

SHARED ANALYTICS

ADVANCING SCIENCE THROUGH DATA

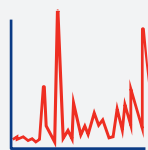
SIFBI's Shared Analytics capability group provides essential in-house analytical measurement support that is integral for industry collaboration and interdisciplinary work. It is equipped with state-of-the-art technologies and cutting-edge analytical facilities, enabling a broad range of physical and chemical detection, identification, characterisation, quantification and specialised analysis to be carried out through this enabler platform.

Our highly versatile workflows include targeted and untargeted analysis in rapid chemical dereplication, differential analysis, metabolomics/lipidomics, large-scale purification/enrichment of complex samples, structure elucidation of bioactive molecules, compound quantification, standardisation, sensomics and process analytical technology. Through computational biology and omics sciences, large datasets can be analysed to investigate and predict optimal experimental outcomes in a time- and cost-efficient manner.

Capabilities



Analytical
Chemistry and
Purification Science



Analytical
Development
(LC/GC with UV/MS)

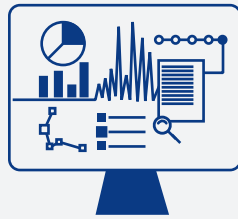


Sensomics



Data Analysis
and Modelling
(Process Analytical
Technology)

Our Differentiating Factor — Extensive and Rapid Analytics



Supporting in-house R&D activities on:



Analytical
Development



Food and
Chemical Safety



Volatile
Fragrance



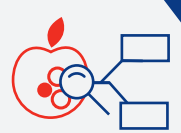
Flavour
Metabolites



Bioprocessing
Development



Inline
Monitoring



Food Quality
Profiling

Experiential Journey

Analysis for Optimal R&D Outcomes

Food and ingredient development for human health, wellness and quality of life belongs to a complex interdisciplinary field. The demanding and unique needs of applications in areas relating to nutrition, biotechnology, and sustainability have challenged analytical science to deliver novel, precise and rapid solutions. Subject matter experts increasingly need to complete the analytical thread across all levels — such as handling of complex compounds for analyses, identification, purification and structure elucidation — to provide insights on the challenging path of food innovation.



At Agilent, we understand that a solution is more than an innovative scientific measurement. We believe that a customer-centric focus is the key to assembling the right combination of instruments, consumables, software and services to deliver an answer you can trust. Agilent also believes that innovation and development come from collaborations and we emphasise the importance of choosing the right partners and collaborators to foster innovation. Therefore, we are confident that our partnership with the Singapore Institute of Food and Biotechnology Innovation will enable us to develop suitable analytical methods to fulfil our organisational goals."

Dr Vimala Sreenivasan, Associate VP and Singapore Site General Manager,
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