

Curriculum Vitae

Andreas Rembert Koculla

Professor, Dr. med.

d.o.b. February 24th, 1973, in Frankfurt, Germany

University Education

2021 Habilitation Internal Medicine, Philipps University Marburg
2001 Doctorate Medicine, Humboldt University Berlin, Charité
1993-99 Studies of Medicine, Humboldt University Berlin, AKH Vienna, LKH Graz, Texas Heart Institute, Texas, USA

Scientific Career:

2018 - now Founding of the Institute for Pulmonary Rehabilitation Research
2017 - now Chief of Pulmonary Division Schön Klinik Berchtesgadener Land
Teaching Hospital of the Philipps University Marburg
Teaching Hospital PMU Salzburg
2017 - now W3 Professor Pulmonary Rehabilitation, Philipps University Marburg
2008 - now Principal Investigator of working group with focus on pulmonary non-invasive diagnostics, training therapy, rehabilitation and inflammatory lung diseases
2006 - 2017 Post doc and specialist, resident
2005 Fellow in the Department of Pulmonology Leiden University (LUMC), Leiden Netherlands
(Prof. K. Rabe, Prof. P. Hiemstra, Dr. J. Stolk and Prof. P. Sterk)
2001 Post Doc/Resident in the Department of Pulmonology Marburg, Germany (Prof. Dr. Vogelmeier)
2000 - 2001 Internship/residency at the Department of Internal Medicine, University of Munich, Graduation (magna cum laude)

Awards/Prizes/Founding:

2021 Coordinator of the AWMF S1 Guideline Long-Post Covid
2020 part of a BMBF Project Covid/post Covid
2019/20 PACE Study, Bavarian Funding KAIA Machine Learning, several IITs
2018 Foundation of the German Institute for Pulmonary Rehab Research
2018 DFG Funding Essence 2nd period
2016 GSK-Grant/Preis der Deutschen Atemwegsliga
2015 DFG Funding Essence
2014 Pneumo Update 2nd Prize; Loewe III Funding
2012 UGMLC Grant; DGP Poster Prize (3.)
2011-now Part of the German Center of Lung Research (DZL), PI 1996, Charité Grant
2008 KKS Award- Study Design; Behring/Röntgen Grant
2006 eAlta fellowship/Laurell's Training Award
2005 GSK-Grant/Preis der Deutschen Atemwegsliga
1998 Sokrates Grant

Top-10 selected Publications

Using a smartphone application maintains physical activity following pulmonary rehabilitation in patients with COPD: a randomised controlled trial

Spielmanns M, Gloeckl R, Jarosch I, Leitl D, Schneeberger T, Boeselt T, Huber S, Kaur-Bollinger P, Ulm B, Mueller C, Bjoerklund J, Spielmanns S, Windisch W, Pekacka-Egli AM, Koczulla AR. *Thorax*. 2022 Apr 21;thoraxjnl-2021-218338. doi: 10.1136/thoraxjnl-2021-218338. Online ahead of print. PMID: 35450945

S1 Guideline Post-COVID/Long-COVID

Koczulla AR, Ankermann T, Behrends U, Berlit P, Böing S, Brinkmann F, Franke C, Glöckl R, Gogoll C, Hummel T, Kronsbein J, Maibaum T, Peters EMJ, Pfeifer M, Platz T, Pletz M, Pongratz G, Powitz F, Rabe KF, Scheibenbogen C, Stallmach A, Stegbauer M, Wagner HO, Waller C, Wirtz H, Zeiher A, Zwick RH. *Pneumologie*. 2021 Nov;75(11):869-900. doi: 10.1055/a-1551-9734. Epub 2021 Sep 2. PMID: 34474488 German.

