Myriam Capone, University of Bordeaux
Long-lived Central Memory gamma delta T cells protect mice from murine cytomegalovirus infection

Francesca Rampoldi, University of Mainz
γδ T cells license immature B cells to produce a broad range of polyreactive antibodies

Soraya Mezouar, Aix-Marseille University
Vγ9Vδ2 T cells are potent inhibitors of SARS-CoV-2 replication and exert effector phenotypes in COVID-19 patients

Marina Zintchenko, University of Freiburg
Novel γδ CAR T cell therapy approaches to target breast cancer stem cell-derived tumors that escape from γδ T cell immunosurveillance in vivo

SESSION 7 - (3:20 - 4:40 pm)
TUMOR RESPONSE

Jan Schadeck, University Medical Center Schleswig Holstein
Cross-talk of ovarian cancer and γδ T cells enhances galectin-3 release and inhibits proliferation but not cytotoxicity of γδ T cells

Virginie La Font, INSERM Montpellier
Uncovering a new regulatory γδ T cell subpopulation and deciphering their role in human solid cancers

Valentina Cazzetta, University of Milan
Intrahepatic CD69+ Vδ1 T cells re-circulate in the blood of metastatic colorectal cancer patients and predict their overall survival

Nicola Herold, University Hospital Tübingen
Investigation of tumor-infiltrating γδ T cells

SESSION 8 - (5:05 - 6:45 pm)
γδ T CELL THERAPIES

Maria Sharif, University of Birmingham
Phosphoantigen-based prodrugs (ProPAgens) as potent stimulators of Vy9Vδ2 T cell activation and anti-tumour cytotoxicity

Lydia Lynch, Trinity College Dublin
The dichotomy of γδ T cells in human malignancy

Dieter Kabelitz, University Medical Center Schleswig Holstein
Modulation of gamma/delta T-cell activation by STING ligands

DAY 4: WEDNESDAY, JUNE 22
Networking breakfast, farewell and departure.

8:00 pm
Street-food dinner organized by the workshop
SESSION 1 (9:00 - 10:40 am)
TCR SIGNALING
9:00 - 9:20
Nital Sumaria, Queen Mary University of London
PI3K inhibition reveals a novel γδ T cell-associated transcripational program during thymic development

9:20 - 9:40
Florelia Cano, The Francis Crick Institute
Innate TCR signaling by γTCRδ+ intraepithelial lymphocytes

9:40 - 10:00
Duncan McKenzie, The Francis Crick Institute
Normality sensing of Skint1 licenses DETCs for innate-like tissue surveillance

10:00 - 10:20
Patricia Hernández-Lopez, University Medical Center Utrecht
Enhancing the therapeutic potential of γδTCR expressing T cell in cancer targeting by adding modified NKG2D co-stimulation

10:20 - 10:40
Wolfgang Schamel, University of Freiburg
Optogenetics: activation of the γδ TCR is controlled by kinetic proofreading

10:40 - 11:10
Coffee-Break

SESSION 2 (11:10 am - 12:50 pm)
TCR LIGANDS
11:10 - 11:30
Carry Wilcox, University of Birmingham
A molecular surface on the BTN3A1 IgV domain critically affects phosphoantigen sensing independently of BTN2A1 association

11:30 - 11:50
Mohinder Karunakaran, University of Würzburg
Transmolecular-Butyrophlin3A PAg-signaling in PAg mediated activation of VyγδV8δ2T cells

11:50 - 12:10
Taras Kreslavsky, Karolinska Institutet
Transcriptome-wide screen for γδTCR specificities identifies a novel superantigen-like ligand candidate for Vy7 γδTCRs

12:10 - 12:30
Idiko Van Rhijn, Brigham and Women Hospital/Harvard Medical School
Sideways recognition of CD1a by γδ T cell receptors

12:30 - 12:50
Malte Desseke, Hannover Medical School
Adaptive human Vδ1+ γδ T cell clones recognize HLA-DR

12:50 - 3:30
Free time/lunch on your own

SESSION 3 (3:30 - 4:50 pm)
γδ PROFILING IN HEALTH AND DISEASE
3:30 - 3:50
Karla Ximena Leon-Lara, Hannover Medical School
Dynamic postnatal maturation and response capabilities of human γδ T cells in preterm neonates

3:50 - 4:10
Jean-Jacques Fournie, University of Toulouse
The cartography of human γδ T lymphocytes

4:10 - 4:30
SAGAR, University of Freiburg
Single-cell multimodal profiling reveals molecular rewiring of γδ T cell subsets in ulcerative colitis

4:30 - 4:50
Likai Tan, Hamburg Center for Translational Immunology
Bifurcating differentiation of tissue-resident and circulating γδ T cells in lung

4:50 - 5:20
Coffee-Break

SESSION 4 (5:20 - 6:40 pm)
DEVELOPMENT
5:20 - 5:40
Guillen Sanchez-Sanchez, Université libre de Bruxelles
Single-cell analysis of human fetal and pediatric γδ T cells reveals distinct functional thymic programming

5:40 - 6:00
Daniel Inacio, Instituto de Medicina Molecular João Lobo Antunes
A key role for microRNAs in the development and functional differentiation of γδ T cell subsets

6:00 - 6:20
Lisa Vogg, University of Erlangen–Nuremberg
A novel orthotopic TCR transgenic mouse model exposes the role of antigen receptor specificity for γδ T cell development and function

6:20 - 6:40
Rasmus Agerholm-Nielsen, TU of Denmark
The vitamin A metabolite retinoic acid regulates development of γδT17 by altering the TCR signal strength and is necessary for their pathogenicity during neuroinflammation

6:45 - 8:00
Snacks and Poster Session
Afterward dinner on your own

DAY 3: TUESDAY, JUNE 21

SESSION 5 (9:00 - 10:20 am)
TISSUE-RESIDENT CELLS
9:00 - 9:20
Andre Bombeiro, João Lobo Antunes Universidade de Lisboa
Investigating the impact of IL-17 in peripheral nerve regeneration

9:20 - 9:40
Aaron Douglas, Trinity College Dublin
Beyond Immunity: Circadian expression of IL-17A by γδ T cells regulates circadian whole body metabolism

9:40 - 10:00
Mia Hamilton Lee, University of Copenhagen
Mutations in genes encoding filaggrin and matrin lead to defective T cell development

10:00 - 10:20
Miguel Muñoz-Ruiz, The Francis Crick Institute
The role of the γδ T cell receptor in γδ T cell mediated immunity in the tissue

10:20 - 10:45
Coffee-Break

SESSION 6 (10:45 am - 12:25 pm)
γδ T CELLS IN DISEASES
10:45 – 11:05
Pedro Papotto, University of Manchester
Dermal γδ T cells orchestrate innate and adaptive type-2 immunity in distal organs during nematode infection