

Curriculum Vitae – Priv. Dozⁱⁿ. Mag^a. pharm. Drⁱⁿ. rer. nat. Karin Albrecht-Schgör

Personal information:

Date of Birth Oct 8, 1979
Place of Birth Feldkirch, Vorarlberg
Nationality Austrian
Marital status married, one son
Business Address Division of Translational Cell Genetics,
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Main areas of research: adaptive and innate immune signalling in cerebral and infectious immunology

Relevant Career History:

1998 Matura, Academic Gymnasium Feldkirch (humanistic branch), Austria

1998 2004 Study of pharmacy, Leopold-Franzens University, Innsbruck, Austria

- Master thesis: “Interactions between Substance P and amino acid release from the medial amygdala” Institute of Pharmacology and Toxicology (Ao.Univ.-Prof. Dr. N. Singewald)

2004 2007 PhD thesis, Leopold-Franzens University, Innsbruck, Austria, Institute of Pharmacy, Pharmaceutical Technology (Univ.-Prof. Dr. A. Bernkop-Schnürch)

- PhD thesis: “Thiolated polymers: design and in vivo evaluation of oral micro- and nanoparticulate drug delivery systems”

2007 2008 Practical pharmaceutical year, Andreas-Hofer Pharmacy, Innsbruck, Austria

2008 2013 Postdoctoral scientist, Medical University Innsbruck, Austria, Internal Medicine III, Department of Cardiology and Angiology (Ao. Univ.-Prof. Dr. R. Kirchmair)

- Research: Endothelial cell signalling and investigation of angiogenic properties of neuropeptides for translational research in the field of cardiovascular diseases

2013	2015	Maternal leave
2015	onwards	Postdoctoral scientist, Medical University Innsbruck, Austria, Division of Translational Cell Genetics, Department for Medical Genetics (Univ.-Prof. Dr. G. Baier)
2019		Habilitation thesis: “ The endothelial cell as target for new therapeutic approaches” and fulfilment of the requirements for the venia docendi in cellular biology

Personal Awards: Sanofi-Award (2013)

Teaching activities: Tutor and assistant professor for pharmaceutical chemistry and pharmaceutical technology at the Leopold-Franzens University Innsbruck, Austria (2003-2008)

Conference lectures (selection): Keystone Symposium on Angiogenesis, Snowbird, Utah, USA (2012), 8th International Symposium on the Biology of Endothelial Cells, Zurich, Switzerland (2011), Academic Surgical Congress, Los Angeles, California, USA (2011)

Career-related activities: Member of the Helene Wastl Club at the Medical University of Innsbruck, Registered reviewer for PloS ONE online journal

Additional education: FELASA C laboratory animal course, Munich, Germany (2010)

Publications of Karin Albrecht-Schgoer as first and/or corresponding author:

Albrecht-Schgoer K, Barthelmes J, Schgoer W, Theurl M, Nardin I, Lener D, Gutmann C, Dünnhaupt S, Bernkop-Schnürch A, Kirchmair R. Nanoparticle delivery system for a secretoneurin derivative induces angiogenesis in a hind limb ischemia model. *J Control Release*. 2017 Mar 28; 250:1-8.

Albrecht-Schgoer K[#], Pfeifhofer-Obermair C[#], Peer S, Nairz M, Siegmund K, Klepsch V, Haschka D, Thuille N, Hermann-Kleiter N, Gruber T, Weiss G, Baier G. Role of PKC θ in macrophage-mediated immune response to *Salmonella typhimurium* infection in mice. *Cell Commun Signal*. 2016 Jul 28; 14(1):14. [#] equal contribution;

Albrecht-Schgoer K, Schgoer W, Theurl M, Stanzl U, Lener D, Dejaco D, Zelger B, Franz WM, Kirchmair R. Topical secretoneurin gene therapy accelerates diabetic wound healing by interaction between heparan-sulfate proteoglycans and basic FGF. *Angiogenesis*. 2014 Jan;17(1):27-36.

Albrecht-Schgoer K[#], Schgoer W[#], Holfeld J, Theurl M, Wiedemann D, Steger C, Gupta R, Semsroth S, Fischer-Colbrie R, Beer AG, Stanzl U, Huber E, Misener S, Dejaco D, Kishore R, Pachinger O, Grimm M,

Bonaros N, Kirchmair R. The angiogenic factor secretoneurin induces coronary angiogenesis in a model of myocardial infarction by stimulation of vascular endothelial growth factor signaling in endothelial cells. *Circulation*. 2012 Nov 20;126(21):2491-501. # equal contribution;

Albrecht K, Greindl M, Deutel B, Kremser C, Wolf C, Talasz H, Stollenwerk MM, Debbage P, Bernkop-Schnürch A. In vivo investigation of thiomers-polyvinylpyrrolidone nanoparticles using magnetic resonance imaging. *J Pharm Sci*. 2010 Apr;99(4):2008-17.

Albrecht K, Zirm EJ, Palmberger TF, Schlocker W, Bernkop-Schnürch A. Preparation of thiomers microparticles and in vitro evaluation of parameters influencing their mucoadhesive properties. *Drug Dev Ind Pharm*. 2006 Nov-Dec;32(10):1149-57.

Albrecht K, Greindl M, Kremser C, Wolf C, Debbage P, Bernkop-Schnürch A. Comparative in vivo mucoadhesion studies of thiomers formulations using magnetic resonance imaging and fluorescence detection. *J Control Release*. 2006 Sep 28;115(1):78-84. Epub 2006 Jun 28.

Reviews:

Albrecht K, Bernkop-Schnürch A. Thiomers: forms, functions and applications to nanomedicine. *Nanomedicine (Lond)*. 2007 Feb;2(1):41-50. Review.