

## Whole Norway Immunology Journal Club

### List of papers already presented (and published in 2024 or 2025):

CD4+ T cell immunity against cutaneous melanoma encompasses multifaceted MHC II-dependent responses, published in *Science Immunology*, January 2024

<https://www.science.org/doi/10.1126/sciimmunol.adi9517>

Safety, efficacy and determinants of response of allogeneic CD19-specific CAR-NK cells in CD19+ B cell tumors: a phase 1/2 trial, published in *Nature Medicine*, January 2024

<https://www.nature.com/articles/s41591-023-02785-8>

Autoreactive T cells target peripheral nerves in Guillain–Barré syndrome, published in *Nature*, January 2024

<https://www.nature.com/articles/s41586-023-06916-6>

Xist ribonucleoproteins promote female sex-biased autoimmunity, published in *Cell*, February 2024

<https://doi.org/10.1016/j.cell.2023.12.037>

The gene regulatory basis of bystander activation in CD8+ T cells, published in *Science Immunology*, February 2024

<https://www.science.org/doi/10.1126/sciimmunol.adf8776>

An immunogenetic basis for lung cancer risk, published in *Science*, February 2024

<https://www.science.org/doi/10.1126/science.adi3808>

T cell help shapes B cell tolerance, published in *Science Immunology*, February 2024

<https://www.science.org/doi/10.1126/sciimmunol.adj7029>

SARS-CoV-2-infection- and vaccine-induced antibody responses are long lasting with an initial waning phase followed by a stabilization phase, published in *Immunity*, March 2024

<https://doi.org/10.1016/j.immuni.2024.01.017>

Mitochondrial metabolism sustains CD8+ T cell migration for an efficient infiltration into solid tumors, published in *Nature Communications*, March 2024

<https://www.nature.com/articles/s41467-024-46377-7#Sec35>

Antibody-independent protection against heterologous SARS-CoV-2 challenge conferred by prior infection or vaccination, published in *Nature Immunology*, March 2024

<https://www.nature.com/articles/s41590-024-01787-z>

Adaptive immune responses are larger and functionally preserved in a hypervaccinated individual, published in *The Lancet*, March 2024

[https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(24\)00134-8/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(24)00134-8/fulltext)

Immunometabolic Adaptation of CD19-Targeted CAR T Cells in the Central Nervous System Microenvironment of Patients Promotes Memory Development, published in *Cancer Research*, April 2024

<https://doi.org/10.1158/0008-5472.CAN-23-2299>

Vaccination impairs de novo immune response to omicron breakthrough infection, a precondition for the original antigenic sin, published in *Nature Communications*, April 2024

<https://www.nature.com/articles/s41467-024-47451-w>

TREM2 deficiency reprograms intestinal macrophages and microbiota to enhance anti-PD-1 tumor immunotherapy, published in *Science Immunology*, May 2024  
<https://www.science.org/doi/10.1126/sciimmunol.adi5374>

Coupling antigens from multiple subtypes of influenza can broaden antibody and T cell responses, published in *Science*, December 2024, presented by Taissa de Matos Kasahara on 28.02.2025  
<https://www.science.org/doi/10.1126/science.adi2396>

Conversion of vaccines from low to high immunogenicity by antibodies with epitope complementarity, published in *Immunity*, October 2024, presented by Elias Tjärnhage on 28.02.2025  
<https://pubmed.ncbi.nlm.nih.gov/39305904/>

Functional differences between rodent and human PD-1 linked to evolutionary divergence, published in *Science Immunology*, January 2025, presented by Thibault Leray on 07.03.2025  
<https://www.science.org/doi/10.1126/sciimmunol.ads6295>

Integrating single-cell RNA and T cell/B cell receptor sequencing with mass cytometry reveals dynamic trajectories of human peripheral immune cells from birth to old age, published in *Nature Immunology*, January 2025, presented by Fatemeh Kaveh on 07.03.2025  
<https://www.nature.com/articles/s41590-024-02059-6>

Continuous replenishment of the dysfunctional CD8 T cell axis is associated with response to chemoimmunotherapy in advanced breast cancer, published in *Cell Reports Medicine*, March 2025, presented by Hassen Kared on 14.03.2025  
<https://doi.org/10.1016/j.xcrm.2025.101973>

Robust mucosal SARS-CoV-2-specific T cells effectively combat COVID-19 and establish polyfunctional resident memory in patient lungs, published in *Nature Immunology*, January 2025, presented by Hassen Kared on 14.03.2025  
<https://doi.org/10.1038/s41590-024-02072-9>

Splenic TNF- $\alpha$  signaling potentiates the innate-to-adaptive transition of antiviral NK cells, published in *Immunity*, March 2025, presented by Erik Dissen on 21.03.2025  
[https://www.cell.com/immunity/abstract/S1074-7613\(25\)00079-2](https://www.cell.com/immunity/abstract/S1074-7613(25)00079-2)

NK cells restrain cytotoxic CD8+ T cells in the submandibular gland via PD-1–PD-L1, published in *Science Immunology*, December 2024, presented by Erik Dissen on 21.03.2025  
<https://www.science.org/doi/10.1126/sciimmunol.adl2967>