Curriculum vitae

Mag. Dr. Adelheid Panzenböck
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Place and date of birth: Loich, April 9th, 1980

EDUCATION

Since 01/2018	PostDoctoral fellow at the Department of Cardiology, Medical University of Vienna, Univ. Prof. Dr. Irene M. Lang
11/2017	Graduation “Doctor of Medical Science” at the Medical University of Vienna
03/2016 – 08/2017	Clinical Project Manager, Activartis Biotech GmbH
02/2006 – 02/2016	Research fellow at the Department of Cardiology, Medical University of Vienna, Univ. Prof. Dr. Irene M. Lang
12/2005	Graduation "Magister rerum naturalium, "Master of Science" at the University of Vienna
06/2005 - 12/2005	Diploma Thesis at the Medical University of Vienna, Department of Internal Medicine II, Division of Cardiology, Lab of Univ. Prof. Dr. Irene M. Lang; Title: "VE-cadherin real time PCR assay for vessel quantification"

10/1999 - 12/2005	University of Vienna, Undergraduate studies of Microbiology and Genetics, Faculty of Life Science, with a main focus on developmental genetics
09/1994 - 06/1999	Secondary School (HBLA) St. Pölten

Description of research interests and most important scientific achievements

Current research interest focuses on development and progression of degenerative aortic valve disease, especially the role of microvascular tissue support and the loss of vessels due to thrombotic events. Endothelial cell dysfunction and the impact of neutrophils and neutrophil extracellular traps (NETs) are studied in various experimental systems including transgenic mouse models, in-vitro / ex-vivo systems, and high-throughput transcriptome and proteome profiling.

Publications, talks and citations

18 publications, 3 invited talks, 711 citations, h-index: 10 (based on researchgate, September 15th, 2020)

Teaching Experience

Co-lecturer of a Journal club and a Thesis-seminar of the Vascular Biology PhD program of the Medical University of Vienna since 2011

Supervision of bachelor, master and PhD students in the Lab of Univ. Prof. Dr. Irene M. Lang since 2006

10 most important publications

1. Skoro-Sajer N, Mittermayer F, Panzenboeck A, Bonderman D, Sadushi R, Hitsch R, Jakowitsch J, Klepetko W, Kneussl MP, Wolzt M and Lang IM. Asymmetric dimethylarginine is increased in chronic thromboembolic pulmonary hypertension. *Am J Respir Crit Care Med*. 2007;176:1154-60 DOI: 10.1164/rccm.200702-278OC.

2. Lankeit M, Dellas C, Panzenbock A, Skoro-Sajer N, Bonderman D, Olschewski M, Schafer K, Puls M, Konstantinides S and Lang IM. Heart-type fatty acid-binding protein for risk assessment of chronic thromboembolic pulmonary hypertension. *Eur Respir J*. 2008;31:1024-9 DOI: 10.1183/09031936.00100407.

3. Kellermair J, Redwan B, Alias S, Jabkowski J, Panzenboeck A, Kellermair L, Winter MP, Weltermann A and Lang IM. Platelet endothelial cell adhesion molecule 1 deficiency misguides venous thrombus resolution. *Blood*. 2013;122:3376-84 DOI: 10.1182/blood-2013-04-499558.

4. Alias S, Redwan B, Panzenboeck A, Winter MP, Schubert U, Voswinckel R, Frey MK, Jakowitsch J, Alimohammadi A, Hobohm L, Mangold A, Bergmeister H, Sibilia M, Wagner EF, Mayer E, Klepetko W, Hoelzenbein TJ, Preissner KT and Lang IM. Defective angiogenesis delays thrombus resolution: a potential pathogenetic mechanism underlying chronic thromboembolic pulmonary hypertension. *Arterioscler Thromb Vasc Biol*. 2014;34:810-819 DOI: 10.1161/ATVBAHA.113.302991.

5. Frey MK, Alias S, Winter MP, Redwan B, Stubiger G, Panzenboeck A, Alimohammadi A, Bonderman D, Jakowitsch J, Bergmeister H, Bochkov V, Preissner KT and Lang IM. Splenectomy is modifying the vascular remodeling of thrombosis. *J Am Heart Assoc*. 2014;3:e000772 DOI: 10.1161/JAHA.113.000772.

6. Mangold A, Alias S, Scherz T, Hofbauer T, Jakowitsch J, Panzenbock A, Simon D, Laimer D, Bangert C, Kammerlander A, Mascherbauer J, Winter MP, Distelmaier K, Adlbrecht C, Preissner KT and Lang IM. Coronary neutrophil extracellular trap burden and deoxyribonuclease activity in ST-elevation acute coronary syndrome are predictors of ST-segment resolution and infarct size. *Circ Res*. 2015;116:1182-92 DOI: 10.1161/CIRCRESAHA.116.304944.

7. Andreas M, Panzenboeck A, Shabanian S, Kocher A, Mannhalter C, Petzl A, Hueblauer J, Wolzt M, Ehrlich M and Lang I. The VKORC1 polymorphism rs9923231 is associated with aneurysms of the ascending aorta in an Austrian population. *Thromb Res*. 2017;152:41-43 DOI: 10.1016/j.thromres.2017.02.009.

8. Skoro-Sajer N, Gerges C, Gerges M, Panzenbock A, Jakowitsch J, Kurz A, Taghavi S, Sadushi-Kolici R, Campean I, Klepetko W, Celermajer DS and Lang IM. Usefulness of thrombosis and inflammation biomarkers in chronic thromboembolic pulmonary hypertension-sampling plasma and surgical specimens. *J Heart Lung Transplant*. 2018;37:1067-1074 DOI: 10.1016/j.healun.2018.04.003.

9. Hofbauer TM, Mangold A, Scherz T, Seidl V, Panzenbock A, Ondracek AS, Muller J, Schneider M, Binder T, Hell L and Lang IM. Neutrophil extracellular traps and fibrocytes in ST-segment elevation myocardial infarction. *Basic Res Cardiol*. 2019;114:33 DOI: 10.1007/s00395-019-0740-3.

10. Thaler B, Baik N, Hohensinner PJ, Baumgartner J, Panzenbock A, Stojkovic S, Demyanets S, Huk I, Rega-Kaun G, Kaun C, Prager M, Fischer MB, Huber K, Speidl WS, Parmer RJ, Miles LA and Wojta J. Differential expression of Plg-RKT and its effects on migration of proinflammatory monocyte and macrophage subsets. *Blood*. 2019;134:561-567 DOI: 10.1182/blood.2018850420.