



Curriculum Vitae

Personal information **Lotte Tholen**

Work experience

February 2026 - Present
Clinical Assessor | CBG-MEB | Utrecht | The Netherlands
Core activities:
- Evaluating clinical data of medicinal products to assess their efficacy and safety as part of the marketing authorization process.

May 2025 - January 2026
R&D project manager | Future Diagnostics Solutions | Wijchen | The Netherlands
Core activities:
- Supervising a team of laboratory technicians.
- Design, verification and validation of diagnostic assays.
- Collaborating with (inter-)national clients.
- Writing technical reports in accordance with ISO13485 and CLSI guidelines.

December 2022 - March 2025
Product specialist & RNA scientist | RIBOPRO | Oss | The Netherlands
Core activities:
- Providing technical support to customers during the application of our mRNA-technologies.
- Lead and execute projects aimed at optimizing the performance of our mRNA products.
- Represent RIBOPRO during (international) conferences.

April 2018 - June 2023
PhD candidate | Radboudumc | Nijmegen | The Netherlands
Department of Kidney Physiology
PhD thesis: Capturing HNF1 β -mediated gene expression in the kidney
My PhD research focused on the molecular mechanisms of genetic kidney disorders caused by mutations in transcription factor HNF1 β . I aimed to identify molecular targets driving disease development to improve diagnostics and treatment.

Education and training

September 2015 - November 2017
MSc | Radboudumc | Nijmegen | The Netherlands
Molecular Mechanisms of Disease
Differentiation courses in: Immunity, infection and inflammation; Metabolism, transport and motion; Cell growth and differentiation.
Skills: Academic writing, applying for grants, verbal and written presentation of research results.
Research training: Two 6-month research training periods at academic laboratories.

September 2012 - July 2025
BSc | Radboud University | Nijmegen | The Netherlands
Medical Biology
Differentiation courses: Biochemistry and Molecular Biology II, Immunology, Adaptation Physiology, Cell biology of Animals, Functional genomics, Molecular Principles of Development, Molecular basis of Diseases and Essentials of Organic Chemistry.
Research training: A 4-month research training period at an academic laboratory.

Additional information

Publications

1. Eveline J. E. M. Kahlman, Martijn H. van Heugten, Lotte E. Tholen, Maartje F. A. Verploegen, Cornelia G. Spruijt, Pascal W. T. C. Jansen, Michiel Vermeulen, Joost G. J. Hoenderop, Ewout J. Hoorn, Tom Nijenhuis, and Jeroen H. F. de Baaij *Am J Physiol Renal Physiol.* 328:4, F530-F541, 2025
2. Tholen LE, Latta F, Martens JHA, Hoenderop JGJ, de Baaij JHF. Transcription factor HNF1 β controls a transcriptional network regulating kidney cell structure and tight junction integrity. *Am J Physiol Renal Physiol.* Feb 1;324(2):F211-F224, 2023
3. Tholen LE, Schigt H, Kleuskens SGE, Bos C, Spruijt CG, Willemsen B, Vermeulen M, Hoenderop JGJ, de Baaij JHF. HNF1 β -associated cyst development and electrolyte disturbances are not explained by BAIP2L2 expression. *FASEB J.* 37(1):e22696, 2023
4. Tholen LE, Hoenderop JGJ, de Baaij JHF. Mechanisms of ion transport regulation by HNF1 β in the kidney: beyond transcriptional regulation of channels and transporters. *Pflügers Arch.* 474: 901-916, 2022
5. Tholen LE, Bos C, Jansen PWTC, Venselaar H, Vermeulen M, Hoenderop JGJ, de Baaij JHF. Bifunctional protein PCBD2 operates as a co-factor for hepatocyte nuclear factor 1 β and modulates gene transcription. *FASEB J.* 35: e21366, 2021

Projects

Memberships

Other Relevant Information