

CURRICULUM VITAE

PETER JAKSCH, MD

Personal Information:

Name: Peter Jaksch

Home adress: -

Institutional adress: Dept. Thoracic Surgery
Medical University of Vienna

Date of birth: 29.10.1961

Place of birth : Vienna, Austria

Citizenship :

Languages: German, English

Education:

High school: 1972-1980
final graduate May 1980

Medical school: Vienna Medical School
Medical Degree at University of Vienna December 1988

Postgraduate training:

1989-1994	Internship Hospital Lainz, Vienna
1995-2000	Residency in Pulmonology, Hospital Lainz
since 2000	Consultant Pulmonologist Dept of Cardio-Thoracic Surgery General Hospital Vienna
since 2015	habilitation

Membership in Professional Societies:

European Respiratory Society (ERS)
International Society for Heart and Lung Transplantation (ISHLT)
Österreichische Gesellschaft für Pulmologie (ÖGP)
Austrian Transplant Society

Participation as speaker at National or International Congresses

ISHLT Meeting
Austrotransplant
ERS Meeting
ÖGP Meeting
ESOT

Membership or Roles in National or International Scientific Society

ISHLT
ERS
ESOT
ÖGP

Being reviewer and/or member of the editorial staff of any scientific journal

Journal of Heart and lung TX
Transplantation
AJT
Transplant International

Details of Clinical Trial Experience

Primary investigator:

LUCIA (2007-2012) An open-label, randomized prospective study to investigate the safety and efficacy of Campath-1H as an induction agent in combination with Low dose-Tacrolimus, Low dose –MMF and reduced steroid therapy compared to ATG-induction in combination with Tacrolimus, Mycophenolate Mofetil and steroids therapy in de novo lung transplanted patients

NABI (2005-2010): A double-blind, placebo-controlled, multicenter, dose-ranging study of an anti-T-lymphocyte immune globuline (EZ-2053) in the prophylaxis of acute pulmonary allograft rejection in adult recipients of primary pulmonary allograft(s)-2009):

LARGO (2005-2008): Lung Allograft Rejection Gene Expression Observational (LARGO) Study

Extracorporeal Photoimmune Therapy (ECP) with UVADEX in Conjunction with Standard Therapy Compared to Standard Therapy Alone for the Prevention of Rejection in Lung Transplantation Patients

Co-Investigator:

CeMyLung study (2005-2010):

A 3years randomized open label multi-centre investigator driven study comparing de novo enteric coated Mycophenolate sodium with delayed onset Everolimus, both arms in

combination with CyA (using C2 monitoring) and steroids for the prevention of BOS in lung TX recipients

Cytomegalovirus DNA load in epithelial lining fluid and in simultaneously obtained plasma samples in lung transplant recipients:
follow-up after transplantation

Publications (2006 to 6/2019)

Lambers C, Boehm PM, Karabacak Y, Samaha E, Benazzo A, Jaksch P, Roth M. Combined Activation of Guanylate Cyclase and Cyclic AMP in Lung Fibroblasts as a Novel Therapeutic Concept for Lung Fibrosis. *Biomed Res Int.* 2019 Mar 7;2019:1345402. doi: 10.1155/2019/1345402. eCollection 2019. PubMed PMID: 30984775; PubMed Central PMCID: PMC6431482.

Benazzo A, Schwarz S, Frommlet F, Schweiger T, Jaksch P, Schellongowski P, Staudinger T, Klepetko W, Lang G, Hoetzenecker K; Vienna ECLS Program. Twenty-year experience with extracorporeal life support as bridge to lung transplantation. *J Thorac Cardiovasc Surg.* 2019 Feb 27. pii: S0022-5223(19)30488-X. doi: 10.1016/j.jtcvs.2019.02.048. [Epub ahead of print] PubMed PMID: 30922636.

Winhofer Y, Wolf P, Fellingner P, Tura A, Hillebrand P, Staufer K, Trauner M, Jaksch P, Muraközy G, Kautzky-Willer A, Pacini G, Krebs M, Luger A, Kazemi-Shirazi L. MARKEDLY DELAYED INSULIN SECRETION AND A HIGH RATE OF UNDETECTED OVERT DIABETES CHARACTERIZE GLUCOSE METABOLISM IN ADULT PATIENTS WITH CYSTIC FIBROSIS AFTER LUNG TRANSPLANTATION. *Endocr Pract.* 2019 Mar;25(3):254-262. doi: 10.4158/EP-2018-0461. PubMed PMID: 30913015.

Halloran KM, Parkes MD, Chang J, Timofte IL, Snell GI, Westall GP, Hachem R, Kreisel D, Trulock E, Roux A, Juvet S, Keshavjee S, Jaksch P, Klepetko W, Halloran PF. Molecular assessment of rejection and injury in lung transplant

biopsies. *J Heart Lung Transplant*. 2019 May;38(5):504-513. doi: 10.1016/j.healun.2019.01.1317. Epub 2019 Feb 6. PubMed PMID: 30773443.

