

Curriculum Vitae

Norbert Weissmann Professor, Dr. rer. nat.
d.o.b. March 22, 1964 in Giessen

University Education

2002 Habilitation in Pathophysiology and Experimental Pneumology, JLU Giessen
1994-1999 Post-doctoral Fellow, JLU Giessen, Department of Internal Medicine
1994 Doctor of Natural Sciences, JLU Giessen
1990 Diploma in Biology, JLU Giessen
1989-1990 Studies of Biology, JLU Giessen
1987-1989 Civil Service
1983-1987 Studies of Biology, JLU Giessen

Scientific Career

Since 2021 Professor (W3) for Molecular Mechanisms of Emphysema, Hypoxia and Lung Aging, JLU Giessen
Since 2019 Steering Board Member Cluster of Excellence CPI
Since 2016 Spokesperson and Principal Investigator Collaborative Research Center SFB1213
2011 Founding Member DZL
2010-2015 Principal Investigator HMWK LOEWE Initiative – UGMLC
2008 W2 Professor for Molecular Mechanisms of Emphysema, Hypoxia and Lung Aging, JLU Giessen
2007-2008 Honorary Professor for Pathophysiology and Experimental Pneumology, JLU Giessen
2006-2018 Principal Investigator DFG Excellence Cluster Cardio Pulmonary System
2006-2010 Principal Investigator 6. EU-Rahmenprogramm
2004-2007 University Lecturer (C2) for Experimental Pneumology, JLU Giessen
2003-2009 Principal Investigator DFG Collaborative Research Center SFB 547
1999-2004 Research Assistant (C1), JLU Giessen, Department of Internal Medicine

Awards and Honors

2007 Galenus von Pergamon Award
2003 and 2004 Distinguished Teaching Award of the International Graduate Program Molecular Biology and Medicine of the Lung (MBML)
2002 Annual Award of the German Respiratory Society DGP
2000 Pulmedica-Award (co-author)
1994/1995 Award of the Justus-Liebig-University for the best doctoral thesis in biology (section independent)

Citation Record

h-index: 94 (Google Scholar March 23, 2026)

Activities

Member of the Senat of the Justus Liebig University (JLU) Giessen; Head of the PhD board of the Faculties of Veterinary Medicine and Medicine, JLU; Member of the PhD board of the Cardio-Pulmonary Institute (CPI); Head of the users 'committee of the central animal facility, JLU; Member of the animal welfare committee JLU; Council member of the Faculty of Medicine, JLU; Head of the Faculty Party "Freedom for Research and Teaching", JLU, Giessen, Germany

Top-10 selected Publications

Wu CY, Cilic A, Pak O, Dartsch RC, Wilhelm J, Wujak M, Lo K, Brosien M, Zhang R, Alkoudmani I, Witte B, Pedersen F, Watz H, Voswinckel R, Günther A, Ghofrani HA, Brandes RP, Schermuly RT, Grimminger F, Seeger W, Sommer N, **Weissmann N**, Hadzic S. CEACAM6 as a Novel Therapeutic Target to Boost

HO-1-mediated Antioxidant Defense in COPD. **Am J Respir Crit Care Med.** 2023 Jun 15;207(12):1576-1590. doi: 10.1164/rccm.202208-1603OC.

Roxlau ET, Pak O, Hadzic S, Garcia-Castro CF, Gredic M, Wu CY, Schäffer J, Selvakumar B, Pichl A, Spiegelberg D, Deutscher J, Bednorz M, Schäfer K, Kraut S, Kosanovic D, Zeidan EM, Kojonazarov B, Herold S, Strielkov I, Guenther A, Wilhelm J, Khalifa MMA, Taye A, Brandes RP, Hecker M, Grimminger F, Ghofrani HA, Schermuly RT, Seeger W, Sommer N, **Weissmann N.** Nicotine promotes e-cigarette vapour-induced lung inflammation and structural alterations. **Eur Respir J.** 2023; 61:2200951. doi: 10.1183/13993003.00951-2022.

Veith C, Vartürk-Özcan I, Wujak M, Hadzic S, Wu CY, Knoepp F, Kraut S, Petrovic A, Gredic M, Pak O, Brosien M, Heimbrodt M, Wilhelm J, Weisel FC, Malkmus K, Schäfer K, Gall H, Tello K, Kosanovic D, Sydykov A, Sarybaev A, Günther A, Brandes RP, Seeger W, Grimminger F, Ghofrani HA, Schermuly RT, Kwapiszewska G, Sommer N, **Weissmann N.** SPARC, a novel regulator of vascular cell function in pulmonary hypertension. **Circulation.** 2022;145:916-933. doi: 10.1161/CIRCULATIONAHA.121.057001.

