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Bitter Sweet Symphony: the impact of sugars on autoimmunity

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Curriculum Vitae

Theresa Kissel was born in Bensheim, Germany, on December 14, 1992, and grew up in Zwingenberg. She graduated from "Altes Kurfürstliches Gymnasium" in Bensheim, Germany, in 2012, majoring in biology and mathematics. In 2015, she graduated with a bachelor's degree in Biomolecular Engineering from the Technical University (TU) Darmstadt, Germany, where she worked on pH-sensitive, shark-derived variable domains of IgNARs for therapeutic applications under the supervision of Prof. dr. Harald Kolmar. She continued with the master's program Biomolecular Engineering at the TU Darmstadt. During her study, she completed a semester abroad at the University of Massachusetts in Boston, USA, focusing on immunology and medical biochemistry. She completed her master's thesis at Sanofi in Frankfurt, Germany, in the Biologics Research department to investigate trispecific T-cell engaging antibodies. In 2017, she obtained her Master of Science (cum laude) and started as a PhD student under the supervision of Prof. dr. René Toes and Dr. Hans Ulrich Scherer in the department of Rheumatology at Leiden University Medical Center in The Netherlands. During her PhD training, she studied the cause and consequence of the hyperglycosylation of the variable domain of (auto)antibodies and B cells characteristic for patients with Rheumatoid Arthritis. The results of the research at the interface of immunology and glycobiology are described in this thesis.

List of publications

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[†] These authors contributed equally to this work as co-first authors.

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