Benefits of pulmonary rehabilitation in COVID-19 – a prospective observational cohort study

Authors: Rainer Gloeckl PhD* 1,2, Daniela Leitl MSc* 1,2, Tessa Schneeberger 1,2, Inga Jarosch 1,2, Christoph Nell PhD³, Nikola Stenzel PhD⁴, Claus F. Vogelmeier MD⁵, Klaus Kenn MD^{1,2}, Andreas R. Koczulla MD

Acute effects of supplemental oxygen therapy using different nasal cannulas on walking capacity in patients with idiopathic pulmonary fibrosis: a randomised crossover trial

Schneeberger T, Leitl D, Gloeckl R, Jarosch I, Reimann D, Hitzl W, Koczulla R, Kenn K. *ERJ Open Res*. 2020 Aug 17;6(3):00197-2020. doi: 10.1183/23120541.00197-2020. eCollection 2020 Jul. PMID: 32832533

Liver Fibrosis and Metabolic Alterations in Adults with Alpha1 Antitrypsin Deficiency Caused by the Pi*ZZ Mutation

Hamesch K, Mandorfer M, Pereira VM, Moeller LS, Pons M, Dolman GE, Reichert MC, Heimes CV, Woditsch V, Voss J, Lindhauer C, Fromme M, Spivak I, Guldiken N, Zhou B, Arslanow A, Schaefer B, Zoller H, Aigner E, Reiberger T, Wetzel M, Siegmund B, Simões C, Gaspar R, Maia L, Costa D, Bento-Miranda M, van Helden J, Yagmur E, Bzdok D, Stolk J, Gleiber W, Knipel V, Windisch W, Mahadeva R, Bals R, Koczulla R, Barrecheuren M, Miravittles M, Janciauskiene S, Stickel F, Lammert F, Liberal R, Genesca J, Griffiths WJ, Trauner M, Krag A, Trautwein C, Strnad P; European Alpha1-Liver Study Group. *Gastroenterology*. 2019 May 20. pii: S0016-5085(19)40894-9. (IF: 19.23)

The prevalence of diagnosed α 1-antitrypsin deficiency and its comorbidities: results from a large population-based database

Greulich T, Nell C, Hohmann D, Grebe M, Janciauskiene S, Koczulla AR, Vogelmeier CF. *Eur Respir J*. 2017 Jan 4;49(1). pii: 1600154. doi: 10.1183/13993003.00154-2016. (IF: 12.24)

Alpha1-antitrypsin regulates transcriptional levels of serine proteases in blood mononuclear cells

Nupur Aggarwal, Janine Koepke, Nerea Matamala, Beatriz Martinez-Delgado, Maria Teresa Martinez, Heiko Golpon, Jan Stolk, Sabina Janciauskiene, A-Rembert Koczulla. *Am. J. Resp. Crit Care* in press [IF 12,9]

Exercise training leads to physiological left ventricular hypertrophy in COPD

P. Alter L, Luetteken C, Nell D, Haid K, Kehr T, Greulich S, Apelt K, Langenhan C, Hohmann C, F. Vogelmeier A, R. Koczulla. *International Journal of Cardiology* [IF 5.5]

Detection of obstructive sleep apnea by an electronic nose

Timm Greulich, Akira Hattesoht, Antje Grabisch, Janine Koepke, Severin Schmid, Sarah Noeske, Christoph Nell, Marion Wencker, Rudolf A. Jörres, Claus Franz Vogelmeier, Ulrich Köhler, Andreas Rembert Koczulla. *Eur Respir J*. 2013 Jul;42(1):145-55. doi: 10.1183/09031936.00091712. [IF 6,355]

An angiogenic role for the human peptide antibiotic LL-37/hCAP-18

Koczulla R, Rembert, von Degenfeld G, Kupatt C, Krötz F, Zahler S, Gloe T, Issbrücker K, Unterberger P, Zaiou M, Leberher C, Karl A, Raake P, Pfosser A, Boekstegers P, Welsch U, Hiemstra P, Sicco V, Vogelmeier C, Gallo R, Claus M, Bals R. *J Clin Invest*. 2003 Jun;111(11):1665-72. [IF 15,4]