NVvI Annual Meeting 2026

9 & 10 December 2026
NH Leeuwenhorst, Noordwijkerhout

More info: www.nvvi-dsi.nl

PROGRAMME

Wednesday 9 December 2026

09:00 – 09:45 Registration & coffee

Room: Rotonde
09:45 **Opening by Wilfred Germeraad**
10:00 **Keynote lecture**
Human immunity through the lens of mitochondrial genetics
Leif Ludwig, Berlin Institute for Medical Systems Biology, Germany

10:55 – 12:30 Parallel sessions

Session 1: Tumor Immunology and Immune Therapy

Room: Rotonde
10:55 **From antigen recognition to cancer therapy: engineering next-generation γ9δ2TCR-based immunotherapies**
Dennis Beringer, UMC Utrecht
11:25 **T-cell receptor-engineered T cells efficiently target acute myeloid leukemia with different types of NPM1 mutations**
Eva Argiro, LUMC
11:40 **Sponsor pitch**
11:45 **Allosteric inhibition of SIRPα with BYON4652 unleashes neutrophil effector functions and cytotoxicity against antibody-opsonized tumor cells**
Leonie Behrens, Amsterdam UMC
12:00 **PLA2G2D in tumour-draining lymph nodes regulates anti-tumour immunity**
Anneloes van Krimpen, Erasmus MC
12:15 **CHD4 restrains effector differentiation and function of $CD8^+$ T cells**
Kaspar Bresser, Sanquin

Session 2: Adaptive Immunology

Room: Boston 9
10:55 **Autoreactive T cell immunity in inflammatory peripheral neuropathies**
Danielle Latorre, IRCCS San Raffaele Hospital, Milan, Italy
11:25 **Microvilli formation in T cells is dependent on tetraspanin CD53**
Angelique Kenyon, Radboudumc
11:40 **Sponsor pitch**
11:45 **Same input, different output: Inhibition of ERK signalling preserves regulatory T cell Identity during TCR activation**
Brenda Raud, Sanquin
12:00 **Atypical memory B cells undergo clonal expansion and affinity maturation during repeated malaria exposures**
Emil Colstrup, LUMC

12:15 **Naïve and memory B cells from patients with systemic autoimmune disease show epigenetic alterations at key loci implicated in autoimmunity**
Anne Onrust-Van Schoonhoven, Erasmus MC

Session 3: Immune metabolism

Room: Boston 19

10:55 **Dysregulation of Treg cells in celiac disease**
Luciana Berod, University Medical Center Mainz, Germany

11:25 **Hypoxia in T-cell immunity: a barrier to overcome or a tool to harness?**
Michel Driessen, Sanquin

11:40 **Sponsor pitch**

11:45 **Impact of an anti-inflammatory diet on pain, quality of life and inflammation in endometriosis: a feasibility study**
Loutje van der Sman, Radboudumc

12:00 **Failure to coordinate fatty acid uptake and oxidation drives lipid accumulation in T cells from chronic lymphocytic leukaemia patients**
Nienke Goedhart, Amsterdam UMC

12:15 **Tissue-resident memory T cells exploit distinct metabolic pathways to sustain their persistence in the tumour microenvironment**
Fréderique de Graaf, LUMC

Session 4: Innate Immunity

Room: Cambridge 30

10:55 **Macrophage biology in atherosclerosis: cellular diversity, transcriptional regulation, and clinical impact**
Menno de Winther, Amsterdam UMC

11:25 **Temporal multi-omics analysis of human ILC2s reveals a key role for common γ-chain cytokines in the early activation of ILC2s**
Simone Olsthoorn, Erasmus MC

11:40 **Sponsor pitch**

11:45 **Modelling Bacillus Calmette-Guérin vaccine-driven reprogramming of human myelopoiesis enables functional and mechanistic interrogation of myeloid development**
Robbin Kramer, Radboudumc

12:00 **Native long-read RNA sequencing of human monocytes reveals activation-induced alternative splicing toward functional isoforms**
Alejandra Bodelon de Frutos, UMC Utrecht

12:15 **Prolonged glucocorticoid exposure drives developing mast cells towards a novel immunoregulatory phenotype**
Thomas van de Kreeke, Radboud University Nijmegen

Session 5: Emerging methodology or disease models

Room: Cambridge 32

10:55 **Modulating the immune system to regenerate heart valves *in situ* – from the bench to the clinic and back**
Anthal Smits, Eindhoven University of Technology

