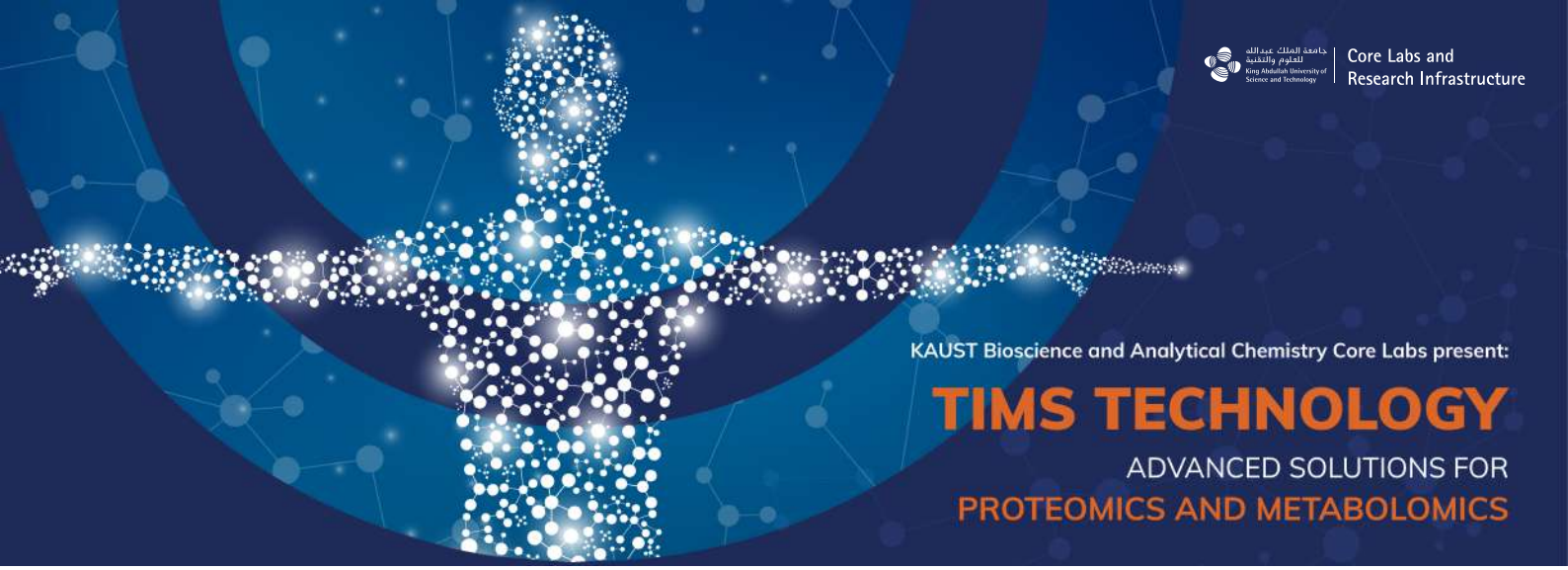


The KAUST Bioscience Core Lab (BCL), Analytical Chemistry Core Lab (ACL) and Bruker Daltonics

