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Lisa Ott de Bruin – Short bio

I'm a medical doctor from the Netherlands, currently in my final year of pediatric residency at the Erasmus Medical Center, Rotterdam, The Netherlands. In 2021, I received a Gisela Thier grant from the Leiden university medical hospital (LUMC) to work with Dr. Mirjam van der Burg and prof. Dr. Arjan Lankester to study hypogammaglobulinemia in patients receiving Rituximab post-hematopoietic stem cell transplantation (post-HSCT). In addition, I'm involved in a research project to better understand autoimmunity post-HSCT.

I did my PhD work in the lab of Prof. Notarangelo, at the Boston Children's hospital, Harvard medical school (2012-2016). I used CRISPR/Cas9 and other gene-editing tools to model and correct RAG1 deficiency. In particular, I generated hypomorphic RAG1 mouse models containing mutations that were reported in patients with autoimmune problems. In these mouse models I studied B and T cell development and possible mechanisms contributing to these autoimmunity features. My PhD thesis can be found online here: <https://www.artificial.nl/rag/>.

I attended the CIS summer school in 2016 and the hot topics in immunity and infection in children (IIC) course in Oxford in 2019. I then worked for 8 months in the outpatient clinic of Gertrude's Children's hospital in Nairobi, Kenya, where I joined an initiative of doctors (The A-project) who organized symposia to create more awareness for patients with inborn errors of immunity. I joined the TULIPS (training upcoming leaders in pediatrics) postdoc curriculum in the Netherlands, where young investigators within the field of pediatrics exchange experiences and challenges and get training in specific skills such as grant writing.

When I finish pediatric residency April 2023, my goal is to continue with a clinical fellowship in pediatric immunology and to work as a clinician-scientist in the field of pediatric immunology with a focus on inborn errors of immunity.