



Mahidol University
Institute of
Molecular Biosciences



Mini-symposium on

From Computation to Clinic

Drug Discovery, Function, and Delivery Innovations



12 Jan 2026



9AM - 4PM



Siriwattanakdee Building
MU Alumni Association

Limited to 60 Seats

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| <p>08:30 Registration</p> <p>09:00 Opening Remarks</p> <p>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</p> <p>10:20 Coffee Break</p> <p>10:35 "Quantum AI for Protein-DNA Aptamer Sensor Design in Cancer Monitoring"
Professor Vannajan Sanghiran Lee</p> <p>11:25 Lunch Break</p> | <p>13:00 Lessons from drug therapy for cystic fibrosis:
Transformational benefits, but still unmet need
Professor David Sheppard</p> <p>13:50 Coffee Break</p> <p>14:10 "Increasing Access to Oxytocin for Prevention of Postpartum Haemorrhage"
Professor Michelle McIntosh</p> <p>15:00 "Preliminary Computational Explorations of Natural and Synthetic Enzyme Inhibitors"
Dr. Nutchapong Suwanwong</p> <p>15:35 Closing remarks</p> |
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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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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 Charlick

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



Dr. Ittipat Meewan

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Dr. Mayuree Rodrat

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Scan to Register



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