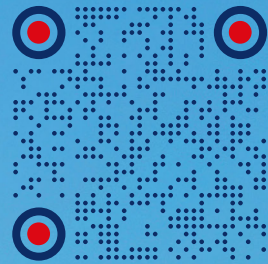


Organized by:



Advanced course in Platelet Research

Murcia (Spain)

27-28 September, 2024

Sercotel Amistad Hotel

PROGRAM

Friday, September 27th, 2024

08:00 **Registration Open**
08:45-8:55 **Welcome**
Pilar Llamas
Hospital Universitario Fundación Jiménez Díaz, Madrid (Spain)
José Rivera
Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Pascual Parrilla, CIBERER, Murcia (Spain)

SESSION 1
09:00-10:20 NEW CONCEPTS IN MEGAKARYOPOIESIS AND THROMBOPOIESIS
Moderator: **María Luisa Lozano**
Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Pascual Parrilla, CIBERER, Murcia (Spain)
09:00-09:20 **How should we study megakaryopoiesis nowadays?**
Alessandra Balduini
University of Pavia (Italy)
09:20-09:40 **Single cell methods to study megakaryocyte heterogeneity and regulatory controls of endomitosis**
Antonio Rodríguez Romera
University of Oxford (United Kingdom)
09:40-10:00 **Can we really produce platelets in vitro for clinical use?**
Amie Waller
University of Cambridge (United Kingdom)
10:00-10:20 **Open discussion**
10:20-10:55 **Coffee break & Posters**

SESSION 2
11:00-12:20 EMERGING TECHNOLOGIES FOR UNDERSTANDING PLATELET FUNCTION (I)
Moderator: **Wolfgang Bergmeier**
University of North Carolina at Chapel Hill, CA (USA)
11:00-11:20 **How should we use mathematical modelling and new research tools to advance our knowledge of platelet biology?**
Steve P. Watson
University of Birmingham (United Kingdom)
11:20-11:40 **New approaches and new reagents to study platelet function (update in PROTAC technology, nanobodies, etc.)**
Ingeborg Hers
University of Bristol (United Kingdom)
11:40-12:00 **High throughput multi-parameter platelet function analysis for donor or patient phenotyping and stratification**
Jon Gibbins
University of Reading (United Kingdom)
12:00-12:20 **Open discussion**
12:20-12:25 **Break**

SESSION 3
12:30-13:30 ADVANCES IN FLOW CYTOMETRY AND MICROSCOPY
Moderator: **Alessandra Balduini**
University of Pavia (Italy)
12:30-12:50 **High-resolution 3D imaging of megakaryocytes**
Anita Eckly
Université de Strasbourg, Strasbourg (France)
12:50-13:10 **How should we use advanced microscopy to improve our understanding of platelet function?**
Natalie Poulter
University of Birmingham (United Kingdom)
13:10-13:30 **Open discussion**
13:30-13:45 **Official Opening**
13:45-15:20 **Enjoy lunch & friendly conversation & posters**

SESSION 4
15:30-16:50 THE CRITICAL ROLE OF METABOLISM IN PLATELET BIOLOGY
Moderator: **Constantino Martínez**
Centro Regional de Hemodonación, IMIB-Pascual Parrilla, Murcia (Spain)
15:30-15:50 **Advanced analysis of platelet metabolism and mitochondrial function**
Sonia Águila
Centro Regional de Hemodonación, IMIB-Pascual Parrilla, UCAM, Murcia (Spain)
15:50-16:10 **How is NO metabolism regulating platelet function?**
Paolo Gresele
University of Perugia (Italy)
16:10-16:30 **Platelet heterogeneity in health and disease**
Paul C. Armstrong
Queen Mary University of London Centre for Immunobiology, Bizard Institute (United Kingdom)
16:30-16:50 **Open discussion**
16:50-16:55 **Break**

SESSION 5
17:00-18:20 EMERGING TECHNOLOGIES FOR UNDERSTANDING PLATELET FUNCTION (II)
Moderator: **Steve P. Watson**
University of Birmingham (United Kingdom)
17:00-17:20 **What is MK and platelet RNA biology telling us?**
Matthew T. Rondina
University of Utah Health, Utah (USA)
17:20-17:40 **What is the future of proteomics in platelet research?**
Ángel García-Alonso
CIMUS, Universidad de Santiago de Compostela (Spain)
17:40-18:00 **Bone marrow organoids in the study of megakaryocytopoiesis and myelofibrosis**
Abs Khan
University of Oxford (United Kingdom)
18:00-18:20 **Open discussion**
18:20-18:30 **Break**

