

●●● AT THE CROSSROADS OF HUMAN IMMUNOLOGY

PROGRAM IN DETAIL

IS - Invited Speaker; OP - Oral Presentation;

Wednesday, 20th April

9h00 Reception

Satellite workshop from Iberian Flow Cytometry Society

9h20 **Welcome**

Chairs: Catarina Martins & Julia Almeida

9h30 **Strategies for immune monitoring and disease detection in CAR T-cell therapy**

Alberto Órfão, 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

Session sponsored by



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*



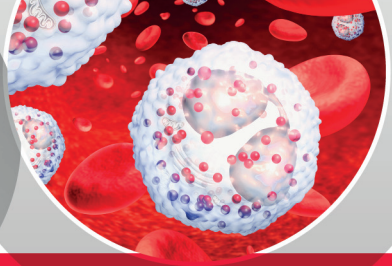
Single-Cell Multi-Omics and Its Application in Immunology

Werner Rodriguez, 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**



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Thursday, 21st April

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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-Escorza, 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

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Friday, 22nd April

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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 $\gamma\delta$ 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**