Gredic M, Wu CY, Hadzic S, Pak O, Savai R, Kojonazarov B, Doswada S, Weiss A, Weigert A, Guenther A, Brandes RP, Schermuly RT, Grimminger F, Seeger W, Sommer N, Kraut S, **Weissmann N.** Myeloid-cell-specific deletion of inducible nitric oxide synthase protects against smoke-induced pulmonary hypertension in mice. **Eur Respir J.** 2022;59:2101153. doi: 10.1183/13993003.01153-2021.

Seimetz M, Sommer N, Bednorz M, Pak O, Veith C, Hadzic S, Gredic M, Parajuli N, Kojonazarov B, Kraut S, Wilhelm J, Knoepp F, Henneke I, Pichl A, Kanbagli ZI, Scheibe S, Fysikopoulos A, Wu CY, Klepetko W, Jaksch P, Eichstaedt C, Grünig E, Hinderhofer K, Geiszt M, Müller N, Rezende F, Buchmann G, Wittig I, Hecker M, Hecker A, Padberg W, Dorfmueller P, Gattenlöhner S, Vogelmeier CF, Günther A, Karnati S, Baumgart-Vogt E, Schermuly RT, Ghofrani HA, Seeger W, Schröder K, Grimminger F, Brandes RP, **Weissmann N.** NADPH oxidase subunit NOX1 is a target for emphysema treatment in COPD. **Nat Metab.** 2020;2:532-546. doi: 10.1038/s42255-020-0215-8.

Sommer N, Huttemann M, Pak O, Scheibe S, Knöpp F, Sinkler C, Malczyk M, Gierhardt M, Esfandiary A, Kraut S, Jonas FT, Veith C, Aras S, Sydykov A, Alebrahimdehordi N, Giehl K, Hecker M, Brandes RP, Seeger W, Grimminger F, Ghofrani HA, Schermuly RT, Grossman LI, **Weissmann N.** Mitochondrial complex IV Subunit 4 isoform 2 is essential for acute pulmonary oxygen sensing. **Circ Res.** 2017;121:424-438. doi: 10.1161/CIRCRESAHA.116.310482.

Weissmann N, Sydykov A, Kalwa H, Storch U, Fuchs B, Mederos y Schnitzler M, Brandes RP, Grimminger F, Meissner M, Freichel M, Offermanns S, Veit F, Pak O, Krause KH, Schermuly RT, Brewer AC, Schmidt HH, Seeger W, Shah AM, Gudermann T, Ghofrani HA, Dietrich A. Activation of TRPC6 channels is essential for lung ischaemia-reperfusion induced oedema in mice. **Nat Commun.** 2012;3:649. doi: 10.1038/ncomms1660.

Kwapiszewska G, Markart P, Dahal BK, Kojonazarov B, Marsh LM, Schermuly RT, Taube C, Meinhardt A, Ghofrani HA, Steinhoff M, Seeger W, Preissner KT, Olschewski A, **Weissmann N,** Wygrecka M. PAR-2 inhibition reverses experimental pulmonary hypertension. **Circ Res.** 2012;110:1179-1191. doi: 10.1161/CIRCRESAHA.111.257568.

Seimetz M, Parajuli N, Pichl A, Veit F, Kwapiszewska G, Weisel FC, Milger K, Egemnazarov B, Turowska A, Fuchs B, Nikam S, Roth M, Sydykov A, Medebach T, Klepetko W, Jaksch P, Dumitrascu R, Garn H, Voswinckel R, Kostin S, Seeger W, Schermuly RT, Grimminger F, Ghofrani HA, **Weissmann N.** Inducible NOS inhibition reverses tobacco-smoke-induced emphysema and pulmonary hypertension in mice. **Cell.** 2011;147:293-305. doi: 10.1016/j.cell.2011.08.035.

Kwapiszewska G, Wygrecka M, Marsh LM, Schmitt S, Trösser R, Wilhelm J, Helmus K, Eul B, Zakrzewicz A, Ghofrani HA, Schermuly RT, Bohle RM, Grimminger F, Seeger W, Eickelberg O, Fink L, **Weissmann N**. Fhl-1, a new key protein in pulmonary hypertension. **Circulation**. 2008;118:1183- 1194. doi: 10.1161/CIRCULATIONAHA.107.761916.