11:25 **Development of a patient-derived 3D synovial organoid platform for personalized drug testing in rheumatoid arthritis**
Amber Dassen, Amsterdam UMC

11:40 **Sponsor pitch**

11:45 **Monocytes modulate fibroblast activation in a 3D human skin model of systemic sclerosis**
Sara Parsa, UMC Utrecht

12:00 **Developing an in vitro model for immune-mediated aplastic anemia using iPSC-derived hematopoietic stem/progenitor cells and autoreactive T cells**
Renée Wijmenga, LUMC

12:15 **A stratified intestinal co-culture model with phenotypically relevant immune phenotypes displays resilience to infection and promotes homeostasis through bactericidal activity in absence of overt inflammation**
Donovan O'Brien, Wageningen University

12:30 – 13:20 Lunch at Atrium

Room: Boston 9
12:35 – 13:15 General Assembly NVvI

Room: Rotonde
13:20 **Keynote lecture**
NK cell memory and clonality
Chiara Romagnani, Charité - Universitätsmedizin Berlin, Germany

Room: Atrium
14:05 – 15:00 Poster viewing: Odd poster numbers

14:45 – 15:30 Coffee/tea break at Atrium

15:30 – 17:05 Parallel sessions

Session 6: Tumor Immunology and Immune Therapy
Room: Rotonde

15:30 **Neutralization of IL12/IL23 p40 subunit mitigates immune checkpoint blockade-induced toxicity while preserving antitumor efficacy**
Disha Vadgama, Erasmus MC

15:45 **Leukotriene B4 acts via C-X-C motif chemokine ligand 8/interleukin-8 to attract and activate neutrophils to induce IgA-mediated antibody dependent cellular cytotoxicity**
Patricia Olofsen, UMC Utrecht

16:00 **CMAS loss reveals tumor sialylation as a regulator of myeloid cell dynamics and t-cell activation during lung cancer progression**
Mostafa Shaarawy, Amsterdam UMC

16:15 **Sponsor pitch**

16:20 **Inhibitory Nectin-2/TIGIT interactions between CD163+ macrophages and CD8+ T cells in spatially defined immune niches associated with poor outcomes in neuroblastoma**
Francisca Bergsma, Prinses Maxima Centrum

16:35 **Induction of antigen-specific tolerance in vitiligo using vitamin D3-loaded nanoparticles**
Emma Holtappels, Amsterdam UMC
16:50 **Actin-like protein 8 is a novel target for TCR-engineered T cells to treat colorectal cancer**
Rui Coelho, Erasmus MC

Session 7: Adaptive Immunology

Room: Boston 9

15:30 **T-box and RUNX factors program epigenetic priming for memory recall in human CD8⁺ T cells**
Mieke Metzemaekers, Erasmus MC
15:45 **Notch helps anti-tumor CD8 T Cells: From priming to battle**
Ariana Herrera Torres, Sanquin
16:00 **Decoding treg aging in atherosclerosis: from immune (dys)function to therapeutic expansion**
Romy Dijkland, Leiden University - LACDR
16:15 **Sponsor pitch**
16:20 **Phenotyping of vaccine-induced Influenza-specific B cell responses in elderly**
René Raeven, RIVM
16:35 **CD20 expression demarcates a brain-infiltrating CD4+ cytotoxic T-cell precursor in progressive multiple sclerosis**
Anna Pelser, Erasmus MC
16:50 **How foreign-self protein complexes could lead to loss of tolerance in anti-neutrophil cytoplasmic antibody-associated vasculitis**
Helena Keek, LUMC

Session 8: Autoimmunity and Neuroimmunology

Room: Boston 19

15:30 **From inflammation to autoimmunity: understanding immune dysfunction in SLE**
Jolien Suurmond, LUMC
16:00 **Shared neuronal and glial autoantibodies link long COVID to other post-acute infection syndromes**
Noa Keijzer, Amsterdam UMC
16:15 **Sponsor pitch**
16:20 **A liposomal inverse vaccine protects mice from arthritis and experimental autoimmune encephalomyelitis**
Daniel Sáenz Fernández, Utrecht University
16:35 **Mapping autoantibodies in multiple sclerosis disease trajectories**
Jeen Engelenburg, Erasmus MC
16:50 **Microbial-derived Topoisomerase I can initiate and maintain the autoreactive B-cell response in patients with Systemic Sclerosis**
Tessa Liesker, LUMC

