

## Curriculum Vitae – Mag. pharm. Dr. 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  
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**Main areas of research:** innate immune signalling with focus on macrophages, myeloid derived suppressor cells and neutrophils, cerebral and infectious immunology, cancer immunology

### Relevant Career History:

1998		Matura, Academic Gymnasium Feldkirch (humanistic branch), Austria
1998	2004	Study of pharmacy, Leopold-Franzens University, Innsbruck, Austria <ul style="list-style-type: none"><li>• 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)</li></ul>
2004	2007	PhD thesis, Leopold-Franzens University, Innsbruck, Austria, Institute of Pharmacy, Pharmaceutical Technology (Univ.-Prof. Dr. A. Bernkop-Schnürch) <ul style="list-style-type: none"><li>• PhD thesis: “Thiolated polymers: design and in vivo evaluation of oral micro- and nanoparticulate drug delivery systems”</li></ul>
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) <ul style="list-style-type: none"><li>• Research: Endothelial cell signalling and investigation of angiogenic properties of neuropeptides for translational research in the field of cardiovascular diseases</li></ul>
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)

**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<sup>#</sup>**, Pfeifhofer-Obermair C<sup>#</sup>, Peer S, Nairz M, Siegmund K, Klepsch V, Haschka D, Thuille N, Hermann-Kleiter N, Gruber T, Weiss G, Baier G. Role of PKC $\theta$  in macrophage-mediated immune response to *Salmonella typhimurium* infection in mice. *Cell Commun Signal*. 2016 Jul 28; 14(1):14. <sup>#</sup> 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<sup>#</sup>**, Schgoer W<sup>#</sup>, 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. <sup>#</sup> 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.