



October 25th, 2021, Venue: Lecture room (Collegezaal) 4, AMC

9:00 - 9:05 Short Welcome and intro - *Lisa van Baarsen, coordinating PI*

Fellow presentations (5 minutes, 5 minutes discussion- focus; We would like to very shortly recapitulate the research goal and then the progress so far).

Chair: Sander Tas/ Eva Phillipon

9:05 - 9:15 Initiate a pilot prevention trial in individuals at high risk for developing rheumatoid arthritis - *Giulia Frazzei (ESR1)*

9:15 - 9:25 Treat-to-target in systemic lupus erythematosus: design of a pilot study - *Agner Parras (ESR2)*

9:25 - 9:35 Gene expression in the HLA complex in autoimmune disease - *Adrian Durotin (ESR3)*

9:35 - 9:45 Clonal isotyping of the B cell response in autoimmunity - *Armando Olivieri (ESR4)*

9:45 - 9:55 ***(Short break for a breather.-;-)***

Chair: Niek de Vries/ Adrian Durotin

9:55 - 10:05 Study the molecular and cellular features of human lymph node T cells during the earliest phases of systemic autoimmunity - *Aoife O'Byrne (ESR5)*

10:05 - 10:15 The role of B cells in ANCA-associated vasculitis - *Ana Merino Vico (ESR7)*

10:15 - 10:25 State-of-the-art in vivo PET-CT imaging of immune cell subsets in chronic inflammatory diseases and cancer - *Eva Phillipon (ESR8)*

10:25 - 10:35 Characterize the molecular pathways activated during the pre-clinical phase of spondyloarthritis - *Ihsan Hammoura (ESR9)*

10:35 - 11:00 **Coffee/Tea break – award ceremony best video**

Chair: Joep Grootjans/Sofia Liddle

- 11:00 – 11:10 The Implication of the Lymphatic System in the Pathogenesis of Inflammatory Bowel Disease and the Development of Immunogenicity against Therapeutic Monoclonal Antibodies- *Dimitrios Nikolakis (ESR10)*
- 11:10 – 11:20 Understanding auto-immune disorders through computational modelling - *Utkarsh Mahamune (ESR11)*
- 11:20- 11:30 Systematic evaluation of B cell clonal families inference approaches - *Daria Balashova (ESR12)*
- 11:30– 11:40 Understanding the etiology of IBD associated extraintestinal manifestations and cancer - *Liddle Sofía Frigerio (ESR13)*
- 11:40 – 11:50 Activated PI3K δ in Systemic lupus Erythematosus (SLE) - *Elham Sadat Mirfazeli (ESR14)*
- 11:50 – 12:00 Uncovering how HIV hides in immune cells: metabolic reprogramming of CD4 T cells during infection- *Sona Allaverdiyeva (ESR15)*

12:00 – 13:00 Lunch

Chair proposal: Jeroen den Dunnen/Chiara or Sona

- 13:00 – 13:10 Anti-SARS-CoV-2 IgG from severely ill COVID-19 patients promotes macrophage hyper-inflammatory responses - *Chiara Geyer (ESR16)*
- 13:10 – 13:20 Immune monitoring of macrophages in the development and progression of rheumatoid arthritis and immune checkpoint inhibitor-induced rheumatic manifestations - *Aiarpi Ezdoglian (ESR17)*
- 13:20 – 13:30 Molecular imaging of angiogenesis and therapeutic effects of anti-angiogenetic agents in rheumatoid arthritis - *Khodadustvaskasi, Fatemeh (ESR18)*
- 13:30 – 13:40 *short break*
- 13:40 – 13:50 Development of immune competent gut on chip model - *Melis Asal (ESR19)*
- 13:50 – 14:00 Development of a Lymph Node-on-chip - *Andrew Morrison (ESR20)*
- 14:00 – 14:30** The core facilities -imaging -*Eric Reits*
- 14:30 – 15:00** Coffee/Tea break

Chair proposal: Marleen/Dimitrios

- 15:00-15:30** Possible techniques available within the core facilities of Genomics (CFG)- *Elisabeth Lodder*
- 15:30-16:00** **Tentative title: Using the Hyperion imaging Cytoff in rheumatology research** (via Teams)-
Mario Zaiss, Erlangen, Germany
- 16:00-16:15** Results questionnaire - *Laurian Jongejan, project manager*
- 16:15-16:30** Concluding remarks - *Ronald van Vollenhoven, coordinating PI*
- 16.30-17.30** **Drinks and snacks to foster collaboration**