Wednesday, 20th April

9h00  Reception

Satellite workshop from Iberian Flow Cytometry Society

9h20  Welcome
Chair: Catarina Martins & Julia Almeida

9h30  Strategies for immune monitoring and disease detection in CAR T-cell therapy
Alberto Orfão, University of Salamanca, Spain

10h00 Utility of flow cytometry for the diagnosis and classification of primary Immunodeficiencies
Carolien Bonroy, Ghent University Hospital, Belgium

10h30 Dissection of myeloid hematopoietic compartment by next generation flow cytometry
Cristina Teodósio, University of Salamanca, Spain

11h00  Coffee break by Cytognos
Chair: José Carlos Segovia

11h30  Features of the immune response to SARS-CoV-2 during pregnancy or aging
Andrea Cossarizza, University of Modena and Reggio Emilia, Italy

12h00  GECLID session, Carmen Martin Alonso (GECLID)

12h30  SIC General Assembly

13h00  Lunch

XLVII Annual Meeting of the Portuguese Society for Immunology

14h00  Welcome session
SPI Best Paper Award 2022

14h30  Session I - Chronic Inflammation
Chairs: Helena Soares & Luís Graça

IS1. Human immune system variation and development
Petter Brodin, Karolinska Institute, Stockholm, Sweden and Imperial College, London, United Kingdom

15h15  OP1. GDF15 as a potential target to improve sepsis treatment
Ana Neves-Costa, Instituto Gulbenkian de Ciência, Oeiras

15h30  OP2. TLR4+ Tfh-like cells display a cytotoxic profile in the joints of rheumatoid arthritis patients
Daniela Amaral-Silva, CEDOC - Centro de Estudos de Doenças Crónicas, NOVA Medical School, Lisboa

15h45  IS2. Turning Sweet in Immunity: complex N-glycans as immune-checkpoints in infection, inflammation and autoimmunity.
Salomé S. Pinho, i3S - Instituto de Investigação e Inovação em Saúde, Porto

16h30  Coffee break

17h00  Sponsor seminar

Single-Cell Multi-Omics and Its Application in Immunology
Werner Rodríguez, Senior Single Cell Solution Architect South Europe, BD Biosciences | Single Cell Multiomics

17h30  IS3. Trained immunity: a memory for innate host defense
Mihai G. Netea, Radboud University Medical Center, Nijmegen, The Netherlands

18h45  Poster Session & Welcome drink
Thursday, 21st April

9h00  **Session II - Aging and Cancer Immunology**  
Chairs: Bruno Silva-Santos & Maria José Oliveira

**IS4. Human immune monitoring coming of age**  
Shai Shen-Orr, Technion-Israel Institute of Technology, Haifa, Israel

9h45 **IS5. Expanding the immunotherapy toolbox for the treatment of colorectal cancer**  
Noel F. de Miranda, Leiden University Medical Center, Netherlands

10h30 Coffee break

11h00 **Sponsor seminar**

*MACSQuant Tyto: the sorting revolution in a cartridge*  
Ismael Ranz Jiménez, Flow Cytometry Application Specialist & Technical Support Miltenyi Biotec

11h30 **IS6. Innate immune evasion revealed in the zebrafish Avatar model**  
Rita Fior, Champalimaud Centre for the Unknown, Lisboa

12h15 **OP3. Deep immune monitoring and phenotyping in blood of distinct subtypes of monoclonal gammopathies at diagnostic screening**  
Oihane Pérez-Escurza, University of Salamanca; Institute of Biomedical Research of Salamanca (IBSAL) & CIBERONC, Instituto Carlos III, Madrid, Spain

12h30 **OP4. Senescence and inflammaging in COVID-19 patients**  
Rodrigo Pedroso, Instituto de Medicina Molecular João Lobo Antunes, Lisboa

12h45 **SPI General Assembly**

13h30 Lunch

14h30 **Sponsor seminar**

*Cytek® Aurora CS: Combining Full Spectrum Profiling (FSP™) & Cell Sorter*  
Ana Vieira, TAS for Portugal & Remote Support Cytek Biosciences

15h00  **Session III - Human Infections and Vaccines**  
Chairs: Thiago Carvalho & Jocelyne Demengeot

**IS7. Maternal fetal immune cross talk**  
Diana Alecsandru, IVI, Madrid, Spain

15h45 **IS8. Using M. tuberculosis diversity to understand tuberculosis**  
Margarida Saraiva, i3S - Instituto de Investigação e Inovação em Saúde, Porto

16h30 **OP5. Microbiota influences the proliferative capacity of natural IELs during small intestine infection**  
Patrícia Figueiredo-Campos, Instituto de Medicina Molecular João Lobo Antunes, Lisboa

16h45 **OP6. Uncovering meningeal immunity upon Group B Streptococcus neonatal infection**  
Inês Lorga, i3S - Instituto de Investigação e Inovação em Saúde; ICBAS - Instituto de Ciências Biomédicas Abel Salazar; IBMC - Instituto de Biologia Molecular e Celular, Porto

17h00 Coffee break & Poster Session

18h00 **IS9. Pre-existing polymerase-specific T cells expand in abortive seronegative SARS-CoV-2 infection**  
Mala K. Maini, University College London, United Kingdom

18h45 **IS10. Immune responses to whole-organism malaria vaccination**  
Miguel Prudêncio, iMM JLA - Instituto de Medicina Molecular João Lobo Antunes, Lisboa; Faculdade de Medicina da Universidade de Lisboa

19h30 Selected Speed Communication announcement

20h00 Congress Cocktail
Saturday, 22nd April

9h00  **Session IV - Beyond Humans: Imaging Immunity**  
Chairs: Ricardo Henriques & Henrique Veiga-Fernandes

**IS11. Immune surveillance of the liver**  
Matteo Iannacone, San Raffaele Scientific Institute, Milan, Italy

9h45  **OP7. LAMP-2 in thymic epithelial cells shapes the selection of CD4 T cells**  
Laura G. Sousa, i3S - Instituto de Investigação e Inovação em Saúde; ICBAS - Instituto de Ciências Biomédicas Abel Salazar; IBMC - Instituto de Biologia Molecular e Celular, Porto

10h00  **OP8. A key role for microRNAs in the development and functional differentiation of γδ T cell subsets**  
Daniel Inácio, iMM JLA - Instituto de Medicina Molecular João Lobo Antunes, Lisboa

10h15  Coffee break

10h45  **Sponsor seminar**  
Tools for Immunology Research  
Christine Barr, STEMCELL Technologies

11h15  6 selected Speed Communications from Poster Sessions

11h45  **IS12. Decoding the mode of action of tumor immunotherapies using intravital imaging**  
Philippe Bousso, Institut Pasteur, Paris, France

12h45  Awards and Closing Ceremony