Session 9: Vaccinology

Room: Cambridge 30

15:30 **RNA vaccines, the balance between inflammation and expression for immunogenicity**
John Tregoning, Imperial College London, UK

16:00 **Impaired humoral and cellular immune response in children who received MMR vaccine below 12 months of age**
Maaike van der Staak, RIVM
16:15 **Sponsor pitch**
16:20 **Distinct baseline immune signatures associate with CD8+ T cell response to yellow fever vaccination in rural and urban Tanzania**
Ross Laidlaw, LUMC
16:35 **Both ageing and frailty status impact vaccine-induced transcriptomic profiles : results from the VITAL cohort**
Manas Joshi, UMC Groningen
16:50 **Mucosal BCG revaccination after intradermal priming underscores the importance of local immunity for protection against pulmonary tuberculosis.**
Marloes Rietveld, BPRC

Session 10: Clinical and Medical Immunology

Room: Cambridge 32

15:30 **Autoimmunity as a cause of post – acute infection syndromes?**
Jeroen den Dunnen, Amsterdam UMC
16:00 **Memory T-cell persistence and primary T-cell responses after CD19 CAR T-cell therapy**
Cilia Pothast, LUMC
16:15 **Pro-inflammatory cytokines enhance trophoblast invasion by modulating trophoblast–decidual interactions**
Bart Moerings, Radboudumc
16:30 **Targeting myeloid cells via immune inhibitory receptors as novel therapeutic strategy for immune-mediated inflammatory diseases**
Margreet Westerlaken, UMC Utrecht
16:45 **Effects of anifrolumab treatment on immunological pathways in patients with Sjögren's disease**
Christina Haroun, UMCG

17:05 – 18:00 Friendship Drinks at Atrium

17:05 – 18:00 yNVvI Speed dates (incl. drinks) at Boston 9

18:00 – 19:30 Dinner at Restaurant

Room: Rotonde
Chair: Rudi Hendriks
19:40 **Van Bekkum Thesis Award Ceremony**
Chair: Annemiek van Spriel
20:00 **Van Loghem Lecture**
Jolanda de Vries, Radboudumc

21:00 – 01:00 Congress Party with DJ at Sorbonne

Thursday 10 December 2026

08:30 – 09:00 Registration & coffee

09:00 – 10:15 Parallel sessions

Session 11: Tumor Immunology and Immune Therapy

Room: Rotonde

09:00 **JJP-1008: A novel HVEM/CD270-targeting antibody to overcome tumor immune evasion**
Agata Drewniak-Maksymów, JJP Biologics

09:15 **Live tracking of T-cell behavior in patient-derived 3D tumoroids**
Shaozhuo Huang, Erasmus MC

09:30 **Sex-biased T cell exhaustion links X chromosome regulation to anti-tumor immunity**
Nila Servaas, Sanquin

09:45 **T-Cell Receptors for four new hematopoietic-restricted minor histocompatibility antigens to target acute myeloid leukemia after allogeneic stem cell transplantation**
Georgia Koutsoumpli, LUMC

10:00 **Tumor acidosis boosts antibody-driven cytotoxic potential of neutrophils**
Ida van der Peet, UMC Utrecht

Session 12: Tumor Immunology and Immune Therapy

Room: Boston 9

09:00 **Blocking the STAT3-DUSP axis mitigates immunotherapy mediated activation of Treg cells and improves cancer immunotherapy efficacy**
Githangely St. Hilaire, Erasmus MC

09:15 **Immune cells have a sweet tooth: new insights into galectin regulation of dendritic cell activity**
Laia Querol Cano, LUMC

09:30 **Characterization of glycans by liquid chromatography ion mobility mass spectrometry identifies Gb3 as potential therapeutic target for neuroblastoma**
Anne Borst, Prinses Maxima Centrum

09:45 **TWEAK–TWEAKR signaling as a regulator of persistent stromal inflammation in Multiple Myeloma**
Agnes Czeti, Erasmus MC

10:00 **Autoreactive and non-autoreactive B cells before and after mivocabtagene autoleucel (miv-cel) CD19 CAR-T Cell treatment in refractory rheumatoid arthritis patients**
Julia Giezen, LUMC

Session 13: Autoimmunity and Neuroimmunology

Room: Boston 19

09:00 **How Glycans influence B-cell development**
Daphne Chen, LUMC

09:15 **Increased immune cell recruitment at the brain borders in advanced multiple sclerosis**
Cheng-Chih Hsiao, Netherlands Institute for Neuroscience

