

PERSONALIZED MEDICINE: At the Era of Pharmaco-omics

PHARMACOGENOMICS | PROTEOMICS | METABOLOMICS

BIOMARKER DAY 2022

April 27, 2022

14:00-17:30

Auditoire de pédiatrie Bamatter, HUG
& Online

INFORMATION & REGISTRATIONS

unige.ch/medecine/biomarkerscentre/fr/

SPEAKERS

Prof. Jean-Luc Reny (CH)
Prof. Chin B Eap (CH)
Prof. Brahim Achour (UK)
Dr. Zubida Al-Majdoub (UK)
Dr. Nasim Bararpour (USA)
Dr. Flavia Storelli (USA)
Dr. Victor González-Ruiz (CH)
Dr. Chakradhara Rao (CH)
Prof. Youssef Daali (CH)



FACULTÉ DE MÉDECINE
CENTRE FACULTAIRE D'INVESTIGATION
TRANSLATIONNELLE EN BIOMARQUEURS (CITB)



UNIVERSITÉ
DE GENÈVE

WELCOME

On behalf of the members of the Faculty Center for Translational Research in Biomarkers, we are delighted to invite you to the **Biomarker Day 2022**, April 27th, 2022. As the pandemic situation improves and the restrictions are reduced, the meeting will take place in person as well as in a virtual format.

During the afternoon, leading national and international experts in pharmacogenomics, proteomics and metabolomics will present how these multi-omics approaches can help improving patient care by individualizing the therapy based on specific biomarkers (genes, proteins or specific metabolites).

We are looking forward to seeing you

Prof. Youssef Daali
Chair of the Biomarker Day 2022

PROGRAM OVERVIEW

14.00-14.10 Welcome address

Prof. Pierre Fontana, coordinator of the CITB
Geneva University & Geneva University Hospitals

Plenary lecture:**14.10-14.35 Personalized Medicine: direct oral anticoagulant dose adjustment, utility of Omics and beyond.**

Prof. Jean-Luc Reny
Geneva University & Geneva University Hospitals

Pharmacogenomics: Chair: Prof. Caroline Samer**14:35-14:55 Characterization of between patient variability in drug pharmacokinetics: the missing center piece of precision dosing.**

Prof. Brahim Achour
Rhode Island University (USA)

14:55-15:15 Personalized medicine in Psychiatry.

Prof. Chin B Eap
University of Lausanne & CHUV

15:15-15:35 Utility of Pharmacogenomics to understand the functional role of metabolizing enzymes in pediatric onco-hematology setting.

Dr Chakradhara Rao Uppugunduri
CANSEARCH Research Platform in Pediatric Oncology and Hematology
University of Geneva

15:35-15:55 Coffee break

Metabolomics: Chair: Prof. Serge Rudaz

15.55-16.15 Metabolomics: a journey from benchtop to bedside.

Dr Victor González-Ruiz

Geneva University

16.15-16.35 Dynamic Lipidome Alterations Associated with Human Health, Disease, and Aging

Dr Nasim Bararpour

Stanford University (USA)

16.35-16.50 Endogenous biomarkers of cytochromes P450 activity: Example of CYP2D6.

Prof. Youssef Daali

Geneva University & Geneva University Hospital.

Proteomics: Chair: Prof. Jean-Charles Sanchez

16.50-17.10 Tissue Dependent Rate of Drug Metabolising Enzymes/Transporters: New Insights from LCMS Proteomics of Human Kidneys.

Dr Zubida Al-Mahjoub

The University of Manchester (UK)

17.10-17.30 Prediction of tissue concentrations of transported drugs in humans using quantitative targeted proteomics.

Dr Flavia Storelli

University of Washington, Seattle (USA)

17:30-17:40 Closing remarks

Prof. Youssef Daali
