

Curriculum Vitae

Dr.med.univ. Andreas Mitterbauer



Nationality: Austrian

Family Status: Single

Born: 23th July, 1986, Kirchdorf an der Krems, Austria

Email: andreas.mitterbauer@meduniwien.ac.at

Education

2015/05 Doctoral Program of Applied Medical Science at the Medical University Vienna, thesis: "Genomic instability and progression of aortic aneurysm induced by immune-mediated LINE-1 activation"

2014/12 Graduation Dr. med. univ. (M.D.), Medical University of Vienna, Austria

2014/12 completion of diploma thesis "Tissue-specific, Auto-reactive CD4+CD28null cells in Explanted COPD Lungs"

2011/10-2014 Research Fellow at the Christian Doppler Laboratory for Cardiac and Thoracic Diagnosis and Regeneration, Prof.Dr..Jan Ankersmit

2008/10-2015: Student Research Fellow at the Department of Thoracic Surgery, General Hospital Vienna, Medical University of Vienna, Austria

2006/10 – 2014/12 Medical Student at the Medical University of Vienna, Austria

graduated 2006 at the Bundesrealgymnasium Amerlingstraße

2005-2006 voluntary Service at the Johanniter-Unfall-Hilfe Austria

1992-1996 Primary School

Continuing Education

2014/04 Medical English: Scientific writing, Medical University Vienna

2014/02 Medical English: Lectures and Presentations, Medical University Vienna

2013/11 Biometrie II: Statistical Tests and Analysis of Survival in Medical Research, Medical University Vienna

2012/03 Methods in surgical-immunological research, Dr. Hötzenecker K, Medical University Vienna

2012/02 Biometry I: Description and Visualization of Medical Data, Medical University Vienna

Clinical Training

2017/11- present Resident at the Department of General Surgery, AKH General Hospital, Vienna

2016/01 Kurs Endoskopische Venenentnahme, Medizin im Grünen, Berlin, Deutschland

2015 Oct.- Jul 2017 Resident at the Department of Cardiac Surgery, AKH General Hospital, Vienna

2015 April-June Turnus at the Department of Surgery, LKNOE Wiener Neustadt

Congresses and Meetings

2017/10 31st EACTS 2017 Annual Meeting - European Association for Cardio-Thoracic Surgery

2017/04 Vienna Interdisciplinary Symposium on Aortic Repair. Vienna, Austria

2016/02 Cardiovascular Surgical Symposium. Zürs, Austria

2015/11 39. Seminar der Österreichischen Gesellschaft für Chirurgische Forschung. Wagrain, Austria

2014/12 4th EACTS Meeting on Cardiac and Pulmonary Regeneration and Stem Cell Technology. Bern, Switzerland

2014/03 Symposium management of laryngotracheal problems. Vienna, Austria

2014/01 37. Seminar der Österreichischen Gesellschaft für Chirurgische Forschung. Gosau, Austria

2013/05 54. Chirurgenkongress. Vienna, Austria

2012/10 26. Jahrestagung der Österreichischen Gesellschaft für Transplantation, Transfusion und Genetik. Rust, Austria

2012/06 53. Österreichischer Chirurgenkongress. Salzburg, Austria

2012/05 Österreichische Kardiologische Gesellschaft Jahrestagung 2012. Salzburg, Austria

2011/10 25. Jahrestagung der österreichischen Gesellschaft für Transplantation. Graz, Austria

2010/12 2nd EACTS Meeting on Cardiac & Pulmonary Regeneration. Vienna, Austria
2010/10 24. Jahrestagung der österreichischen Gesellschaft für Transplantation. Villach, Austria
2010/09 41. Jahrestagung der österreichischen Gesellschaft für Innere Medizin. Salzburg, Austria
2010/06 42. Jahrestagung der österreichischen kardiologischen Gesellschaft. Salzburg, Austria
2010/05 52. Österreichischer Chirurgenkongress. Vienna, Austria
2009/09 40. Jahrestagung der österreichischen Gesellschaft für Innere Medizin. Vienna, Austria
2009/06 50. Österreichischer Chirurgenkongress. Vienna, Austria
2009/02 53rd Annual Meeting of the Society of Thrombosis and Haemostasis Research. Vienna, Austria

