

Day One

JULY 1ST

Opening

Registration and welcome coffee 08:30 _ 09:00
Opening remarks 09:00 _ 09:20

Session 1 : IMGT Workshop

09:20 _ 10:30

Prof Sofia Kossida and Dr. Myriam Croze, France

Introduction to IMGT, the International ImMunoGenetics information system: annotation, nomenclature and analysis of the adaptive immune repertoire"

Coffee Break

10:30 _ 10:50

10:50 _ 13:00

Prof Sofia Kossida and Dr. Myriam Croze, France

Introduction to IMGT, the International ImMunoGenetics information system: annotation, nomenclature and analysis of the adaptive immune repertoire"

Lunch

13:00 _ 14:30

Session 2: Foundations of Immune Diversity

14:30 _ 15:15

Prof Khalid Sadki , Morocco

Decoding the Hidden Logic of HLA Diversity: Biological Meaning and Evolutionary Insights

15:15 _ 16:00

Prof Sofia Kossida , France

IMGT: past achievements, present developments, and future directions in immunogenetics

Session 3 : Opening Ceremony

16:00 _ 17:00

17:00 _ 17:40

Keynote lecture 1: Prof Dominique Charron , France

The New Era of Immunity: From Genetic Diversity to Precision Health

Welcome Cocktail

17:40 _ 18:30

Day Two

JULY 2ND

Session 4 : IMGT Workshop

09:00 _ 10:30

Prof Sofia Kossida and Dr. Myriam Croze, France

Analysis and exploration of the expressed IG and TR repertoire with IMGT tools

Coffee Break

10:30 _ 10:50

10:50 _ 12:30

Prof Sofia Kossida and Dr. Myriam Croze, France

Analysis and exploration of the expressed IG and TR repertoire with IMGT tools

Lunch

12:30 _ 14:00

Session 5 : Advanced Technologies

14:00 _ 14:40

Keynote lecture 2 : Prof Ambroise Wonkam, USA

From Immune Genetic Variation to Precision Health

14:40 _ 15:15

Prof Lbachir BenMohamed , USA

Development of new Vaccines against SARS-CoV-2

15:15 _ 16:00

Prof. Solomon F Ofori-Acquah , Ghana, UK

Inflammatory Pathways as Therapeutic Targets in Sickle Cell Disease

Coffee Break

16:00 _ 16:30

16:30 _ 17:15

Dr.Tala Shahin, New York University Abu Dhabi, UAE

Deciphering T Cell Immune Regulation in Disease Using Single-Cell Technologies

17:15 _ 18:00

Prof Ahmed Belmoudden , Morocco

Bacteriophage therapy in the era of antimicrobial resistance: immunological and translational challenges.

Day Three

JULY 3RD

Session 6: HLA NGS Workshop

09:00 _ 10:00

Dr. Sami Djoulah , France

- HLA typing - TCR/BCR analysis - Bioinformatics pipelines - Data interpretation - Case Studies & Discussion

Coffee Break

10:00 _ 10:30

10:30 _ 12:30

Dr Mohammed Fadli, Italy, Dr; Seninet Elhadi, Morocco

High-resolution HLA genotyping /Oxford Nanopore technology 1

Lunch

12:30 _ 14:00

Session 7 : Cancer Immunogenetics & Immune-Mediated Diseases

14:00 _ 15:40

Keynote lecture 3: Prof John Trowsdale, UK

Cancer Immunogenetics and Immune Evasion

15:40 _ 16:15

Dr. Meryem Aloulou, France

Decoding T-B Cell Cooperation in Cancer Immunotherapy

16:15 _ 17:00

Prof Collet Dandara, South Africa

Genomic and Pharmacogenomic Determinants of Cancer Susceptibility in Populations of African Ancestry

Coffee Break

17:00 _ 17:20

17:20 _ 18:20

Panel : Africa Immunogenome initiative

Africa Immunogenome: Unlocking Genetic Diversity for Precision Medicine

Day Four

JULY 4TH

Session 8: NGS Workshop

09:00 _ 10:30

Dr Fadli Mohammed (Italy), Dr; Seninet Elhadi (Morocco)Dr. Sami Djoulah , France
High-resolution HLA genotyping /Oxford Nanopore technology 2

Coffee break

10:30 _ 10:50

10:50 _ 12:30

Dr Fadli Mohammed (Italy), Dr; Seninet Elhadi (Morocco)
Fundamentals of MinKNOW and NanoTYPER tools

Lunch

12:30 _ 14:00

Session 9: Immunogenetics of Infectious Diseases

14:00 _ 15:40

Keynote lecture 4: Prof. Idaghdour Youssef, UAE
Global Genetic Diversity and Immune Responses: Shaping Natural Selection in Infectious Diseases

15:40 _ 16:10

Prof. Issiaka S, Burkina Fasso
Immune system genes and malaria

16:10 _ 16:40

Prof Hicham Oumzil, Morocco
Immunogenetics of HIV infection

16:40 _ 17:15

Prof kamal Elbissati Chicago USA
Immunogenetics, Vaccines, and Molecular Diagnostics in Toxoplasmosis: Novel Strategies, Clinical Applications, and Future Challenges

Closing Remarks and Official Closure of the Course

17:15 _ 17:45