Curriculum vitae

Mag. René Weiss, PhD

Personal Data

Date of birth 08-04-1984, St. Pölten, Austria

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Current Positions, Employment, and Faculty Appointments

since 2013 **Research Associate, Christian Doppler Laboratory**
Innovative Therapy Approaches in Sepsis www.sepsisresearch.at

Education

2004 - 2009 **University of Vienna (Molecular Biology)**, Vienna, Austria

2009 **Graduation** (Mag.)

2010 - 2013 **PhD thesis**
Medical University of Vienna (Immunology), Vienna, Austria

2013 **Promotion** (PhD)

Academic and Professional Career

2010 - 2013 **PhD Student**
Surgical Research Laboratories, Medical University of Vienna, Vienna, Austria (with Prof. Michael Bergmann)

since 2013 **Research Associate**
Department for Health Sciences and Biomedicine, CD Laboratory for Innovative Therapy Approaches in Sepsis, Danube University Krems, Krems, Austria (with Prof. Viktoria Weber)

Research Interests

- Blood-biomaterial interface and blood compatibility
- Extracorporeal therapies
- Extracellular vesicles (characterization and functional studies in inflammation and coagulation)
- Pathophysiology of sepsis www.sepsisresearch.at

Awards

- Poster Award, Conference Frontiers in Regenerative Medicine, Turin, Italy (2015)

Memberships in Professional Societies

ESAO European Society for Artificial Organs (Board Member) www.esao.org

ISEV International Society for Extracellular Vesicles www.isev.org

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

ASEV Austrian Society for Extracellular Vesicles (Founding Member and Treasurer), www.asev.at

GSEV German Society for Extracellular Vesicles, www.extracellular-vesicles.de

OEGfZ Austrian Society for Cytometry www.zytometrie.at

Organisation of Conferences

- Symposium Extracellular Vesicles in Inflammation (2015, 2016, 2017, 2018)

Peer-Reviewed Articles

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

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.

Weiss R, Eichhorn T, Spittler A, Mičušíkc 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.

Weiss R, Fischer MB, Weber V (2017) The impact of citrate concentration on adhesion of platelets and leukocytes to adsorbents in whole blood lipid apheresis. *J Clin Apher* 32(6):375-383.

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.

Weiss R, Laengle J, Sachet M, Shurygina AP, Kiselov O, Egorov A, Bergmann M (2015) Interleukin-24 inhibits influenza A virus replication in vitro through induction of toll-like receptor 3 dependent apoptosis *Antiviral research*, 123:93-104. Epub 2015/09/15.

Weiss R, Spittler A, Schmitz G, Fischer MB, Weber V (2014) Thrombocyte adhesion and release of extracellular microvesicles correlate with surface roughness of adsorbent polymers for lipid apheresis *Biomacromolecules*, 15(7):2648-2655.

Weiss R, Sachet M, Zinngrebe J, Aschacher T, Krainer M, Hegedus B, Walczak H, Bergmann M (2013) IL-24 sensitizes tumor cells to TLR3-mediated apoptosis *Cell death and differentiation*, 20(6):823-33. Epub 2013/03/02.