Original Manuscripts total

IF: 72.901

Bekos C, Zimmermann M, Unger L, Janik S, Mitterbauer A, Koller M, Fritz R, Gäbler C, Didcock J, Kliman J, Klepetko W, Jan Ankersmit H, Moser B. **Exercise-induced bronchoconstriction, temperature regulation and the role of heat shock proteins in non-asthmatic recreational marathon and half-marathon runners.** Scientific Reports 2019 Mar. IF: 4.122

Slama A, Schillab L, Barta M, Benedek A, Mitterbauer A, Hoetzenecker K, Taghavi S, Lang G, Matilla J, Ankersmit H, Hager H, Roth G, Klepetko W, Aigner C. **Standard donor lung procurement with normothermic ex vivo lung perfusion: A prospective randomized clinical trial.** J Heart Lung Transplant. 2017 Jul. IF: 7.114

Bekos C, Zimmermann M, Unger L, Janik S, Hacker P, Mitterbauer A, Koller M, Fritz R, Gäbler C, Kessler M, Nickl S, Didcock J, Altmann P, Haider T, Roth G, Klepetko W, Ankersmit HJ, Moser B. **Non-professional marathon running: RAGE axis and ST2 family changes in relation to open-window effect, inflammation and renal function.** Scientific Reports 2016 Sep. IF: 4.122

Hacker S, Mittermayr R, Nickl S, Haider T, Leberherz-Eichinger D, Beer L, Mitterbauer A, Leiss H, Zimmermann M, Schweiger T, Keibl C, Hofbauer H, Gabriel C, Pavone-Gyöngyösi M, Redl H, Tschachler E, Mildner M, Ankersmit HJ. **Paracrine Factors from Irradiated Peripheral Blood Mononuclear Cells Improve Skin Regeneration and Angiogenesis in a Porcine Burn Model.** Scientific Reports 2016 Apr 29 IF:4.847

Beer L, Zimmermann M, Mitterbauer A, Ellinger A, Gruber F, Narzt MS, Zellner M, Gyöngyösi M, Madlener S, Simader E, Gabriel C, Mildner M, Ankersmit HJ. **Analysis of the Secretome of Apoptotic Peripheral Blood Mononuclear Cells: Impact of Released Proteins and Exosomes for Tissue Regeneration.** Scientific Reports. 2015 Nov IF: 4.847

Haider T, Höftberger R, Rüger B, Mildner M, Blumer R, Mitterbauer A, Buchacher T, Sherif C, Altmann P, Redl H, Gabriel C, Gyöngyösi M, Fischer MB, Lubec G, Ankersmit HJ. **The secretome of apoptotic human peripheral blood mononuclear cells attenuates secondary damage following spinal cord injury in rats.** Experimental Neurology May 2015. IF: 4.617

Beer L, Seemann R, Ristl R, Ellinger A, Kasiri MM, Mitterbauer A, Zimmermann M, Gabriel C, Gyöngyösi M, Klepetko W, Mildner M, Ankersmit HJ. **High Dose Ionizing Radiation Regulates Micro RNA and Gene Expression Changes in Human Peripheral Blood Mononuclear Cells.** BMC Genomics. 2014 Sep IF: 4.040

Beer L, Szerafin T, Mitterbauer A, Debreceni T, Maros T, Dworschak M, Roth GA, Ankersmit HJ. **Low Tidal Volume Ventilation during Cardiopulmonary Bypass Reduces Chemokine Postoperative Serum Concentrations. A randomised trial.** Thorac Cardiovasc Surg 06/2014 IF: 1.057

