



Andreas Spittler

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Andreas Spittler received his Ph.D. in Pathophysiology at the Medical University of Vienna in 2001, where he worked at the Department of Surgery, Research Laboratories. He began his research career at the Department of Pathophysiology in 1991 and was appointed Associate Scientist at the Surgical Research Laboratories in 1998 where he worked with amino acids under monocyte immune regulation under cell culture conditions as well as in studies with surgical patients. His current position is Associate Professor for Pathophysiology. In 2008, he also became head of the Core Facility Flow Cytometry. He is currently President of the Austrian Society for Cytometry and President of the Austrian Society for Extracellular Vesicles. Since several years Dr. Spittler's main interest are extracellular vesicles, in particular the measurement and characterization of these particles by flow cytometry and imaging flow cytometry. In addition, he is highly interested in the characterization of the neonatal immune system and the functional characterization of monocytes in inflammation and sepsis.

SELECTED PUBLICATIONS

1. Mushahary D., Spittler A. (2017) Isolation and characterization of human mesenchymal stem cells. *Cytometry Part A*, Oct 26. doi: 10.1002/cyto.a.23242. (Review)
2. Weiss R., Spittler A. (2017) Release and cellular origin of extracellular vesicles during circulation of whole blood over adsorbent polymers for lipid apheresis. *Journal of Biomedical Materials Research, Part B – Applied Biomaterials*, 105:636-6461.
3. Wisgrill L., Spittler A. (2016) Peripheral Blood Microvesicles Secretion is Influenced by Storage Time, Temperature and Anticoagulants. *Cytometry Part A*, 89:663-72.
4. Fendl B., Spittler A. (2016) Characterization of Extracellular Vesicles in Whole Blood: Influence of Pre-Analytical Parameters and Visualization of Vesicle-Cell Interactions Using Imaging Flow Cytometry. *Biochemical and Biophysical Research Communications (BBRC)*, 478:168-173.
5. Sadeghi K., Spittler A. (2016) GM-CSF down-regulates TLR expression via the transcription factor PU.1 in human monocytes. *PLoS One*, 11:e0162667.
6. Bernardi M.H., Spittler A. (2016) Effect of hemoadsorption during cardiopulmonary bypass surgery – a blinded, randomized, controlled pilot study using a novel adsorbent. *Crit Care*, 20:96.