



# Kind invitation to the lecture:

## *Functional decoding of anti-tumor T cell immunity using genetic screens*

**Wouter Scheper**

Senior Scientist, Netherlands Cancer Institute

Wouter conducted his PhD at the UMC Utrecht in the group of Jürgen Kuball. He received his postdoctoral training in the lab of Ton Schumacher at the Netherlands Cancer Institute, where he focused on dissecting the interactions between T cells and tumors. He has a particular interest in developing new technologies that enable the large-scale mapping of T cell specificities. Now, he aims to apply these technologies to interrogate the tumor-reactivity landscape of T cells, as well as to develop the next generation of TCR gene therapies in the group of John Haanen at the Netherlands Cancer Institute.

Ziva Marevec,..., Wouter Scheper. Discovery of tumor-reactive T cell receptors by massively parallel library synthesis and screening. *Nature Biotechnology* 2024.

Chiara M. Cattaneo, ... , Wouter Scheper. Identification of patient-specific CD4+ and CD8+ T cell neoantigens through HLA-unbiased genetic screens. *Nature Biotechnology* 2023.

Wouter Scheper,..., Ton Schumacher. Low and variable tumor reactivity of the intratumoral TCR repertoire in human cancers. *Nature Medicine* 2019.

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December 2nd 2024 14:00

Location : Campus UZ Gent, The Core (MREB3), Room 0.8 - Together

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