09:30 **Lymph node neutrophils in inflammatory arthritis: An unexpected journey through spatial analysis**
Nia Hudson, Amsterdam UMC

09:45 **T cells promote the resolution of inflammatory pain in mice through LAIR-1**
Femke de Krom, UMC Utrecht

10:00 **MuSK IgG1 antibodies fail to induce complement-mediated damage at the neuromuscular junction**
Dana Vergoossen, LUMC

Session 14: Mucosal immunity and Allergy

Room: Cambridge 30

09:00 **Inflammation at the interface: mucosal immune responses during helminth infection**
Andrew MacDonald, University of Edinburgh, UK

09:30 **Defining the role of gut-homing memory ex-Th17/Th1* cells in modulating neutrophil transcriptome in a subgroup of severe pediatric Crohn's disease patients**
Esmée Boute, Erasmus MC

09:45 **Secretory IgA selectively shapes cytokine responses via FcαRI in human myeloid cells.**
Willianne Hoepel, LUMC

10:00 **How immune history shapes responses to emerging viruses: lessons from SARS-CoV-2 and seasonal coronaviruses for pandemic preparedness**
Gijsbert van Nierop, Erasmus MC

Session 15: Infection and Inflammation

Room: Cambridge 32

09:00 **Airway macrophages in chronic infection and inflammation in children**
Wendy Unger, Erasmus MC

09:30 **IL17F is a human genetic determinant of invasive pyogenic infections**
Gabriël Schut, UMC Utrecht

09:45 **Mapping antigen-specific B cell immunity to Mycobacterium tuberculosis across infection and vaccination**
Paula Niewold, LUMC

10:00 **Distinct intestinal inflammatory landscapes define response to JAK1 inhibition in ulcerative colitis**
Evelien Floor, UMC Utrecht

10:15 – 10:45 Coffee/tea break at Atrium

Room: Rotonde

10:45 **Keynote lecture**
Mitochondrial control of myeloid cell function
David Sancho, Spanish National Center for Cardiovascular Research, Madrid, Spain

Room: Atrium

11:30 – 12:25 Poster Viewing: Even numbers

12:00 – 13:00 Lunch at Atrium

Room: Rotonde
12:30 – 12:45 **Sponsored lecture by Pixelgen**

Room: Rotonde
13:00 **Keynote lecture**
Regulation of human T cell cytotoxicity - a novel modality to kill
Christina Zielinski, University of Cambridge, UK

13:45 – 16:50 EFIS on Tour Symposium

Room: Rotonde
Bright Spark Session
Chairs: Marianne Boes and Bojan Polic
13:45 Opening by Bojan Polic (President EFIS)
13:50 **Antigen-specific single-cell profiling reveals distinct metabolic fitness of autoreactive B-cells in rheumatoid arthritis.**
Aegli Athanasiadou, LUMC
14:05 **Burnout prevention for CAR-T cells: how degradation-controlled resting sustains CAR-T cell function**
Ronja van Berkum, Prinses Máxima Centrum
14:20 **Interleukin-2 production identifies a stem-like T cell factor-1+ memory CD8+ T cell state with enhanced differentiation and recall potential**
Ward Vleeshouwers, LUMC
14:35 **More than skin-deep? How antiviral responses in keratinocytes and Langerhans cells shape rabies virus infections at the cutaneous barrier**
Keshia Kroh, Erasmus MC

14:50 – 15:05 Coffee/tea break at Atrium

Room: Rotonde
Chairs: Bojan Polic and Annemiek van Spriel
15:05 **How to become a serial killer? - insights into NK cell cytotoxicity**
Carsten Watzl, EFIS Board, Leibniz Research Centre for Working Environment and Human Factors, Dortmund, Germany
15:25 **How dietary factors and genes combine to regulate intestinal intraepithelial γδ T cells**
Vivien Kohlhaas, The Francis Crick Institute, UK
15:45 **Decoding stromal regulation of lymphoma: modelling the tumour-stroma niche in lymph nodes**
Lotte de Winde, Amsterdam UMC
16:05 **Keynote lecture**
Mapping the specificity of human T cells in health and disease
Federica Sallusto, ETH Zurich and Institute for Research in Biomedicine, USI, Bellinzona, Switzerland

16:50 Awards ceremony & Closing by Wilfred Germeraad
Poster Prize & Bright spark award