

## *Curriculum vitae*

DI(FH) Anita Brindlmayer, PhD (Schildberger)

### Personal Data

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**Date of birth** 14-08-1984, St.Pölten, Austria

**Contact** University for Continuing Education Krems

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### Current Position

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**since 2010 Postdoc**

Center for Biomedical Technology

Department for Biomedical Research

University for Continuing Education Krems, Austria

### Education

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**Sep 2002 – Jun 2006 IMC Krems University of Applied Sciences –  
Program Medical and Pharmaceutical Biotechnology  
Krems, Austria**

**2006 Graduation DI(FH)**

**Aug 2006 – Sep 2010 Medical University of Vienna –  
PhD Program Molecular Signal Transduction  
Vienna, Austria**

**2010 Promotion (PhD)**

### Academic and Professional Career

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**Jul 2004 – Sep 2004 Internship in cancer biology**

German Cancer Research Center in the group of Prof. Dr. Adhelheid

Cerwenka

Heidelberg, Germany

**Jul 2005 – Feb 2006 Diploma Thesis**

Diploma thesis title: “NF-kB Activity in a Cell Culture-Based Model of Endotoxin-Induced Sepsis”

Department for Health Sciences and Biomedicine

University for Continuing Education Krems, Krems, Austria

**Aug 2006 – Sep 2010 PhD Thesis**

Doctoral thesis title: “Testing of Specific Adsorbents on Endothelial Cell Activation in a Two-Step Cell Culture Model of Gram-Negative Sepsis”;

Department for Health Sciences and Biomedicine

University for Continuing Education Krems, Austria

**Since Aug 2010 Post-doctoral Training**

Department for Health Sciences and Biomedicine

University for Continuing Education Krems, Krems, Austria

**Mar 2012 – Dec 2012 Maternity leave**

**Jul 2014 – Feb 2017**

**Research Interests**

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- Pathophysiology of sepsis, [www.sepsisresearch.at](http://www.sepsisresearch.at)
- Endothelial Activation
- Cell Culture Models
- Cytokine Modulation by Extracorporeal Therapies
- Extracellular Vesicles
- Pathogen Detection

**Awards**

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- “ESAO-Wichtig-Research Award 2009” from the European Society of Artificial Organs for the paper: “Monitoring of endothelial cell activation in experimental sepsis with a two-step cell culture model”
- Travel award of the Shock Society for the 13th Congress of the European Shock Society 2009

**Memberships in Professional Societies**

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**ÖGMBT** Austrian Association of Molecular Life Sciences and Biotechnology,  
[www.oegmbt.ac.at](http://www.oegmbt.ac.at)

**ASEV** Austrian Society for Extracellular Vesicles, [www.asev.at](http://www.asev.at)

## Peer-Reviewed Articles

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Huber S, Knoll MA, Berktold M, Würzner R, Brindlmayer A, Weber V, Posch AE, Mrazek K, Lepuschitz S, Ante M, Beisken S, Orth-Höller D, Weinberger J. Genomic and Phenotypic Analysis of Linezolid-Resistant *Staphylococcus epidermidis* in a Tertiary Hospital in Innsbruck, Austria. *Microorganisms*. 2021 May 10;9(5):1023. doi: 10.3390/microorganisms9051023. PMID: 34068744; PMCID: PMC8150687.

Huber S, Weinberger J, Pilecky M, Lorenz I, Schildberger A, Weber V, Fuchs S, Posch W, Knabl L, Würzner R, Posch AE, Orth-Höller D. A high leukocyte count and administration of hydrocortisone hamper PCR-based diagnostics for bloodstream infections. *Eur J Clin Microbiol Infect Dis*. 2021 Jul;40(7):1441-1449. doi: 10.1007/s10096-020-04126-w. Epub 2021 Feb 5. PMID: 33547522.

Pilecky M, Schildberger A, Knabl L, Orth-Höller D, Weber V. Influence of antibiotic treatment on the detection of *S. aureus* in whole blood following pathogen enrichment. *BMC Microbiol*. 2019 Aug 6;19(1):180. doi: 10.1186/s12866-019-1559-7. PMID: 31387527; PMCID: PMC6683330.

Pilecky M, Schildberger A, Orth-Höller D, Weber V. Pathogen enrichment from human whole blood for the diagnosis of bloodstream infection: Prospects and limitations. *Diagn Microbiol Infect Dis*. 2019 May;94(1):7-14. doi: 10.1016/j.diagmicrobio.2018.11.015. Epub 2018 Nov 26. PMID: 30579657.

Schildberger A, Rossmannith E, Eichhorn T, Strassl K, Weber V. Monocytes, peripheral blood mononuclear cells, and THP-1 cells exhibit different cytokine expression patterns following stimulation with lipopolysaccharide. *Mediators Inflamm*. 2013;2013:697972. doi: 10.1155/2013/697972. Epub 2013 May 29. PMID: 23818743; PMCID: PMC3681313.

Schildberger A, Buchacher T, Weber V, Falkenhagen D. Adsorptive modulation of inflammatory mediators dampens endothelial cell activation. *Blood Purif*. 2011;32(4):286-95. doi: 10.1159/000330329. Epub 2011 Aug 26. PMID: 21876351.

Schildberger A, Rossmannith E, Weber V, Falkenhagen D. Monitoring of endothelial cell activation in experimental sepsis with a two-step cell culture model. *Innate Immun*. 2010 Oct;16(5):278-87. doi: 10.1177/1753425909341885. Epub 2009 Aug 26. PMID: 19710092.

Schwanzer-Pfeiffer D, Rossmannith E, Schildberger A, Falkenhagen D. Characterization of SVEP1, KIAA, and SRPX2 in an in vitro cell culture model of endotoxemia. *Cell Immunol*. 2010;263(1):65-70. doi: 10.1016/j.cellimm.2010.02.017. Epub 2010 Feb 26. PMID: 20236627.