

Curriculum vitae

Status: December 2021

Univ.-Prof. Dr. Andreas Bernkop-Schnürch

University of Innsbruck
Institute of Pharmacy /Dep. of Pharmaceutical Technology
Center for Chemistry and Biomedicine, Innrain 80/82
Room L.04.231, 6020 Innsbruck

E-Mail andreas.bernkop@uibk.ac.at



Academic education and positions held:

October 2021 –	Member of the Senate of the University of Innsbruck
October 2016 – Dec. 2018	Member of the Scientific Committee of the Innovative Medicines Initiative (IMI) of the European Union in Brussels
March 2013 – Feb. 2017	Head of the Institute of Pharmacy, Leopold-Franzens-Universität, Innsbruck
Since October 2014	Member of the Scientific Advisory Board of the Nicotine Science Center, Denmark
May 2006 – Feb. 2013	Dean of the Faculty of Chemistry and Pharmacy
Since September 2003	Chairman and Head of the Department of Pharmaceutical Technology, Leopold-Franzens-Universität, Innsbruck
April 2001	Offer for the C3-Professur, Institute of Pharmaceutical Technology and Biopharmaceutics, Ludwig-Maximilians-University, Munich, Germany
June 2000	Offer for the Chair in Pharmaceutics, School of Pharmacy, University of London
March 1999	Associate Professor at the Institute of Pharmaceutical Technology and Biopharmaceutics, University of Vienna
Nov. 1998	Habilitation for Pharmaceutical Technology, University of Vienna
April 1998	Second position in the ranking for the Chair in Pharmaceutical Technology and Biopharmaceutics (C4-Professor), Ludwig-Maximilians-University, Munich, Germany
May 1996	Proof of qualification for the wholesale trade of drugs
1994	Reader for: 'Peptide and Protein Drugs' 'Manufacturing of Cosmetics' and 'Manufacturing of Dosage Forms'
Oct. 1993 - May 1994	Military service
April 1994	Graduation as doctor for natural sciences at the University of Vienna
June 1991 - Oct. 1992	Scientific work at the Institute of Microbiology and Genetics, University of Vienna
March 1991	Employment as 'University Assistant' at the Institute of Pharmaceutical Technology, University of Vienna
1990-1991	Practicing at a pharmacy in Vienna
Feb. 1990	Master degree at the University of Vienna
1984-1990	Study of pharmacy at the University of Vienna
1976-1984	Secondary school (Bundesgymnasium, St. Veit/Glan) -stress on natural science
1972-1976	Public primary school in St. Veit/Glan

Prizes awarded:

1997	HERBA-Award
1999	Research-Award of the City of Vienna
2000	Eurand-Award
2001	Best of Biotech Award
2002	MBPW Award
2003	Best of Biotech Award
2004	Adventure X Award
2004	Most Cited Paper Awards
2005	Phoenix Award
2006	Houska-Award
2008	Austrian Innovation Award

2008	Austrian Nano Award
2015	Ernst Brandl Award
2017	Most Cited Paper Award EJPB
2017	Gattefosse Award North America

Research Funding:

FWF projects

1998-2001	Development of drug delivery systems for the peroral administration of peptide and protein drugs
1999-2002	Development of drug carrier systems with improved mucoadhesive properties
2000-2002	Ocularia based on new mucoadhesive polymers
2002-2005	Thiolated polymers in peptide drug delivery systems
2003-2005	Synthesis and evaluation of thiolated chitosan derivatives
2004-2006	Development of novel non absorbable permeation enhancers
2005- 2009	Design and characterisation of thiomers-nanoparticles
2011-2016	Preactivated thiomers
2017-2021	Oral Peptide Delivery: Design of Peptide/Lipid Complexes
2017-2021	Zeta potential changing nanocarrier systems

BFS project

2007-2008	Kationische Nanopartikel zum Targeting der Angiogenese
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FFG project

2005-2012	Nano-structured materials for drug targeting, release and imaging (Nano-Health)
2014-2017	Novel Antiperspirants
2016-2019	Development of highly efficient nanocarrier systems for treatment of cystic fibrosis

