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Design, synthesis, and evaluation of antigenic peptide conjugates containing Toll-like receptor agonists

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List of Publications

Reaction Rates of Various *N*-Acylenamines in the Inverse-Electron-Demand Diels-Alder Reaction

Sander B. Engelsma, Thomas C. van den Ende, Hermen S. Overkleef, Gijsbert A. van der Marel, Dmitri V. Filippov

European Journal of Organic Chemistry, 2018, 2587-2591

<https://doi.org/10.1002/ejoc.201800094>

Simplified Monopalmitoyl Toll-like Receptor 2 Ligand Mini-UPam for Self-Adjuvanting Neoantigen-Based Synthetic Cancer Vaccines

Thomas C. van den Ende, Jeroen M. M. Heuts, Geoffroy P. P. Gentil, Marten Visser, Michel J. van de Graaff, Nataschja I. Ho, Wim Jiskoot, A. Rob P.M. Valentijn, Nico J. Meeuwenoord, Herman S. Overkleef, Jeroen D. C. Codée, Sjoerd H. van der Burg, Els M. E. Verdegaal, Gijsbert A. van der Marel, Ferry Ossendorp, Dmitri V. Filippov

ChemBioChem, 2021, 22, 1215-1222

<https://doi.org/10.1002/cbic.202000687>

Identification of a neo-epitope dominating endogenous CD8 T cell responses to MC-38 colorectal cancer

Brett J. Hos, Marcel G.M. Camps, Jitske van den Bulk, Elena Tondini, Thomas C. van den Ende, Dina Ruano, Kees Franken, George M.C. Janssen, Arnoud Ru, Dmitri V. Filippov, Ramon Arens, Peter A van Veelen, Noel Miranda & Ferry Ossendorp

OncImmunology, 2020, 9 (1), 1215-1222

<https://doi.org/10.1080.2162402X.2019.1673125>

Curriculum Vitae

Thomas van den Ende was born on the 8th of July 1991 in Delft, the Netherlands. He obtained his high school diploma at Stanislas College Westplantsoen (VWO, specialization 'Natuur en Techniek') in 2009, after which he started studying for his bachelor's degree in Molecular Science and Technology at Leiden University and the Technical University of Delft. During his bachelor, he did multiple short internships with various groups at both Universities, such as Bio-organic Synthesis (BIOSYN), Medicinal Chemistry, and Metals in Catalysis Biomimetics & Inorganic materials and followed a minor in Drug Discovery. He completed his bachelor studies with a final research internship on the synthesis of 6-phosphate mannopyranosides at BIOSYN under the supervision of Dr. Chung Sing Wong and prof. Dr. Gijs van der Marel. In 2013, he received his bachelor's degree with a major in Chemistry. During the last year of his bachelor, he also functioned as Assessor Onderwijs on the board of the chemistry study association, Chemisch Dispuut Leiden.

He continued his education by pursuing a Master Chemistry degree at Leiden University with an emphasis on Research and Organic Chemistry. In 2016, he finalized his master by performing a final internship at the Biosyn group under the supervision of Dr. Sander Engelsma, Dr. Dimitri Filippov, and Prof. Dr. Gijs van der Marel. His master thesis was entitled: "Further development of N-acyl azetine as dieneophile for tetrazine ligation".

After obtaining his master's degree, he started the research described in this Thesis under the supervision of Dr. Dimitri Filippov, Prof. Dr. Gijs van der Marel, and Prof. Dr. Ferry Ossendorp in the BIOSYN group of Leiden Institute of Chemistry at Leiden University in close collaboration with the Tumor Immunology Group at Leiden University Medical Center. Part of this work was orally presented at NWO Chains 2020 in Veldhoven, the Netherlands.

In November 2021, Thomas started as a Project Manager at the TIM company in Zeist.