

Curriculum vitae

Dipl.-Ing. Birgit Fendl, BSc

Personal Data

Date of birth 29-06-1992, Lilienfeld, Austria

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Current Position

Since Mar 2016 PhD Thesis

Christian Doppler Laboratory for Innovative Therapy Approaches in Sepsis

Department for Health Sciences and Biomedicine

Danube University Krems, Krems, Austria

Working title: *Interaction of Extracellular Vesicles with Immune Cells*

Supervisor: Univ.-Prof. Dr. Viktoria Weber

Education

Oct 2010 – Jul 2013 University of Natural Resources and Life Sciences – Bachelor's Program Food Science and Biotechnology

Vienna, Austria

2013 Graduation (BSc), with distinction

Aug 2013 – Feb 2016 University of Natural Resources and Life Sciences – Master's Program Biotechnology

Vienna, Austria

2016 Graduation (Dipl.-Ing.), with distinction

Since Mar 2016 University of Natural Resources and Life Sciences – PhD Program Food Science and Biotechnology

Vienna, Austria

Academic and Professional Career

Sep 2012 Internship

Medizinisch-Diagnostisches Laboratorium Dr. Gabriele Greiner, Vienna,

Austria

Aug 2013 – Sep 2013 Internship

Aug 2014 – Sep 2014 AFFiRiS, Vienna, Austria

Mar 2015 – Feb 2016 Master Thesis

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

Title: *Influence of Anticoagulation on Release and Detection of Microvesicles
in Whole Blood*

Supervisor: Univ.-Prof. Dr. Viktoria Weber

Research Interests

- Pathophysiology of sepsis, www.sepsisresearch.at
- Extracellular vesicles
- Flow cytometry
- Nanoparticle Tracking Analysis

Awards

- Performance Scholarship from the University of Natural Resources and Life Sciences, Vienna (2011-2013)
- Wissen schafft Zukunft Preis 2017 for academic thesis from the NÖ Forschungs- und Bildungsges.m.b.H.

Memberships in Professional Societies

ASEV Austrian Society for Extracellular Vesicles, www.asev.at

ESAO European Society for Artificial Organs, www.esao.org

ÖGMBT Austrian Association of Molecular Life Sciences and Biotechnology,
www.oegmbt.ac.at

Language Skills

German First language

English Reading and writing fluently

Latin 6 years

Ancient Greek 4 years

Software Skills

Systemes Apple, Linux, Microsoft

Software Microsoft Word, PowerPoint, Excel

GraphPad Prism, SigmaPlot, SPSS

LaTeX

Corel Draw

R, Python

Peer-Reviewed Articles

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* (in revision)

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.

Fendl B, Weiss R, Fischer MB, Spittler A, Weber V (2016) Characterization of extracellular vesicles in whole blood: Influence of pre-analytical parameters and visualization of vesicle-cell interactions using imaging flow cytometry. *Biochem Biophys Res Commun* 478(1):168-173.