

Scientific Speed Dating: CV form for mentors

First & Last name: Birgit Koch

Affiliation: Hospital Pharmacist-Clinical Pharmacologist, Full Professor of Clinical Pharmacometrics, supervisor of the clinical pharmacology residency, director of research and teaching pharmacy and part of the pharmacy management team at Erasmus MC. From March 2026 she will department head pharmacy at UMCG.

Career in brief (please specify only the principal steps):

She studied pharmacy at the University of Utrecht in the Netherlands. In 2003 she became a pharmacist. In the same year, she started her residency in Hospital Pharmacy in Meander MC in Amersfoort, which was combined with PhD research after receiving a research grant from the Dutch Kidney Foundation. Her thesis, End-stage renal Disease: Sleep disturbances and the Biological Clock. During her last year of her thesis she started an internship in Clinical Pharmacology at VUmc in Amsterdam.

In October 2009 she started as a hospital pharmacist in Erasmus MC and from October 2011 she is Hospital Pharmacist-Clinical Pharmacologist of the Pharmacy Laboratory of Erasmus MC, focussing on Therapeutic Drug monitoring and Toxicology.

Nowadays, she is member of the executive board of EPASG, the PK/PD group of ESCMID, treasurer of IATDMCT, member the pharmacology committee of UEMS, , member of ISAP, ASCPT, EACPT, the SWAB committee, the medical ethical board, the editorial board of therapeutic drug monitoring, British Journal of Clinical Pharmacology and Clinical Pharmacokinetics. She is member of the alternative sampling and infections committees of IATDMCT and NWO VIDI member. She is chair of the Young Investigator Grant Committee and chair of the expert team Knowledge security of Erasmus MC.

She authored > 270 publications on PK/PD, Therapeutic Drug Monitoring and Toxicology and she is the PI of several studies on model-based dosing, TDM and PK in antibiotics and psychoactive drugs, with funding > 3.000 K. Her research focuses on alternative

matrices, pharmacokinetics and pharmacodynamics of drugs in special populations and toxicology during pregnancy. At the moment, she supervises 24 PhD students (and 9 finished).

<https://pubmed.ncbi.nlm.nih.gov/?term=koch+bc>

Main field of expertise (max 3 topics of interest):

- PK/PD and Model-informed Precision Dosing
- Clinical Pharmacology
- TDM

Personal statements about myself:

I like to collaborate and mentor people, mother of 2 adolescents, I love to ski, cook and travel.