SESSION 6
18:30-19:50 INHERITED PLATELET DISORDERS. EDUCATIONAL APPROACH OF DIAGNOSIS AND MANAGEMENT
Moderator: **Kathleen Freson**
University of KU Leuven (Belgium)
18:30-18:50 **How will you approach diagnosis and clinical management of IPD**
José María Bastida
Complejo Asistencial Universitario de Salamanca-IBSAL, Universidad de Salamanca (Spain)
18:50-19:10 **The Iberian contribution to the knowledge of IPD**
Ana Marín
Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Pascual Parrilla, CIBERER, Murcia (Spain)
19:10-19:30 **Gene therapy in severe IPD: Dream or reality?**
Raúl Torres
CIEMAT, Madrid (Spain)
19:30-19:50 **Open discussion**
19:50-21:30 **Free time**
21:30 **Enjoy dinner with friends in Murcia (Hispano restaurant, walking distance)**

PROGRAM

Saturday, September 28th, 2024

SESSION 7
09:00-10:20 ADVANCED EXPLORATION OF GENOME VARIATION IN PLATELETS, BLEEDING AND THROMBOTIC DISORDERS
Moderator: **José Rivera**
Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Pascual Parrilla, CIBERER, Murcia (Spain)
09:00-09:20 **Why is the genetic basis of many platelet disorders still unknown?**
Neil Morgan
University of Birmingham (United Kingdom)
09:20-09:40 **How is novel long sequencing technologies increasing our knowledge of bleeding and thrombotic disorders**
Belén de la Morena
Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Pascual Parrilla, CIBERER, Murcia (Spain)
09:40-10:00 **New concepts in genetic diversity of inherited platelet disorders**
Kathleen Freson
University of KU Leuven (Belgium)
10:00-10:20 **Open discussion**
10:20-10:55 **Coffee break & Posters**

SESSION 8
11:00-12:20 PLATELETS BEYOND HEMOSTASIS
Moderator: **Jon Gibbins**
University of Reading (United Kingdom)
11:00-11:20 **How do platelet contribute to venous thrombosis**
Wolfgang Bergmeier
University of North Carolina at Chapel Hill, CA (USA)
11:20-11:40 **Platelet antibody driven thromboinflammation and potential treatments**
Andreas Greinacher
University of Greifswald (Germany)
11:40-12:00 **Platelet alterations in myeloproliferative neoplasms**
Jorge Di Paola
Washington University in St. Louis, MO (USA)
12:00-12:20 **Open discussion**
12:20-12:25 **Break**

SESSION 9
12:30-13:30 IMMUNE THROMBOCYTOPENIA (ITP)-DIAGNOSIS AND TREATMENT
Moderator: **Chris Ward**
University of Sydney (Australia)
12:30-12:50 **New concepts in the mechanisms of ITP**
John Semple
Lund University (Sweden)
12:50-13:10 **How should we treat ITP in 2024?**
María Luisa Lozano
Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Pascual Parrilla, CIBERER, Murcia (Spain)
13:10-13:30 **Open discussion**
13:30-15:20 **Enjoy lunch & friendly conversation & posters**

SESSION 10
15:30-16:25 EARLY CAREERS RESEARCH ON THE PLATELET FIELD & RESEARCH CULTURE IN 2024
Moderator: **Jorge Di Paola**
Washington University in St. Louis, MO (USA)
15:30-15:45 **EARLY CAREER 1**
Abstract to be selected by the SAB, among the abstract submitted
Discussion
15:45-16:00 **EARLY CAREER 2**
Abstract to be selected by the SAB, among the abstract submitted
Discussion
16:00-16:15 **EARLY CAREER 3**
Abstract to be selected by the SAB, among the abstract submitted
Discussion
16:15-16:25 **RESEARCH CULTURE IN 2024**
Steve P. Watson
University of Birmingham (United Kingdom)
16:25-16:35 **Break**

16:35-16:45 CONCLUDING REMARKS
SAB & ISTH: **Alessandra Balduini**
University of Pavia (Italy)
Jorge Di Paola
Washington University in St. Louis, MO (USA)
Kathleen Freson
University of KU Leuven (Belgium)
Chris Ward
University of Sydney (Australia)
Steve P. Watson
University of Birmingham (United Kingdom)
16:45-17:00 ACKNOWLEDGMENTS AND CLOSING
Pilar Llamas
Hospital Universitario Fundación Jiménez Díaz, Madrid (Spain)
José Rivera
Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Pascual Parrilla, CIBERER, Murcia (Spain)

Registration

- **Registration fee:** 675 €.
 - **Registration deadline:** 13 September 2024 [\[click here\]](#)
 - **Registration includes**
 - Course documentation
 - Access to lectures
 - Up to 3 nights accommodation
 - Coffee breaks
 - Lunches
 - Certificate of attendance
 - **Limited places:** 150 registrants.
- The technical secretariat will personally communicate acceptance to the course by e-mail as soon as the payment of the registration fee will be received.
- **Cancellations**
Cancellations received after September 2nd, 2024 will not be reimbursed.

Scientific and financial support

