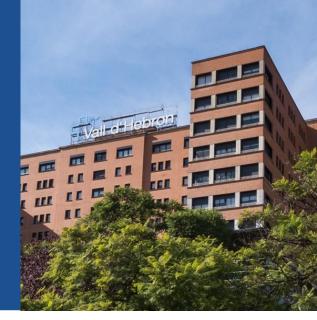
# New technologies and methods in immunogenetics

Monday 17th February 14.30 - 18h

Onsite: Events Hall | Floor 10 | General Hospital

Online: Via Zoom (see QR access below)



# **Program**

**Opening session** (14:30 – 14:45h)

Carlota Villar, BCN-PID Foundation vice-president

Vall Hebron Institut de Recerca Representative

Jacques G Rivière, MD. Pediatric immunologist, Pediatric Infectious Diseases and Immunodeficiencies Unit, HUVH.

Laura Batlle-Masó, PhD. Postoctoral Researcher, Infection and Immunity in Pediatric Patients Research Group, VHIR.

### Session 1: Genetics in inborn errors of immunity

14:45 – 15:15h "Genetics and bioinformatics in inborn errors of immunity: making personalized medicine a reality"

**Roger Colobran**, PhD. Head of the Translational Immunology Research Group, VHIR; Immunology Division, HUVH; Professor of Immunology, UAB.

### **Session 2: Structural Variation**

15:15 – 15:45h "Optical genome mapping to unravel undiagnosed rare diseases"

**Alexander Hoischen**, PhD. Professor of Genomic Technologies for Immune-Mediated and Infectious Disease, Radboud University Medical Center, Nijmegen (The Netherlands).

15:45 – 16:05h "From classical cytogenetics to optical genome mapping"

Mar Xunclà, MSc. Medicine Genetics Research Group, VHIR; Clinical and Molecular Genetics, HUVH.

**Break** (16:05 – 16:30h)

### **Session 3: Somatic Variation**

16:30 - 17h "Identifying disease causing somatic variants in genetic errors of immunity"

Megan A. Cooper, MD, PhD. Professor of Pediatrics, Washington University, St. Louis (USA).

17 – 17:20h "Genetic mosaicism in IEI: a challenge in routine diagnosis"

Anna Mensa-Vilaró, MD, PhD. Immunology Department - CDB, Hospital Clínic - IDIBAPS.

## Session 4: Round table

17:20 - 17:40h "Shaping the future: challenges and opportunities in immunogenetics"

All speakers, and invited experts:

Irene Valenzuela, MD. Medicine Genetics Research Group, VHIR; Clinical and Molecular Genetics, HUVH.

**Pere Soler Palacín**, MD, PhD. Head of the Infection and Immunity in Pediatric Patients Research Group, VHIR; Head of the Pediatric Infectious Diseases and Immunodeficiencies Unit, HUVH; Professor of Immunology, UAB.

Closing remarks (17:40 - 18h)





