



Mahidol University

Institute of
Molecular Biosciences

Mini-symposium on



Ministry of Higher Education,
Science, Research and Innovation

Join
for
Free!

From Computation to Clinic:

Drug Discovery, Function, and Delivery Innovations



12 Jan 2026



9AM - 4PM



Siriwattanapakdee Building
MU Alumni Association

Limited to 60 Seats

08:30 Registration

09:00 Opening Remarks

09:30 "Drug Discovery by Fast and Accurate Docking Screens of Billion Size Chemical Spaces with AI/ML postprocessing. From pipeline to the clinic." Professor Ruben Abagyan

10:20 Coffee Break

10:35 "Quantum AI for Protein-DNA Aptamer Sensor Design in Cancer Monitoring" Professor Vannajan Sanghiran Lee

11:25 Lunch Break

13:00 Lessons from drug therapy for cystic fibrosis: Transformational benefits, but still unmet need Professor David Sheppard

13:50 Coffee Break

14:10 "Increasing Access to Oxytocin for Prevention of Postpartum Haemorrhage" Professor Michelle McIntosh

15:00 "Preliminary Computational Explorations of Natural and Synthetic Enzyme Inhibitors" Dr. Nutchapong Suwanwong

15:35 Closing remarks



Professor

Ruben Abagyan

Skaggs School of Pharmacy and
Pharmaceutical Sciences,
University of California San Diego, USA

Professor

Michelle McIntosh

Faculty of Pharmacy and
Pharmaceutical Sciences,
Monash University, Australia,

Professor

David Sheppard

Translational Health Sciences,
Bristol Medical School,
University of Bristol, UK

Professor

Vannajan Sanghiran Lee

Department of Chemistry,
Faculty of Science,
Universiti Malaya, Malaysia

Dr.

Nutchapong Suwanwong

Chulabhorn Graduate Institute,
Thailand

Workshop on

AI-Aided Drug Screening and Ion Channel Drug Testing



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Institute of Molecular Biosciences

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Lecture:

Introduction to Modern Drug Discovery:
From Target Identification to small molecule discovery

Workshop:

Electrophysiology Methods for Ion Channel Studies:
Single-Channel Patch-Clamp and Ussing Chamber



Prof. David Sheppard

Translational Health Sciences,
Bristol Medical School,
University of Bristol, UK

James Charlck

Translational Health Sciences,
Bristol Medical School,
University of Bristol, UK

Dr. Ittipat Meewan

Institute of Molecular Biosciences,
Mahidol University

Dr. Mayuree Rodrat

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Scan to Register



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