Hoetzenecker K, Hochdanner M, Draxler D, Mitterbauer A, Schweiger T, Hegedues B, Klepetko W, Ankersmit HJ, Mildner M. **Antimicrobial peptides are highly abundant and active in post-operative pleural drainage fluids.** Annals of Thoracic Surgery, 2014. IF: 3.631

Mitterbauer A, Hoetzenecker K, Birner P, Mildner M, Prosch H, Streubel B, Taghavi S, Klepetko W, Ankersmit HJ. **Clinical-radiologic, histological and genetic analyses in a lung transplant recipient with Mounier-Kuhn syndrome and end-stage chronic obstructive pulmonary disease.** The Clinical Respiratory Journal. 2014. IF: 2.197

Beer L, Szerafin T, Mitterbauer A, Kasiri MM, Debreceni T, Palotas L, Dworschak M, Roth GA, Ankersmit HJ. **Ventilation during cardiopulmonary bypass: impact on heat shock protein release.** The Journal of Cardiovascular Surgery (Torino). 2013 Dec 17. IF: 1.365

Beer L, Szerafin T, Mitterbauer A, Debreceni T, Maros T, Dworschak M, Roth GA, Ankersmit HJ. **Continued mechanical ventilation during coronary artery bypass graft operation attenuates the systemic immune response.** European Journal Cardio-Thoracic Surgery. 2012 Dec 31. IF: 2.674

Hoetzenecker K, Mitterbauer A, Guenova E, Schweiger T, Altmann P, Zimmermann M, Hofbauer H, Beer L, Klepetko W, Ankersmit HJ. **High levels of lung resident CD4+CD28null cells in COPD: implications of autoimmunity.** Wiener Klinische Wochenschrift. 2013 Mar; 125(5-6):150-5. IF: 0.791

Beer L, Szerafin T, Mitterbauer A, Debreceni T, Maros T, Dworschak M, Roth GA, Ankersmit HJ. **Continued mechanical ventilation during coronary artery bypass graft operation attenuates the systemic immune response.** European Journal Cardio-Thoracic Surgery. 2013 Aug;44(2):282-7. IF: 3.048

Hoetzenecker K, Zimmermann M, Hoetzenecker W, Schweiger T, Kollmann D, Mildner M, Hegedus B, Mitterbauer A, Hacker S, Birner P, Gabriel C, Gyöngyösi M, Blyszczuk P, Eriksson U, Ankersmit HJ. **Mononuclear cell secretome protects from experimental autoimmune myocarditis.** European Heart Journal. 2013 Jan 14. IF: 14.723

Hoetzenecker K; Zimmermann M; Schweiger T; Kollmann D; Mitterbauer A; Birner P; Mildner M; Lichtenauer L; Ankersmit HJ. **Secretome from mononuclear cells confers immunosuppression in a murine autoimmune myocarditis model.** Journal of Tissue Engineering and Regenerative Medicine Volume: 6 Special Issue: SI Supplement: 1 Pages: 283-283 Published: Sep 2012. IF: 2.826

Ankersmit HJ, Nickl S, Hoeltl E, Toepker M, Lambers C, Mitterbauer A, Kortuem B, Zimmermann M, Moser B, Bekos C, Steinlechner B, Hofbauer H, Klepetko W, Schenk P, Dome B. **Increased Serum Levels of HSP27 as a Marker for Incipient Chronic Obstructive Pulmonary Disease in Young Smokers.** Respiration. 2012 Mar 14. IF: 2.615

Zimmermann M, Nickl S, Lambers C, Hacker S, Mitterbauer A, Hoetzenecker K, Rozsas A, Ostoros G, Laszlo V, Hofbauer H, Renyi-Vamos F, Klepetko W, Dome B, Ankersmit HJ. **Discrimination of clinical stages in non-small cell lung cancer patients by serum HSP27 and HSP70: A multi-institutional case-control study.** Clinica Chimica Acta. 2012 Mar 23. IF: 2.805

