

Curriculum Vitae

Stefan Karrasch Priv.-Doz. Dr. med.
d.o.b. January 02nd, 1978, in Hamburg, Germany

Education and Degrees

- 2020 Habilitation Experimental Occupational and Environmental Medicine, Ludwig-Maximilians-Universität München
- 2007 MD Thesis, Ludwig-Maximilians-Universität München, Institute and Outpatient Clinic for Occupational, Social and Environmental Medicine
- 2009 Certificate FELASA (Federation of Laboratory Animal Science Associations) category C
- 1998–2006 Studies of human medicine, Bayerische Julius-Maximilians-Universität Würzburg and Ludwig-Maximilians-Universität München, Approbation

Scientific Career

- since 2022 Teaching at the Faculty of Medicine of the University of Augsburg (Human medicine clinical part)
- since 2021 Coordinator of the DZL Disease-spanning Working Group Lung Environment Interaction
- since 2019 Teaching at the Faculty of Medicine of the Technical University of Munich (Human medicine clinical part)
- since 2019 Research and specialty training in Occupational Medicine at the Institute and Outpatient Clinic for Occupational, Social and Environmental Medicine, Ludwig-Maximilians-Universität München
- since 2014 Research at the Institute of Epidemiology, Helmholtz Munich
- 2013–2014 Research at the Institute of General Practice, University Hospital Klinikum rechts der Isar, Technische Universität München
- since 2012 Teaching at the Faculty of Medicine of the Ludwig-Maximilians-Universität München (Human medicine clinical part, Public Health, Epidemiology)
- 2009–2014 Research at the Institute and Outpatient Clinic for Occupational, Social and Environmental Medicine, Ludwig-Maximilians-Universität München
- 2007–2009 Research at the Institute of Lung Biology and Disease, Helmholtz Munich

Responsible supervisor for respiratory assessments in the German National Cohort and KORA

Speaker of the German National Cohort Expert Group “Respiratory Diseases”

Member of the European Respiratory Society (ERS)

PI and Co-PI of several ongoing projects on environmental and occupational respiratory health funded by DFG, DZL and the State of Bavaria

Awards and Honors

- 2017 German Respiratory Society (DGP) Research Award 2017 for outstanding work in the field of clinical-therapeutic research
- 1996/97 Advancement Award of the City of Norderstedt and Annual Award of the Rotary Club Norderstedt

Citation Record

Total citations: 4,209; h-index: 28; h-index since 2017: 25 (Google Scholar August 26th, 2022)

Top-10 selected Publications

Karrasch S, Linde K, Rücker G, Sommer H, Karsch-Völk M, Kleijnen J, Jörres RA, Schneider A (2017). Accuracy of FENO for diagnosing asthma: a systematic review. *Thorax* 72(2): 109-116. doi: 10.1136/thoraxjnl-2016-208704

Karrasch S, Peters A, Meisinger C, Ferland M, Jaeschke L, Pischon T, ..., Leitzmann M, Brenner H, Holleczer B, Schulz H (2020). Lung function in the German National Cohort: methods and initial results. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 63(3): 322-331. doi: 10.1007/s00103-020-03102-1

Shrine N, Guyatt AL, Erzurumluoglu AM, Jackson VE, ..., Sun BB, Zhou J, Hui J, **Karrasch S**, Imboden M, ..., Strachan DP, Hall IP, Tobin MD, Wain LV (2019). New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. *Nat Genet* 51(3): 481-493. doi: 10.1038/s41588-018-0321-7

Schulz H, **Karrasch S**, Bölke G, Cyrus J, Hornberg C, Pickford R, Schneider A, Witt C, Hoffmann B (2019). Breathing: Ambient Air Pollution and Health. Parts I, II and III. *Pneumologie* 73(5):288-305; 73(6):347-373; 73(7):407-429. doi: 10.1055/a-0882-9366; 10.1055/a-0895-6494; 10.1055/a-0920-6423

Karrasch S, Simon M, Herbig B, Langner J, Seeger S, Kronseder A, Peters S, Dietrich-Gümperlein G, Schierl R, Nowak D, Jörres RA (2017). Health effects of laser printer emissions: a controlled exposure study. *Indoor Air* 27(4): 753-765. doi: 10.1111/ina.12366

Albrecht E*, Sillanpää E*, **Karrasch S***, Alves AC*, Codd V, Hovatta I, Buxton JL, Nelson CP, Broer L, Hagg S, Mangino M, Willemsen G, Surakka I, Ferreira MA, ..., van Duijn CM, Kaprio J, Samani NJ, Jarvelin MR*, Schulz H* (2014). Telomere length in circulating leukocytes is associated with lung function and disease. *Eur Respir J* 43(4): 983-992. doi: 10.1183/09031936.00046213

Karrasch S, Holz O, Jörres RA (2008). Aging and induced senescence as factors in the pathogenesis of lung emphysema. *Respir Med* 102(9): 1215-1230. doi: 10.1016/j.rmed.2008.04.013

Breen M, Nwanaji-Enwerem JC, **Karrasch S**, Flexeder C, ..., Vokonas P, Sparrow D, Hou L, Schwartz JD, Baccarelli AA, Peters A, Ward-Caviness CK (2020). Accelerated epigenetic aging as a risk factor for chronic obstructive pulmonary disease and decreased lung function in two prospective cohort studies. *Aging (Albany NY)* 12(16): 16539-16554. doi: 10.18632/aging.103784

Ge C, Peters S, Olsson A, Portengen L, ..., Jöckel KH, **Karrasch S**, Teresa Landi M, Lissowska J, Luce D, Mates D, McLaughlin J, ..., Wichmann HE, Zaridze D, Straif K, Kromhout H, Vermeulen R (2020). Diesel Engine Exhaust Exposure, Smoking, and Lung Cancer Subtype Risks. A Pooled Exposure-Response Analysis of 14 Case-Control Studies. *Am J Respir Crit Care Med* 202(3): 402-411. doi: 10.1164/rccm.201911-2101OC

Mueller J*, **Karrasch S***, Lorbeer R, Ivanovska T, Pomschar A, Kunz WG, von Krüchten R, Peters A, Bamberg F, Schulz H, Schlett CL (2019). Automated MR-based lung volume segmentation in population-based whole-body MR imaging: correlation with clinical characteristics, pulmonary function testing and obstructive lung disease. *Eur Radiol* 29(3):1595-1606. doi: 10.1007/s00330-018-5659-9