**Program 8th Annual Symposium of the**

**Amsterdam institute for Immunology & Infectious diseases (AI&I)**

May 22, 2025 - OBA Oosterdok, Oosterdokskade 143, 1011 DL Amsterdam

**Theme: The future in medicine is now: personalized and synthetic**

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| 10.45 – 11.15 | **Registration**  |
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| **Theaterzaal** | **Introduction**  |  |
| 11.15 – 11.30 | Welcome by AI&I director Joppe Hovius |
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| **Theaterzaal** | **Plenary session: Personalized medicine** |  |
| 11.30 – 12.00 | **Anke-Hilse Maitland-van der Zee** - *Every breath matters: Personalizing respiratory care for every patient* |
| 12.00 – 12.30 | **Katja Wolthers** - *Patient-derived organoids and a gut-brain axis model: towards personalized antiviral testing*  |
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| 12.30 – 13.10 | **Lunch** |
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| **Forumzaal** |  |
| 13.00 – 14.00 | **Break-out session Valorization** |
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| **Heren/Singelzaal** | **Poster session A** |
| 13.10 – 13.55 | Posters #1-34 |
| **Prinsen/Keizerzaal** | **Poster session B** |
| 13.55 – 14.40 |  Posters #35-68 |
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| **Theaterzaal** | **Parallel session program Immunology**  |  |
| 14.40 – 14.55 | **Nienke Goedhart** *- Immunometabolic profiling reveals two types of metabolic dysfunction in CLL T cells**which share mitochondrial defects* |
| 14.55 – 15.10 | **Ricky Siebeler -** *Endogenous Retroviral Elements as Central Regulators in Macrophage Activation* |
| 15.10 – 15.25 | **Carlota López Sánchez** - *Impaired T cell receptor (TCR) signaling drives T cell dysfunction in Chronic Lymphocytic Leukemia* |
| 15.25 – 15.40 | **Dennis Nijenhuis -** *Characterization of tumor infiltrating B-cell subtypes and autoantibody production in oral cancers using spatial and seromic profiling* |
| 15.40 – 15.55 | **Elena Camerini** *- T cells from chronic lymphocytic leukemia patients show signs of accelerated senescence* |
| 15.55 – 16.10 | **Amber Dassen -** *Development of a human 3D synovial tissue organoid model to study drug effects in rheumatoid arthritis* |
|  | **Vote for the best presentation** |
| **Forumzaal** | **Parallel session program Infectious Diseases**  |  |
| 14.40 – 14.55 | **Gizem Babuccu** - *Candida albicans and staphylococcus aureus form polymicrobial infection: effects on antimicrobial peptide of SAAP-148* |
| 14.55 – 15.10 | **Haye Nijhuis** - *Producing and stabilizing recombinant surface glycoproteins from highly pathogenic zoonotic viruses* |
| 15.10 – 15.25 | **Suzanne van den Aardweg** - *Longitudinal characterization of protective antibody responses against hepatitis C virus among highly exposed putative elite clearers* |
| 15.25 – 15.40 | **Philip Elders** - *TICK ME – the uninfected Ixodes scapularis human tick challenge model* |
| 15.40 – 15.55 | **Alexis Burnham -** A heptavalent OspA-based mRNA vaccine is effective against Borrelia burgdorferi sensu lato |
| 15.55 – 16.10 | **Jongchan Kim** - *Microbiota-derived indole metabolites inhibit rotavirus infection in vitro, in vivo and in human* |
|  | **Vote for the best presentation** |
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| 16-10 – 16.30 | **Break** |
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| **Theaterzaal** | **Plenary session: Synthetic biology**  |  |
| 16.30 – 17.00 | **Marjolein van Egmond** - *Multispecific Immune Cell Engagers for Cancer Immunotherapy* |
| 17.00 – 17.30 | **Maria Themeli** - *CAR-T cells: engineering synthetic killers* |
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| 17.30 – 17.45 | **Award ceremony & closure** |
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| 18.00 – 21.30 | **Dinner & drinks at ‘A beautiful mess’** |