Mangold A, Hercher D, Hlavin G, Liepert J, Zimmermann M, Kollmann D, Feichtinger G, Lichtenauer M, Mitterbauer A, Ankersmit HJ. **Anti-alpha-Gal antibody titres remain unaffected by the consumption of fermented milk containing Lactobacillus casei in healthy adults.** International Journal of Food Sciences and Nutrition, 2011 Oct 4. IF: 1.151

Lichtenauer M, Nickl S, Hoetzenecker K, Mangold A, Moser B, Zimmermann M, Hacker S, Niederpold T, Mitterbauer A, Ankersmit HJ. **Phosphate buffered saline containing calcium and magnesium elicits increased secretion of Interleukin-1 receptor antagonist.** Labmedicine 2009 May;40(5):290-3.

IF: 0.309

Oral Presentations

Postoperative delirium - Diagnosis and Treatment Morning Meeting Presentation of the Department for Cardiac Surgery, 22.03.2017

Temporary Epicardial Pacing Wire – Cut or Remove Morning Meeting Presentation of the Department for Cardiac Surgery, 07.09.2016

Stability of Chemokine Levels in Serum and Plasma: Influence of Temperature and Time of Measurement. 42. Jahrestagung der österreichischen kardiologischen Gesellschaft. Salzburg, Austria.

Serum-free cell culture medium reduces myocardial damage after myocardial infarction: Importance for cell therapeutic methods. 41. Jahrestagung der österreichischen Gesellschaft für Innere Medizin. Salzburg, Austria.

Administration of Anti-Thymocyte Globulin (ATG) Preserves Cardiac Function after Experimental Myocardial Infarction. 41. Jahrestagung der österreichischen Gesellschaft für Innere Medizin. Salzburg, Austria.

Clinical-radiologic, histological and genetic analyses in a lung transplant recipient with Mounier-Kuhn syndrome and end-stage chronic obstructive pulmonary disease. 25. Jahrestagung der österreichischen Gesellschaft für Transplantation. Graz, Austria.

Kontinuierliche mechanische Beatmung reduziert die Freisetzung von Hitze-Schock-Proteinen und Chemokinen. 26. Jahrestagung der Österreichischen Gesellschaft für Transplantation, Transfusion und Genetik.

Continued Mechanical Ventilation during Cardiopulmonary Bypass Dampens Matrix Metalloproteinase – Tissue Inhibitor of Metalloproteinase– Lipocalin 2 Axis- A prospective randomized controlled trial. 37. Seminar der Österreichischen Gesellschaft für Chirurgische Forschung, Gosau, Jän 2014.

Ionizing Radiation Induced Gene Expression Alterations in Human Peripheral Blood Mononuclear Cells. 37. Seminar der Österreichischen Gesellschaft für Chirurgische Forschung, Gosau, Jän 2014.

Immunological effects of continued mechanical ventilation during coronary artery bypass graft operation- a randomized controlled trail. 37. Seminar der Österreichischen Gesellschaft für Chirurgische Forschung, Gosau, Jän 2014.

Genomic instability and progression of aortic aneurysm induced by immune-mediated LINE-1 activation. 39. Seminar der Österreichischen Gesellschaft für Chirurgische Forschung. Wagrain, Nov 2015/ Cardiovascular Surgical Symposium. Zürs, Feb 2016

Memberships

Austrian Society of Transplantation, Transfusion and Genetics

Projects

2015/05 "Cortisone leads to tumour progression by telomere instability, cell arrest and in cytotoxic T-lymphocytes in vitro" – working title

2017 Postoperative atrial fibrillation is reduced by transcutaneous electrical stimulation of the greater auricular nerve - in submission

2019 "Assessment of glucose metabolism in CRC and IBD on a single cell level" - working title

Laboratory skills

Cultivation and separation of human and animal cell lines

Histology, IHC, ELISA, Flow Cytometry

Experience in working with different animal models

Database management

Basic biomedical statistics

Scientific Visits

2010/05, 2011/04, 2012/02 University of Kaposvar, Hungary – Large Animal Experiments

Language Skills

Native German Speaker

Proficient in English

Knowledge of French

Knowledge of Russian