Benazzo A, Schwarz S, Muckenhuber M, Schweiger T, Muraközy G, Moser B, Sigüenza JM, Lang G, Taghavi S, Klepetko W, Hoetzenecker K, Jaksch P, Lambers C. Alemtuzumab induction combined with reduced maintenance immunosuppression is associated with improved outcomes after lung transplantation: A single centre experience. *PLoS One*. 2019 Jan 15;14(1):e0210443. doi: 10.1371/journal.pone.0210443. eCollection 2019. PubMed PMID: 30645645; PubMed Central PMCID: PMC6333331.

Ebenbichler G, Doblhammer S, Pachner M, Habenicht R, Kienbacher T, Mair P, Zemková E, Hirjaková Z, Jaksch P, Klepetko W. Impairments in Postural Control and Retest Reliability of Dynamic Posturographic Measures After Lung Transplantation. *Am J Phys Med Rehabil*. 2019 May;98(5):353-359. doi: 10.1097/PHM.0000000000001095. PubMed PMID: 30422827.

Waseda R, Benazzo A, Hoetzenecker K, Jaksch P, Muraközy G, Gruber S, Roth G, Szépfalusi Z, Nachbaur E, Klepetko W. The influence of retransplantation on survival for pediatric lung transplant recipients. *J Thorac Cardiovasc Surg*. 2018 Nov;156(5):2025-2034.e2. doi: 10.1016/j.jtcvs.2018.05.080. Epub 2018 Jun 6. PubMed PMID: 30343700.

Kersch-Schindl K, Ebenbichler G, Gruther W, Föger-Samwald U, Kudlacek S, Patsch J, Gleiss A, Jaksch P, Klepetko W, Pietschmann P. Myostatin and other musculoskeletal markers in lung transplant recipients. *Clin Exp Med*. 2019 Feb;19(1):77-85. doi: 10.1007/s10238-018-0532-3. Epub 2018 Oct 13. PubMed PMID: 30317402; PubMed Central PMCID: PMC6394594.

Staufer K, Halilbasic E, Hillebrand P, Harm S, Schwarz S, Jaksch P, Kivaranovic D, Klepetko W, Trauner M, Kazemi-Shirazi L. Impact of nutritional status on pulmonary function after lung transplantation for cystic fibrosis. *United European Gastroenterol J*. 2018 Aug;6(7):1049-1055. doi: 10.1177/2050640618778381. Epub 2018 May 17. PubMed PMID: 30228893; PubMed Central PMCID: PMC6137582.

Jaksch P, Kundi M, Görzer I, Muraközy G, Lambers C, Benazzo A, Hoetzenecker K, Klepetko W, Puchhammer-Stöckl E. Torque Teno Virus as a Novel Biomarker Targeting the Efficacy of Immunosuppression After Lung Transplantation. *J Infect Dis*. 2018 Nov 5;218(12):1922-1928. doi: 10.1093/infdis/jiy452. PubMed PMID: 30053048.

Segura-Wang M, Görzer I, Jaksch P, Puchhammer-Stöckl E. Temporal dynamics of

the lung and plasma viromes in lung transplant recipients. *PLoS One*. 2018 Jul 6;13(7):e0200428. doi: 10.1371/journal.pone.0200428. eCollection 2018. PubMed PMID: 29979780; PubMed Central PMCID: PMC6034876.

Weber U, Schiefer J, Mühlbacher J, Bernardi MH, Ortner CM, Jaksch P. High altitude trekking after lung transplantation: a prospective study using lung ultrasound to detect comet tails for interstitial pulmonary edema in lung transplant recipients and healthy volunteers. *Transpl Int*. 2018 Nov;31(11):1245-1253. doi: 10.1111/tri.13307. Epub 2018 Jul 9. PubMed PMID: 29928768.

Hoetzenecker K, Schwarz S, Muckenhuber M, Benazzo A, Frommlet F, Schweiger T, Bata O, Jaksch P, Ahmadi N, Muraközy G, Prosch H, Hager H, Roth G, Lang G, Taghavi S, Klepetko W. Intraoperative extracorporeal membrane oxygenation and the possibility of postoperative prolongation improve survival in bilateral lung transplantation. *J Thorac Cardiovasc Surg*. 2018 May;155(5):2193-2206.e3. doi: 10.1016/j.jtcvs.2017.10.144. Epub 2017 Dec 7. PubMed PMID: 29653665.

