

Curriculum vitae

Christel Bergström



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Personal Data

Citizenship: Swedish. Born: 1973
Married, three children born 2003, 2005, 2008.
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Research statement: As a drug delivery scientist, I make use of knowledge of physiological pathways to improve delivery of pharmacologically active compounds to the site of action. With a strong background in pharmaceutics, material sciences, physical chemistry and physiology, I focus on making use of *the right tech* with a clinical translation in mind from day one. I work multidisciplinary and make use of advanced computational modelling, develop novel in vitro tools and design new type(s) of drug carriers in my quest for personalized medicines transforming the current healthcare.

Higher education, Post-doctoral positions, docent appointment, previous and present positions

1998 Master of Science (Pharmacy), Uppsala University. Master thesis performed with Prof Ronald T. Borchardt, University of Kansas, U.S.
2003 Doctor of Pharmacy, Uppsala University. Subject: Pharmaceutics. Title: Computational and experimental models for the prediction of intestinal drug solubility and absorption
2004-2009 Head, Center of Pharmaceutical Informatics, Uppsala University (now UDOPP)
2009-2013 Assistant Professor (Drug delivery), Uppsala University
2010 Associate Professor Pharmaceutics, Uppsala University
2010-2013 Marie Curie International Qualification Fellow, Monash University, Australia (2010-2012) and Uppsala University, Sweden (2012-2013)
2012-2022 Adjunct Associate Professor, Monash University, Australia
2014-2015 Researcher (80%), Lecturer (20%), Uppsala University
2016-2020 Senior lecturer, Uppsala University
2016-2017 Coordinator, International master program in Pharmaceutical Modelling, Uppsala University
2017- Deputy Dean Collaboration (Medicine and Pharmacy) Uppsala University
2020- Director, The Swedish Drug Delivery Center
2020- Professor in Molecular Pharmaceutics, Uppsala University
2021- CEO, Enphasys AB

Appointments/commissions of trust (only five last years are listed)

2022- Board member VeltioPharma AB
2021- SAB member of inPharma, an EID network (<https://www.inpharma-network.eu/>)
2021- SAB member of DrugTech at University of Eastern Finland (<https://www.uef.fi/en/research-community/drug-discovery-and-delivery-technologies-drugtech>)
2021- Chair of the board, SWEDESD
2020- Chair, SciFest (a popular science activity arranged annually by Uppsala University)
2020 Guest editor, Journal of Pharmaceutical Sciences (special issue dedicated to Prof Per Artursson): ADMET & DMPK (Solubility special issue)
2019- Chair of the board, Enphasys AB
2019- Chair of the board, Kibekon AB
2018- Associate editor Molecular Pharmaceutics
2018- EXCO member, Nordic POP
2018- External examiner in pharmaceutics, University College Cork

2018 Guest editor, Journal of Pharmaceutical Sciences (Fifty-eight years and counting: high-impact publishing in computational pharmaceutical sciences and mechanism-based modeling)

2017-2021 Member of Uppsala University Quality Advisory Board

2017- Chair, Committee of Collaboration (Medicine and Pharmacy)

2017- Member of Uppsala University Collaboration Advisory Board

2017- Member of Faculty of Pharmacy advisory board, Uppsala University

2017- Member of Faculty of Pharmacy steering committee, Uppsala University

2017- Board member of Disciplinary domain (Medicine and Pharmacy), Uppsala University

2017- Editorial board member, Journal of Pharmaceutical Sciences

2016 Guest editor, Advanced drug delivery reviews (Understanding the challenge of beyond-rule-of-5 compounds)

2016- EXCO member, Globalization Pharmaceuticals Education Network, US

2016-2018 Editorial board member, Molecular Pharmaceutics

In addition to these commission of trust, member of the steering committee of SciFest (2017-2020). Opponent (examiner) of 11 PhD theses (Denmark (x4), Ireland (x2), Finland, Norway, Australia, England, Switzerland), examination board member of nine PhD committees

Patents and innovations

One patent application for a new in vitro method allowing digestion and absorption to be studied simultaneously. Basis for the company, Enphasys AB, cofounded by Bergström and Dr Janneke Keemink in 2019 (www.enphasys.se). Founder of the company Kibekon AB with focus on consulting within pharmaceutical profiling and drug delivery.

Awards

2021 The Källrot Award

2020 ERC Proof of Concept Award (Development of the enabling absorption device)

2019 Attractive Innovation Award (received from Uppsala University Innovation)

2018 Gattefossé North America Award for Excellence in Research & Development with Lipid Excipients

2014 European Research Council Starting Grant Recipient

2014 Nordic Prize for Research without Animal Experiments

2011 AAPS Pharmaceutical Research meritorious manuscript award 2011: Matsson P., Pedersen J., Norinder U., Bergström C.A.S., Artursson P. Identification of novel, specific and general inhibitors of the three major human ATP-binding cassette transporters P-gp, BCRP and MRP2 among registered drugs.

2010 Marie Curie International Qualification Fellow

2005 European Journal of Pharmaceutical Sciences Most cited paper 2004 award; Bergström C.A.S., Luthman K., Artursson P., “Accuracy of calculated pH-dependent aqueous drug solubility”.

2005 Award (400,000 SEK) to promising young scientist Medicine and Pharmacy, Uppsala University

Supervision

PhD students: Currently main supervisor of eight PhD students and cosupervisor of seven PhD students. Eight PhD students have graduated. Post docs: Currently mentoring seven postdoctoral researchers, nine have performed their post doc in my group. Supervised 28 Master (30 ECT), 6 diploma (15 ECT) and 12 summer project students.

Papers, Book chapters, Funding

97 original articles, 33 reviews and book chapters, H-index of 43, 6436 citations (June 27, 2022; google scholar). Attracted funding from ERC (2x), VR (multiple since 2008), NIH, EU (multiple), SSF and Family Persson Foundation.