a significant role in shaping common diseases



US-based Metabolon, Inc., the global leader in providing metabolomics solutions advancing a wide variety of life science research, diagnostic, therapeutic development, and precision medicine applications, has been chosen by the China Kadoorie Biobank (CKB) to profile plasma metabolomics biomarkers, using Metabolon's Global Discovery Panel™.

CKB is one of the world's largest and most comprehensive cohort studies to examine how lifestyle, environmental, genetic, and socioeconomic factors play a significant role in shaping common diseases. CKB is a long-term collaborative project established during 2004-08 between the University of Oxford and various partners in China, including Peking University.

Historically, clinical trials and population health studies have focused on white European participants, neglecting the diversity of other racial and ethnic groups. This partnership addresses the need to study underrepresented ethnic groups to improve our understanding of health and disease and will generate robust evidence on the lifestyle, environmental, and genetic factors influencing a wide range of common diseases. The insights gained from this study will be instrumental in advancing global efforts in disease prevention, risk prediction, and treatment.

Initially, the assay will cover 4000 samples that will be linked to other available multiomics data, such as genotyping and proteomics. "We are excited by the opportunity for novel discovery by Metabolon's Global Discovery Panel™, which is uniquely suited to help address many unanswered and complex research questions about the etiology of common diseases,"

said Zhengming Chen, Richard Peto Professor of Epidemiology from Oxford Population Health. "The study will provide critical evidence to inform future scaling up of metabolomics assays in CKB and other large cohort studies in diverse populations, which may eventually lead to more tailored approaches to the prevention and treatment of different diseases."