

## Curriculum vitae

### Univ.-Prof. Dr. Andreas Bernkop-Schnürch

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### Personal details

*Name:* Univ.-Prof. Dr. Andreas Richard BERNKOP SCHNÜRCH

*Born:* 1965 12 06 in Klagenfurt

*Nationality:* Austrian

*Marital status:* married; 3 children;

### Academic education and positions held

2022	Guest Professor, Department of Pharmacy, University of Bari Aldo Moro
October 2021 – present	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
October 2014 – present	Member of the Scientific Advisory Board of the Nicotine Science Center, Denmark
May 2006 – Feb. 2013	Dean of the Faculty of Chemistry and Pharmacy
2005 – 2020	Director of the Bärenapotheke, St.Veit/Glan
September 2003 – present	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/Gla

## Scientific Interests

Thiolated polymers (Thiomers)  
Drug delivery  
Polymer engineering  
Nanotechnology  
Hydrogels

## Main Scientific Achievements

Thiolated polymers (=thiomers) as multifunctional auxiliary agents for pharmaceutical and medical use  
Charge converting nanocarriers for mucosal drug delivery  
Lipid-based nanoparticles for oral peptide delivery  
Thiolated nanoparticles for drug delivery

## Prizes/Awards

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
2022	Phoenix Award

## 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
2017-2023	Oral Peptide Delivery: Design of Peptide/Lipid Complexes
2017-2023	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
2019-2022	Development of intra-intestinal delivery systems for anti-TNF-alpha antibodies
2022-2023	Nanocarrier: Potential und Schutz vor möglichen Risiken für Mensch und Umwelt

### 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 oomycide against <i>P. viticola</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

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

## Companies Founded

Mucobiomer Biotechnologische Forschungs- und Entwicklungs GmbH (now part of the Cromapharma GmbH)  
ThioMatrix Forschungs und Beratungs GmbH  
Dr. A. Bernkop-Schnürch KG  
Green River Polymers Forschungs- und Entwicklungs GmbH

## Publications

Over 500 research articles and reviews (full list of publications can be downloaded from <https://www.uibk.ac.at/pharmazie/phtech/drugdelivery/staff/bernkop.html>); 12 patents; listed as a Highly Cited Researcher of the Institute of Scientific Information; H-Index 86 (google:scholar); # of citations >30,000;

## Invited Presentations to International Conferences

Over 100 invited presentations at international conferences and workshops (full list of publications can be downloaded from <https://www.uibk.ac.at/pharmazie/phtech/drugdelivery/staff/bernkop.html>).