EU projects

2006-2010	Nanoscale functionalities for targeted drug delivery of biopharmaceutic (NANOBIOPHARMACEUTICS)
2012-2016	Mucus permeating nanoparticulate drug delivery systems (ALEXANDER)
2017-2021	Understanding gastrointestinal absorption-related processes (UNGAP)
2021-2024	A novel RNAi-based oomicide against <i>P. viticol</i> (SIRNACIDE)
2021-2025	Nano bio-responsive systems designed to avoid staphylococcal colonization of implant interfaces (NANOBIORS)

Others

2004-2008	west austrian initiative for nano networking
2006-2017	Development of highly efficient drug delivery systems
2013-2014	Thiolated chitosans as drug carrier for an oral anticancer drug formulation
2017-2018	Development and in vitro characterisation of an oral self –emulsifying delivery of rutin

Editorial/Advisory Board Member:

Biomedical Research International
Drug Delivery Letters
Drug Development Industrial Pharmacy
European Journal of Pharmaceutics and Biopharmaceutics
Journal of Drug Delivery

Journal of Drug Delivery Science and Technology
Journal of Drug Discovery, Development and Delivery
Pharmaceutical Research
Scientia Pharmaceutica
World Journal of Pharmacology
World Journal of Translational Medicine

Theme Editor for:

Advanced Drug Delivery Reviews
Journal of Drug Targeting
European Journal of Pharmaceutics and Biopharmaceutics

Publications:

496 research articles and reviews; 12 patents; H-Index 80 (google:scholar)

Ten recent important publications:

Friedl JD, Nele V, De Rosa G, Bernkop-Schnürch A., Bioinert, Stealth or Interactive: How Surface Chemistry of Nanocarriers Determines Their Fate In Vivo. *Adv. Funct. Mat.* 2021 Early View

Asim MH, Ijaz M, Rösch AC, Bernkop-Schnürch A, Thiolated cyclodextrins: New perspectives for old excipients. *Coordination Chemistry Reviews* 2020 October 1; 420; 213433.

Asim MH, Nazir I, Jalil A, Laffleur F, Matuszczak B, Bernkop-Schnürch A. Per-6-Thiolated Cyclodextrins: A Novel Type of Permeation Enhancing Excipients for BCS Class IV Drugs. *ACS Appl Mater Interfaces.* 2020 Feb 19;12(7):7942-7950.

Phan TNQ, Shahzadi I, Bernkop-Schnürch A. Hydrophobic ion-pairs and lipid-based nanocarrier systems: The perfect match for delivery of BCS class 3 drugs. *J Control Release.* 2019 Jun 28;304:146-155.

Leichner C, Jelkmann M, Bernkop-Schnürch A. Thiolated polymers: Bioinspired polymers utilizing one of the most important bridging structures in nature. *Adv Drug Deliv Rev.* 2019 Nov-Dec;151-152:191-221.

Mahmood A, Bernkop-Schnürch A. SEDDS: A game changing approach for the oral administration of hydrophilic macromolecular drugs. *Adv Drug Deliv Rev.* 2019 Mar 1;142:91-101.

Bernkop-Schnürch A. Strategies to overcome the polycation dilemma in drug delivery. *Adv Drug Deliv Rev.* 2018 Nov-Dec;136-137:62-72.

Bernkop-Schnürch A, Jalil A, Do drug release studies from SEDDS make any sense? *J Control Release.* 2018 Feb 10;271:55-59.

Menzel C, Holzeisen T, Laffleur F, Zaichik S, Abdulkarim M, Gumbleton M, Bernkop-Schnürch A, In vivo evaluation of an oral self-emulsifying drug delivery system (SEDDS) for exenatide, *J. Control. Release* 277 (2018) 165–172.

Bonengel S, Jelkmann M, Abdulkarim M, Gumbleton M, Reinstadler V, Oberacher H, Prüfert F, Bernkop-Schnürch A, Impact of different hydrophobic ion pairs of octreotide on its oral bioavailability in pigs, *J. Control. Release* 273 (2018) 21–29.