

Welcome to StratCell lecture with Carl Figdor

Synthetic immune systems to outsmart cancer

Time: Tuesday June 29th 2021, 10:00 – 11:00

Registration link: <https://uio.zoom.us/meeting/register/u5Msdu6qqD4oE90R-gLNxqN0quts0TTBAje5>



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<https://www.oncode.nl/research/groups/carl-figdor-group>

Abstract

During the past decades we have extensively explored dendritic cell (DC) function and with this knowledge we have created several DC based cancer vaccines. Dendritic cells isolated from a patient are loaded with tumor antigen and immune modulators to activate dendritic cells to optimize antigen presentation and T cell stimulation. We now know that this form of immunotherapy is safe and more recently we have also used natural DC circulating in the blood instead of monocyte derived DC.

Because with current DC based vaccinations a new vaccine must be generated for each patient and their immune system is frequently immunosuppressed, we have initiated studies to look for alternatives, where we either can target DC in vivo by nanoparticles, or even replace DC by the generation of a 'synthetic DC'. During my talk I will elaborate on these novel cancer vaccine developments, on our immune engineering endeavors and on the idea to design 'synthetic immune niches' for local cancer treatment.

This event is a lecture organized by StratCell strategic research area for Cell-Based Cancer Immunotherapy at Oslo University Hospital <https://www.ous-research.no/strat-cell>
Most welcome!

