Immune dysregulation workshop Barcelona: From basics to clinics to advanced therapies

4th Edition

FOCIS Center of Excellence (FCE) CIS-UB

Meeting
18.12.2026

Hybrid
Free registration on-site and online
6 hours

SJD Sant Joan de Déu Barcelona · Hospital | Clínic Barcelona | Universitat de Barcelona | IDIBAPS | SJD Sant Joan de Déu Institut de Recerca

The 4th Immune Dysregulation Workshop will bring together leading international experts for a unique meeting at the forefront of immune dysregulation research, diagnosis, and treatment.

This one-day scientific programme will explore the latest breakthroughs shaping the field, from novel approaches to advanced therapeutics—including allogeneic hematopoietic stem cell transplantation, CAR T-cell therapies for autoimmune diseases, and gene therapy and gene editing—to cutting-edge advances in diagnosis and precision medicine.

Participants will gain insights into emerging challenges and opportunities in immune dysregulation, with sessions exploring gene mosaicism, single-cell analysis, cytokine profiling, and the evolving landscape of immune-targeted therapies. The programme will culminate in inspiring keynote lectures highlighting the frontiers of research and the future of the field.

Join us for an inspiring day where science, innovation, and clinical expertise come together to push the boundaries of immune dysregulation and shape the future of patient care.

Organizers:

Jordi Antón. Head Pediatric Rheumatology Department, SJD Barcelona Children's Hospital.
Laia Alsina. Head Pediatric Allergy and Clinical Immunology Department, SJD Barcelona Children's Hospital.
Manel Juan. Head Immunology Department, Hospital Clínic, Barcelona.
Juan I. Aróstegui. Head of Clinical Immunology Section. Immunology department. Hospital Clínic, Barcelona.
Alessandra Magnani. Head of Advanced Therapies Platform. SJD Barcelona Children's Hospital.

Registration:
https://bit.ly/immune-dysregulation-2026

Contact
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SJD Sant Joan de Déu Barcelona · Hospital UNIVERSITAT DE BARCELONA

Friday 18th December

Location: Barcelona – venue to be confirmed

09:50 - 10:00 h — Welcome and opening remarks

Jordi Antón. Head Pediatric Rheumatology Department, SJD Barcelona Children's Hospital.
Laia Alsina. Head Pediatric Allergy and Clinical Immunology Department, SJD Barcelona Children's Hospital.
Manel Juan. Head Immunology Department, Hospital Clínic, Barcelona.

Advances in therapeutics for immune dysregulation.

Chairs: **Juan I. Aróstegui.** Head of Clinical Immunology Section. Immunology department. Hospital Clínic, Barcelona.
Alessandra Magnani. Head of Advanced Therapies Platform. SJD Barcelona Children's Hospital.

10:00 - 10:30 h — Lessons from two cases of allo-HSCT for APLAID.

Ana Pilar Garcia. Pediatric Clinical Immunology and Immunodeficiencies. Allergy and Clinical Immunology Department, SJD Barcelona Children's Hospital.
Laia Alsina. Head Pediatric Allergy and Clinical Immunology Department, SJD Barcelona Children's Hospital.

10:30 - 11:00 h — CAR T-cell therapies for autoimmune diseases: the near future?

Lorena Pérez-Amil. Postdoctoral researcher CaixaResearch Institute Barcelona.

11:00 - 11:30 h — CART19 ERN-RITA consensus criteria in pediatric autoimmune diseases.

Jordi Antón. Head Pediatric Rheumatology Department, SJD Barcelona Children's Hospital.

11:30 - 12:00 h — Gene therapy and gene editing in Hematopoietic stem cells: Lessons learned from Fanconi anemia.

Paula Río. Head of the Bone Marrow Aplasia Unit (Biomedical Innovation Unit, CIEMAT/CIBERER/IIS-FJD, UAM; Madrid, Spain).

12:00 - 12:30 h — Gene therapy and gene editing in Hematopoietic stem cells: lessons learned from Hemoglobinopathies.

Letizia Fontana. Postdoctoral researcher. Grupo de investigación en Institut Imagine de Paris.

12:30 - 14:00 h — Lunch break and networking.

European EAACME (SEAFORMEC) accreditation has been requested.

Advances in diagnosis in immune dysregulation

Chairs: **Jordi Antón**. Head Pediatric Rheumatology Department, SJD Barcelona Children's Hospital.
Laia Alsina. Head Pediatric Allergy and Clinical Immunology Department, SJD Barcelona Children's Hospital.

14:00 - 14:30 h — Gene Mosaicism in Inborn Errors of Immunity.

Juan I. Aróstegui. Head of Clinical Immunology Section. Immunology department. Hospital Clínic, Barcelona.

14:30 - 15:00 h — Dysregulated pathways in IEI at single-cell resolution.

Roser Vilarrassa-Blasi. Postdoctoral researcher. Wellcome Sanger Institute. Hinxton, Cambridgeshire, UK.

15:00 - 15:30 h — Biomarkers of B-cell function to guide IGRT in pediatric immunodeficiencies.

Angela Deyá. Pediatric Clinical Immunology and Immunodeficiencies. Allergy and Clinical Immunology Department,SJD Barcelona Children's Hospital.
Cèlia Martí. Pediatric Clinical Immunology and Immunodeficiencies. Allergy and Clinical Immunology Department, SJD Barcelona Children's Hospital.

15:30 - 16:00 h — Cytokine profiling for the diagnosis of HLH and immune dysregulation.

Fabrizio de Benedetti. Head of Department Pediatric Rheumatology. Ospedale Bambino Gesú, de Roma.

16:00 - 16:45 h — Coffee break and networking.

Keynote sessions: frontiers in immune dysregulation.

Chairs: **Jordi Antón**. Head Pediatric Rheumatology Department, SJD Barcelona Children's Hospital. **Manel Juan**. Head Immunology Department, Hospital Clínic, Barcelona.

16:45 - 17:30 h — The autoimmunity stories we didn't expect.

Carola García Vinuesa. Principal investigator. Francis Crick Institute, London.

17:30 - 18:15 h — TBD

Virginia Pascual. Gale and Ira Drukier Director of Children's Health Research, Weill Cornell Medical College. New York.

18:15 - 18:30 h — Closing remarks

Jordi Antón. Head pediatric Rheumatology department, SJD Barcelona Children's Hospital.
Laia Alsina. Head pediatric clinical immunology department,SJD Barcelona Children's Hospital.
Manel Juan. Head immunology department, Hospital Clínic, Barcelona.