

## *Curriculum vitae*

Tanja Eichhorn, MSc PhD

### Personal Data

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**Date of birth** 27-06-1987, Waidhofen/Thaya, Austria

**Contact** Danube University Krems  
Dr.-Karl-Dorrek-Strasse 30  
3500 Krems  
Phone: +43 (0)2732 893-2612  
E-Mail: tanja.eichhorn@donau-uni.ac.at

### Current Position

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**since 2018 Postdoc**

Christian Doppler Laboratory for Innovative Therapy Approaches in Sepsis  
Department for Biomedical Research  
Danube University Krems, Krems, Austria

### Education

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**Sep 2006 – Jun 2009 IMC Krems University of Applied Sciences – Bachelor's Program  
Medical and Pharmaceutical Biotechnology**

Krems, Austria

**2009 Graduation (BSc), with distinction**

**Sep 2009 – Jun 2011 IMC Krems University of Applied Sciences – Master's Program Medical  
and Pharmaceutical Biotechnology**

Krems, Austria

**2011 Graduation (MSc), with distinction**

**Oct 2012 – Dec 2017 Medical University of Vienna – PhD Program Vascular Biology**

Vienna, Austria

**2017 Promotion (PhD), with distinction**

### Academic and Professional Career

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**Jul 2008 – Feb 2009 Bachelor Thesis**

Department for Health Sciences and Biomedicine  
Danube University Krems, Krems, Austria

**Jul 2009 Internship**

Institute Inspections, Medical Devices and Hemovigilance  
Austrian Agency for Health and Food Safety (AGES), PharmMed, Vienna,  
Austria

**Aug 2010 – Feb 2011 Master Thesis**

Secondment within the Marie Curie Industry-Academia Partnerships and Pathways on Monolithic Adsorbent Columns for Extracorporeal Medical Devices and Bioseparations, MONACO-EXTRA project FP 7  
Protista Biotechnology AB, Lund, Sweden and  
Danube University Krems, Krems, Austria

**Mar 2012 – Feb 2013 Research Associate**

**Sep 2011 – Feb 2012** Department for Health Sciences and Biomedicine  
Danube University Krems, Krems, Austria

**Mar 2013 – Dec 2017 PhD Thesis**

Christian Doppler Laboratory for Innovative Therapy Approaches in Sepsis  
Department for Health Sciences and Biomedicine  
Danube University Krems, Krems, Austria

**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

**Awards**

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- Würdigungspreis, Federal Ministry of Science and Research (2011)
- Krems Cooperation Research Award, Biotec Area Krems (2017)
- Poster Award, Winter School of the European Society for Artificial Organs (2018)

**Memberships in Professional Societies**

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**ESAO** European Society for Artificial Organs, [www.esao.org](http://www.esao.org)

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

## Peer-Reviewed Articles

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Fendl B, Eichhorn T, Weiss R, Tripisciano C, Spittler A, Fischer MB, Weber V (2018) Differential interaction of platelet-derived extracellular vesicles with circulating immune cells: roles of TAM receptors, CD11b, and phosphatidylserine. *Frontiers in Immunology* 9:2797

Gubensek J, Strobl K, Harm S, Weiss R, Eichhorn T, Buturovic-Ponikvar J, Weber V, Hartmann J (2018) Influence of citrate concentration on the activation of blood cells in an in vitro dialysis setup. *PLoS One* 13(6):e0199204.

Weiss R, Gröger M, Rauscher S, Fendl B, Eichhorn T, Fischer MB, Spittler A, Weber V (2018) Differential interaction of platelet-derived extracellular vesicles with leukocyte subsets in human whole blood. *Sci Rep* 8(1):6598.

Eichhorn T, Hartmann J, Harm S, Linsberger I, König F, Valicek G, Miestinger G, Hörmann C, Weber V (2017) Clearance of selected cytokines with continuous veno-venous hemodialysis using Ultraflux EMiC2 versus Ultraflux AV1000S. *Blood Purif* 44:260-266.

Tripisciano C, Weiss R, Eichhorn T, Spittler A, Heuser T, Fischer MB, Weber V (2017) Different potential of extracellular vesicles to support thrombin generation: Contributions of phosphatidylserine, tissue factor, and cellular origin. *Sci Rep* 7(1):6522.

Eichhorn T, Fischer MB, Weber V (2017) Mechanisms of endothelial activation in sepsis and cell culture models to study the heterogeneous host response. *Int J Artif Organs* 40(1):9-14.

Weiss R and Eichhorn T, Spittler A, Mičušić M, Fischer MB, Weber V (2017) Release and cellular origin of extracellular vesicles during circulation of whole blood over adsorbent polymers for lipid apheresis. *J Biomed Mater Res B* 105(3):636-646.

Eichhorn T, Rauscher S, Hammer C, Gröger M, Fischer MB, Weber V (2016) Polystyrene-divinylbenzene based adsorbents reduce endothelial activation and monocyte adhesion under septic conditions in a pore-size dependent manner. *Inflammation* 39(5):1737-1746.

Tripisciano C, Eichhorn T, Harm S, Weber V (2014) Adsorption of the Inflammatory Mediator High-Mobility Group Box 1 by Polymers with Different Charge and Porosity. *Biomed Research International* 238160.

Schildberger A, Rossmannith E, Eichhorn T, Strassl K, Weber V (2013) Monocytes, Peripheral Blood Mononuclear Cells, and THP-1 Cells Exhibit Different Cytokine Expression Patterns Following Stimulation with Lipopolysaccharide. *Mediators of Inflammation* 697972

Eichhorn T, Ivanov AE, Dainiak MB, Leistner A, Linsberger I, Jungvid H, Mikhalovsky SV, Weber V (2013) Macroporous composite cryogels with embedded polystyrene divinylbenzene microparticles for the adsorption of toxic metabolites from blood. *Journal of Chemistry* 348412