Greer M, Berastegui C, Jaksch P, Benden C, Aubert J, Roux A, Lhuillier E, Hirschi S, Reynaud-Gaubert M, Philit F, Claustre J, LePalud P, Stern M, Knoop C, Vos R, Verschuuren E, Fisher A, Riise G, Hansson L, Iversen M, Hämmäinen P, Wedel H, Smits J, Gottlieb J, Holm AM. Lung transplantation after allogeneic stem cell transplantation: a pan-European experience. *Eur Respir J*. 2018 Feb 14;51(2). pii: 1701330. doi: 10.1183/13993003.01330-2017. Print 2018 Feb. PubMed PMID: 29444913.

Lambers C, Roth M, Jaksch P, Muraközy G, Tamm M, Klepetko W, Ghanim B, Zhao F. Treprostinil inhibits proliferation and extracellular matrix deposition by fibroblasts through cAMP activation. *Sci Rep*. 2018 Jan 18;8(1):1087. doi: 10.1038/s41598-018-19294-1. PubMed PMID: 29348469; PubMed Central PMCID: PMC5773699.

Vietzen H, Pollak K, Honsig C, Jaksch P, Puchhammer-Stöckl E. NKG2C Deletion Is a Risk Factor for Human Cytomegalovirus Viremia and Disease After Lung Transplantation. *J Infect Dis*. 2018 Feb 14;217(5):802-806. doi: 10.1093/infdis/jix608. PubMed PMID: 29220498.

Aigner C, Slama A, Barta M, Mitterbauer A, Lang G, Taghavi S, Matilla J, Ullrich R, Krenn K, Jaksch P, Markstaller K, Klepetko W. Treatment of primary graft dysfunction after lung transplantation with orally inhaled AP301: A prospective, randomized pilot study. *J Heart Lung Transplant*. 2017 Sep 30. pii: S1053-2498(17)32036-3. doi: 10.1016/j.healun.2017.09.021. [Epub ahead of print] PubMed PMID: 29055604.

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Habenicht R, Klepetko W, Jaksch P, Doblhammer S, Ebenbichler G. Feasibility and Reliability of Functional Muscle Tests in Lung Transplant Recipients. *Am J Phys Med Rehabil.* 2018 Jun;97(6):390-396. doi: 10.1097/PHM.0000000000000849. PubMed PMID: 29016397; PubMed Central PMCID: PMC5959201.

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Azoulay E, Pickkers P, Soares M, Perner A, Rello J, Bauer PR, van de Louw A, Hemelaar P, Lemiale V, Taccone FS, Martin Loeches I, Meyhoff TS, Salluh J, Schellongowski P, Rusinova K, Terzi N, Mehta S, Antonelli M, Kouatchet A, Barratt-Due A, Valkonen M, Landburg PP, Bruneel F, Bukan RB, Pène F, Metaxa V, Moreau AS, Soupart V, Burghi G, Girault C, Silva UVA, Montini L, Barbier F, Nielsen LB, Gaborit B, Mokart D, Chevret S; Efraim investigators and the Nine-I study group. Acute hypoxemic respiratory failure in immunocompromised patients: the Efraim multinational prospective cohort study. *Intensive Care Med.* 2017 Dec;43(12):1808-1819. doi: 10.1007/s00134-017-4947-1. Epub 2017 Sep 25. PubMed PMID: 28948369.

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Vietzen H, Görzer I, Honsig C, Jaksch P, Puchhammer-Stöckl E. Association between antibody functions and human cytomegalovirus (HCMV) replication after lung transplantation in HCMV-seropositive patients. *J Heart Lung Transplant.* 2017 Jul 18. pii: S1053-2498(17)31901-0. doi: 10.1016/j.healun.2017.07.010. [Epub ahead of print] PubMed PMID: 28750933.

Schwarz S, Jaksch P, Klepetko W, Hoetzenecker K. Immunosuppression after lung transplantation: the search for the holy grail continues. *J Thorac Dis.* 2017 Jun;9(6):1412-1414. doi: 10.21037/jtd.2017.04.66. PubMed PMID: 28740645; PubMed Central PMCID: PMC5506122.

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after lung transplantation. *J Heart Lung Transplant*. 2017 Mar;36(3):366-368. doi: 10.1016/j.healun.2016.10.011. Epub 2016 Oct 21. PubMed PMID: 27876413.

Ruttens D, Verleden SE, Bijmens EM, Winckelmans E, Gottlieb J, Warnecke G, Meloni F, Morosini M, Van Der Bij W, Verschuuren EA, Sommerwerck U, Weinreich G, Kamler M, Roman A, Gomez-Olles S, Berastegui C, Benden C, Holm AM, Iversen M, Schultz HH, Luijk B, Oudijk EJ, Kwakkel-van Erp JM, Jaksch P, Klepetko W, Kneidinger N, Neurohr C, Corris P, Fisher AJ, Lordan J, Meachery G, Piloni D, Vandermeulen E, Bellon H, Hoffmann B, Vienneau D, Hoek G, de Hoogh K, Nemery B, Verleden GM, Vos R, Nawrot TS, Vanaudenaerde BM. An association of particulate air pollution and traffic exposure with mortality after lung transplantation in Europe. *Eur Respir J*. 2017 Jan 18;49(1). pii: 1600484. doi: 10.1183/13993003.00484-2016. Print 2017 Jan. PubMed PMID: 27836956.

