

Curriculum Vitae

Sebastian G. Michel PD Dr. med.
d.o.b. September 19th, 1978, in Munich, Germany

University Education

1999-2006 Medical School, Ludwig Maximilian University Munich
2008 Doctorate Medicine (summa cum laude), Ludwig Maximilian University Munich
2017 Habilitation Experimental Cardiac Surgery, Ludwig Maximilian University Munich

Scientific and professional career

2006-2017 Resident, Department of Cardiac Surgery, LMU Munich
2008-2012 Postdoctoral Researcher, Cardiac Xenotransplantation, Department of Cardiac Surgery, LMU Munich (Chief: Prof. Dr. med. Dr. h.c. Bruno Reichart)
2012-2014 Research Fellowship, Transplantation Biology Research Center, Massachusetts General Hospital and Harvard Medical School, Boston, USA (PI's: Joren Madsen MD DPhil and David Sachs MD), scholarship of the American Society of Transplant Surgeons (ASTS)
2017 Board Exam for Cardiac Surgery, Bavaria, Germany
2018 Surgical Co-Director, Munich Lung Transplant Group, Department of Cardiac Surgery, LMU Munich
2018 PI Laboratory for Experimental Lung Transplantation (CPC-M and Helmholtz Center Munich, DFG funded: MI 1729/4)
2018 PI German Center for Lung Research (DZL, lung xenotransplantation)
2019 Member of the European Excor (VAD) Pediatric Investigator Group (EEPIG)
2018-2021 Clinical Fellowship, Congenital Heart Surgery, German Heart Center, Munich and LMU Munich (Director: Juergen Hoerer, MD)
2020-2023 Munich Clinician Scientist Training Program Advanced Track (25% free time for research for clinical specialists)
2021 Certificate "Invasive therapy of heart and lung failure" (DGTHG)
2022 Certificate "Surgery for Congenital Heart Disease" (DGTHG)

Awards and Honors

2013 American Society of Transplant Surgeons Scientist Scholarship 2013

Citation Record

Total citations: 903; h-index: 16 (Researchgate)

Top-10 selected Publications

1. Längin M, Mayr T, Reichart B, **Michel S**, Buchholz S, Guethoff S, Dashkevich A, Baehr A, Egerer S, Bauer A, Mihalj M, Panelli A, Issl L, Ying J, Fresch AK, Buttgereit I, Mokolke M, Radan J, Werner F, Lutzmann I, Steen S, Sjöberg T, Paskevicius A, Qiuming L, Sfriso R, Rieben R, Dahlhoff M, Kessler B, Kemter E, Klett K, Hinkel R, Kupatt C, Falkenau A, Reu S, Ellgass R, Herzog R, Binder U, Wich G, Skerra A, Ayares D, Kind A, Schönmann U, Kaup FJ, Hagl C, Wolf E, Klymiuk N, Brenner P, Abicht JM. (2018) Consistent success in life-supporting porcine cardiac xenotransplantation. **Nature**. 564(7736):430-433. **IF=41,6**
2. Reichart B, Längin M, Radan J, Mokolke M, Buttgereit I, Ying J, Fresch AK, Mayr T, Issl L, Buchholz S, **Michel S**, Ellgass R, Mihalj M, Egerer S, Baehr A, Kessler B, Kemter E, Kurome M, Zakhartchenko V, Steen S, Sjöberg T, Paskevicius A, Krüger L, Fiebig U, Denner J, Godehardt AW, Tönjes RR, Milusev A, Rieben R, Sfriso R, Walz C, Kirchner T, Ayares D, Lampe K, Schönmann U, Hagl C, Wolf E, Klymiuk N, Abicht JM, Brenner P. Pig-to-non-human primate heart transplantation: The final step toward clinical xenotransplantation? *J Heart Lung Transplant*. 2020 Aug;39(8):751-757. **IF=7,9**
3. **Michel SG**, Madariaga MLL, LaMuraglia GMII, Villani V, Sekijima M, Farkash EA, Colvin RB, Sachs DH, Yamada K, Rosengard BR, Allan JS, Madsen JC. (2018) The Effects of Brain Death and Ischemia on Tolerance Induction are Organ-Specific. *Am J Transplant*. 18(5):1262-1269. **IF=6,19**
4. Madariaga ML, Spencer PJ, **Michel SG**, La Muraglia GM 2nd, O'Neil MJ, Mannon EC, Leblang C, Rosales IA, Colvin RB, Sachs DH, Allan JS, Madsen JC. (2015). Effects of Lung Cotransplantation on Cardiac Allograft Tolerance Across a Full Major Histocompatibility Complex Barrier in Miniature Swine. *Am J Transplant*. 2016 Mar;16(3):979-86. **IF=6,19**
5. Madariaga ML, **Michel SG**, La Muraglia GM 2nd, Sekijima M, Villani V, Leonard DA, Powell HJ, Kurtz JM, Farkash EA, Colvin RB, Allan JS, Cetrulo CL Jr, Huang CA, Sachs DH, Yamada K, Madsen JC. (2015) Kidney-Induced Cardiac Allograft Tolerance in Miniature Swine is Dependent on MHC-Matching of Donor Cardiac and Renal Parenchyma. *Am J Transplant*. 15(6):1580-90. **IF=6,19**
6. Madariaga ML, **Michel SG**, La Muraglia GM 2nd, Sihag S, Leonard DA, Farkash EA, Colvin RB, Cetrulo CL Jr, Huang CA, Sachs DH, Madsen JC, Allan JS. Recipient-Matching of Passenger Leukocytes Prolongs Survival of Donor Lung Allografts in Miniature Swine. *Transplantation*. 2015 Jul;99(7):1372-8. **IF=3,781**
7. **Michel SG**, La Muraglia li GM, Madariaga ML, Titus JS, Selig MK, Farkash EA, Allan JS, Anderson LM, Madsen JC. (2015). Twelve-hour hypothermic machine perfusion for donor heart preservation leads to improved ultrastructural characteristics compared to conventional cold storage. *Ann Transplant*.11;20:461-8. **IF=1,43**
8. Madariaga ML, **Michel SG**, Tasaki M, Villani V, La Muraglia GM 2nd, Sihag S, Gottschall J, Farkash EA, Shimizu A, Allan JS, Sachs DH, Yamada K, Madsen JC. Induction of Cardiac Allograft Tolerance Across a Full MHC Barrier in Miniature Swine by Donor Kidney Cotransplantation. *Am J Transplant*. 2013 Oct;13(10):2558-66. **IF=6,19**
9. **Michel SG**, Madsen JC. Current perspectives in transplant medicine: hypothermic oxygenated perfusion. *Transplant Research and Risk Management* 2016 Nov;8:25–30.
10. **Michel S**, Buchholz S, Buech J, Veit T, Fabry T, Abicht J, Thierfelder N, Mueller C, Rosenthal LL, Pabst von Ohain J, Haas N, Hörer J, Hagl C. Bridging patients in cardiogenic shock with a paracorporeal pulsatile biventricular assist device to heart transplantation-a single-centre experience. *Eur J Cardiothorac Surg*. 2022 Mar 24;61(4):942-949. **IF=4,19**