Curriculum Vitae

Simon Michael Florian Triphan Privatdozent, Dr. rer. nat., Diplom-Physiker
d.o.b. September 29th, 1983, in Werneck, Germany

University Education

2025	Habilitation in experimental radiology, Karl-Ruprechts-Universität Heidelberg
2016	Doctorate at Experimental Physics 5 (EP5), Julius-Maximilians-Universiät Würzburg (JMU)
2006/2007	Studies abroad, Master of Physics at Heriot-Watt University Edinburgh
2003-2009	Undergratuate Studies, Physik Diplom at EP5, JMU

Scientific Career

Since 2013	Research work at Diagnostic and Interventional Radiology, University Hospital Heidelberg in the context of the german center for lung research (DZL)

Top-10 selected Publications

Triphan, S.M.F., Breuer, F.A., Gensler, D., Kauczor, H.-U. and Jakob, P.M. (2015), Oxygen enhanced lung MRI by simultaneous measurement of T_1 and T_2* during free breathing using ultrashort TE. J. Magn. Reson. Imaging, 41: 1708-1714. doi:10.1002/jmri.24692;

Triphan, S.M.F., Jobst, B.J., Breuer, F.A., Wielpütz, M.O., Kauczor, H.-U., Biederer, J. and Jakob, P.M. (2015), Echo time dependence of observed T_1 in the human lung. J. Magn. Reson. Imaging, 42: 610-616. doi:10.1002/jmri.24840;

Triphan, S.M.F., Stahl, M., Jobst, B.J., Sommerburg, O., Kauczor, H.-U., Schenk, J.- P., Alrajab, A., Eichinger, M., Mall, M.A. and Wielpütz, M.O. (2020), Echo Time-Dependence of Obser ved Lung T_1 in Patients With Cystic Fibrosis and Correlation With Clinical Metrics. J Magn Reson Imaging. doi:10.1002/jmri.27271;

Triphan, S.M.F., Weinheimer, O., Gutberlet, M. Heußel, C. P., Vogel-Claussen, J., Herth, F. Vogelmeier, C. F., Jörres, R. A. Kauczor, H.-U., Wielpütz, M. O., Biederer, J., Jobst, B. J. for the COSYCONET Study Group (2021), Echo Time-Dependent Observed Lung T1 in Patients With Chronic Obstructive Pulmonary Disease in Correlation With Quantitative Imaging and Clinical Indices. J Magn Reson Imaging. doi: 10.1002/jmri.27746;

Triphan, S.M.F.; Konietzke, M.; Biederer, J.; Eichinger, M.; Vogelmeier, C. F.; Jörres, R. A.; Kauczor, H.-U.; Heußel, C. P.; Jobst, B. J. & Wielpütz, M. O. Echo time-dependent observed T1 and quantitative perfusion in chronic obstructive pulmonary disease using magnetic resonance imaging *Frontiers in Medicine, Frontiers Media SA,* 2023*, 10*;

Wielpütz, M. O.; Stahl, M.; **Triphan, S.M.F.**; Wucherpfennig, L.; Leutz-Schmidt, P.; Gestewitz, S.; Steinke, E.; Graeber, S. Y.; Kauczor, H.-U.; Eichinger, M.; Puderbach, M. U.; Alrajab, A.; Schenk, J.-P.; Sommerburg, O. & Mall, M. A. Longitudinal Magnetic Resonance Imaging of Changes in Lung Morphology and Perfusion in Children with Cystic Fibrosis from Infancy through Adolescence *Annals of the American Thoracic Society,* 2025*, 22*, 93-103

Schiwek, M.; **Triphan, S.M.F.**; Biederer, J.; Weinheimer, O.; Eichinger, M.; Vogelmeier, C. F.; Jörres, R. A.; Kauczor, H.-U.; Heußel, C. P.; Konietzke, P.; von Stackelberg, O.; Risse, F.; Jobst, B. J.; Wielpütz, M. O. & on behalf of the COSYCONET study group Quantification of pulmonary perfusion abnormalities using DCE-MRI in COPD: comparison with quantitative CT and pulmonary function *European Radiology,* 2022*, 32*, 1879-1890

Konietzke, M.; **Triphan, S.M.F.**; Eichinger, M.; Bossert, S.; Heller, H.; Wege, S.; Eberhardt, R.; Puderbach, M. U.; Kauczor, H.-U.; Heußel, G.; Heußel, C. P.; Risse, F. & Wielpütz, M. O. Unsupervised clustering algorithms improve the reproducibility of dynamic contrast-enhanced magnetic resonance imaging pulmonary perfusion quantification in muco-obstructive lung diseases *Frontiers in Medicine,* 2022*, 9*

Konietzke, P.; Weinheimer, O.; **Triphan, S.M.F.**; Nauck, S.; Wuennemann, F.; Konietzke, M.; Jobst, B. J.; Jörres, R. A.; Vogelmeier, C. F.; Heussel, C. P. & others
GOLD-grade specific disease characterization and phenotyping of COPD using quantitative computed tomography in the nationwide COSYCONET multicenter trial in Germany
Respiration, 2024, 1-1

Jobst, B. J.; **Triphan, S.M.F.**; Sedlaczek, O.; Anjorin, A.; Kauczor, H. U.; Biederer, J.; Ley-Zaporozhan, J.; Ley, S. & Wielpütz, M. O. Functional Lung MRI in Chronic Obstructive Pulmonary Disease: Comparison of T1 Mapping, Oxygen-Enhanced T1 Mapping and Dynamic Contrast Enhanced Perfusion *PLoS ONE, Public Library of Science,* 2015*, 10*, e0121520