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Traxler D, Schweiger T, Schwarz S, Schuster MM, Jaksch P, Lang G, Birner P, Klepetko W, Ankersmit HJ, Hoetzenecker K. The Lymphatic Phenotype of Lung Allografts in Patients With Bronchiolitis Obliterans Syndrome and Restrictive Allograft Syndrome. *Transplantation*. 2017 Feb;101(2):310-315. doi: 10.1097/TP.0000000000001263. PubMed PMID: 27163544.

Weseslindtner L, Görzer I, Roedl K, Küng E, Jaksch P, Klepetko W, Puchhammer-Stöckl E. Intrapulmonary Human Cytomegalovirus Replication in Lung Transplant Recipients Is Associated With a Rise of CCL-18 and CCL-20 Chemokine Levels. *Transplantation*. 2017 Jan;101(1):197-203. doi: 10.1097/TP.0000000000001065. PubMed PMID: 26910332.

Klikovits T, Slama A, Hoetzenecker K, Waseda R, Lambers C, Murakoezy G, Jaksch P, Aigner C, Taghavi S, Klepetko W, Lang G, Hoda MA. A rare indication for lung transplantation - pulmonary alveolar microlithiasis: institutional experience of five consecutive cases. *Clin Transplant*. 2016 Apr;30(4):429-34. doi: 10.1111/ctr.12705. Epub 2016 Feb 24. PubMed PMID: 26841075.

Simon B, Weseslindtner L, Görzer I, Pollak K, Jaksch P, Klepetko W, Puchhammer-Stöckl E. Subclass-specific antibody responses to human cytomegalovirus in lung transplant recipients and their association with constant heavy immunoglobulin G chain polymorphism and virus replication. *J Heart Lung Transplant*. 2016 Mar;35(3):370-377. doi: 10.1016/j.healun.2015.10.026. Epub 2015 Nov 5. PubMed PMID: 26657280.

Tomasovic A, Kurrle N, Sürün D, Heidler J, Husnjak K, Poser I, Schnütgen F, Scheibe S, Seimetz M, Jaksch P, Hyman A, Weissmann N, von Melchner H. Sestrin 2 Protein Regulates Platelet-derived Growth Factor Receptor β (Pdgfr β) Expression by Modulating Proteasomal and Nrf2 Transcription Factor Functions. *J Biol Chem*. 2015

Schellongowski P, Riss K, Staudinger T, Ullrich R, Krenn CG, Sitzwohl C, Bojic A, Wohlfarth P, Sperr WR, Rabitsch W, Aigner C, Taghavi S, Jaksch P, Klepetko W, Lang G. Extracorporeal CO₂ removal as bridge to lung transplantation in life-threatening hypercapnia. *Transpl Int*.

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Lang G, Kim D, Aigner C, Matila J, Taghavi S, Jaksch P, Murakoezi G, Klepetko W. Awake extracorporeal membrane oxygenation bridging for pulmonary retransplantation provides comparable results to elective retransplantation. *J Heart Lung Transplant*. 2014

Weseslindtner L, Görzer I, Küng E, Roedl K, Jaksch P, Klepetko W, Puchhammer-Stöckl E. High CXCL-16 levels correlate with symptomatic disease in lung transplant recipients with human cytomegalovirus replication in the allograft. *Am J Transplant*. 2014

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Slama A, Ghanim B, Klikovits T, Scheed A, Hoda MA, Hoetzenecker K, Jaksch P, Matilla J, Taghavi S, Klepetko W, Aigner C. Lobar lung transplantation--is it comparable with standard lung transplantation? *Transpl Int*. 2014

Hirche TO, Knoop C, Hebestreit H, Shimmin D, Solé A, Elborn JS, Ellemunter H, Aurora P, Hogardt M, Wagner TO; ECORN-CF Study Group. Practical guidelines: lung transplantation in patients with cystic fibrosis. *Pulm Med*. 2014

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Gruber S, Eiwegger T, Nachbaur E, Tiringer K, Aigner C, Jaksch P, Keplinger M, Klepetko W, Lang G, Taghavi S, Graf A, Eichler I, Frischer T, Szépfalusi Z. Lung transplantation in children and young adults: a 20-year single-centre experience. *Eur Respir J.* 2012

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