

## **BIOMARKERS DAY 2024**

# **PRECISION MEDICINE IN PEDIATRIC ONCOLOGY & HEMATOLOGY - EXISTING AND EMERGING BIOMARKERS**

**7 November 2024**

**13:00-17:40**

Auditoire P. Boymond (B02.2226), CMU

### **INFORMATION & REGISTRATIONS**

**[Unige.ch/medecine/biomarkerscentre](https://unige.ch/medecine/biomarkerscentre)**

Limited number of attendees

Registration deadline October 30

### **HOSTED BY**

**Prof. Marc Ansari**

CANSEARCH Research Platform in Pediatric Oncology and Hematology, UNIGE

HUG

### **SPEAKERS**

Dr Rao Uppugunduri, JIPMER, Puducherry (India)

Dr Khalil Ben Hassine, CANSEARCH research platform, UNIGE, Geneva

Dr Vid Mlakar, CANSEARCH research platform, UNIGE, Geneva

Prof. Meyling Cheok, Inserm, Lille (France)

Prof. Sameer Bakhshi, AIIMS, New Delhi (India)

Prof. Jun Yang, St. Jude, Memphis (USA)

Dr Kateryna Petrykey, St. Jude, Memphis (USA)

## PROGRAM OVERVIEW

13:00-13:05 **Opening presentation**  
Prof. Marc ANSARI, UNIGE & HUG

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### **Biomarkers for dose personalization and for predicting clinical outcomes in pediatric HSCT**

*Chairs: Prof. Marc Ansari, Dr Yvonne Gloor*

13:05-13:25 **Personalization of conditioning treatments – focus on drug-drug interactions**  
Dr Rao Uppugunduri, JIPMER, Puducherry (India)

13:25-13:45 **Optimal Busulfan Exposure Enhances Hematopoietic Stem Cell Transplantation Outcomes in Pediatric Patients treated for Acute Lymphoblastic Leukemia**  
Dr Khalil Ben Hassine, CANSEARCH research platform, UNIGE, Geneva

13:45-14:05 **GSTA1 – population genetics and cell models**  
Dr Vid Mlakar, CANSEARCH research platform, UNIGE, Geneva

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**14:05-14:30 Coffee break**

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### **Predictive biomarkers screening for drug response in pediatrics: Special focus on hematological malignancies**

*Chair: Prof. Marc Ansari*

14:30-15:10 **Functional precision medicine in pediatric AML across the CONECT-AML project**  
Prof. Meyling Cheok, Inserm, Lille (France)  
*Co-chair: Dr Fanny Gonzales*

15:10-15:50 **Utility of biomarkers in the treatment of pediatric malignancies in LMIC setting**  
Prof. Sameer Bakhshi, AIIMS, New Delhi (India)  
*Co-chair: Dr Vid Mlakar*

15:50-16:30 **Functional Precision Medicine for Pediatric ALL: Are We There Yet?**  
Prof. Jun Yang, St. Jude, Memphis (USA)  
*Co-chair: Dr Rao Uppugunduri*

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**16:30-16:55 Coffee break**

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### **Predictive biomarkers of chronic conditions in pediatric cancer survivors**

*Chairs: Prof. Marc Ansari, Dr Nicolas Waespe*

16:55-17:35 **A genome-wide association study of doxorubicin-induced cardiomyopathy in childhood cancer survivors from the St. Jude Lifetime Cohort (SJLIFE) and the Childhood Cancer Survivor (CCSS) Studies**  
Dr Kateryna Petrykey, St. Jude, Memphis (USA)

17:35-17:40 **Closing remarks**  
Prof. Marc Ansari

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**17:40-18:40 Get together apero!**

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