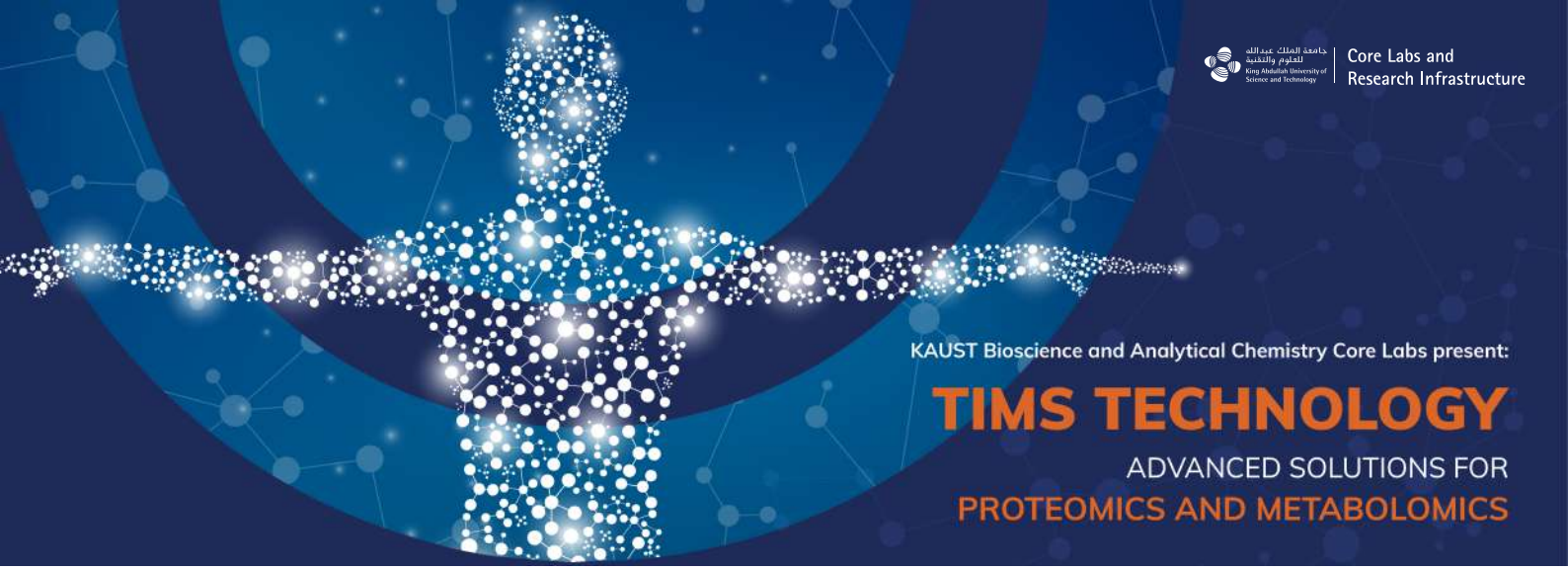
are jointly organizing a symposium to introduce the trapped ion mobility spectrometry (TIMS) technology applicable in the fields of proteomics and metabolomics profiling. Leading experts in the field will show how this technology enables scientific advancements in a wide range of applications: from understanding fundamental mechanisms in cell biology to highly multiplexed absolute quantitation in a clinical lab.

The TIMS technology is the latest addition to the fleet of research instruments in the Core Labs. The symposium will provide an opportunity to explore the potential of utilizing this advanced technology in addressing some of the most challenging and unmet needs in KAUST's translational research.

This event is open to all students, staff, faculty and KAUST collaborators.

For those interested in attending, please use the link here

For any questions, please contact:
proteomics.core@kaust.edu.sa (BCL)
acl.metabolomics@kaust.edu.sa (ACL)



PROGRAM

SEPTEMBER 1

10:15 - 10:35 AST

Welcome including short introduction of BCL
Heiko Langner, Ph.D., Facilities Director, KAUST
Nicole Cheung, Ph.D., Director of BCL, KAUST

10:35 - 10:50 AST

Pierre-Olivier Schmit, Bruker Daltonics
Next generation mass spectrometry for OMICS

10:50 - 11:10 AST

Dalila Bensaddek, Ph.D., Bioscience Core Lab, KAUST
I am a biologist, what can proteomics do for me?

11:10 - 11:50 AST

Prof. Dr. Gunnar Dittmar, Luxembourg Institute of Health
timsTOF Pro in a clinical research lab: application of highly multiplexed targeted proteomics method for absolute quantitation of 500 proteins in colon cancer plasma samples

11:50 - 12:30 AST

Pierre-Olivier Schmit, Bruker Daltonics
Trends in Proteomics: High-throughput for clinical research, single cell proteomics

15:15 - 15:30 AST

Welcome including short introduction of ACL
Maan Amad, Ph.D., Director of ACL, KAUST

15:30 - 16:10 AST

Dr. Sven Meyer, Bruker Daltonics
Current Trends in 4D-Metabolomics and -Lipidomics

16:10 - 16:30 AST

Assist. Prof. Carlo Liberale, Ph.D., KAUST
Raman microspectroscopy and mass spectrometry to study lipid metabolism in cancer

16:30 - 17:10 AST

Prof. Gary Suizdak, Ph.D., Scripps Research
Activity Metabolomics enabled by METLIN-4D