

Curriculum Vitae

Clemens Ruppert Dr. rer.nat,
d.o.b. April 24th, 1969, in Bensheim, Germany

University Education

- 2000 Doctorate Natural Sciences, Saarland University Saarbrücken
1995 - 2000 Ph.D. program, Department of Pharmacy and Biopharmaceutics, Saarland University, Saarbrücken
1990–1994 Studies of Pharmacy, Philips-University Marburg

Scientific Career

- 2021 -2024 Project leader (CO-PI) of an individual research project (RU907/7-1) funded by the German Research Council (DFG): “Strategien, die Lunge vor der Beatmungs-induzierten Schädigung und Fibrose als Folge einer abnormalen alveolären Mikromechanik zu schützen“, joint project with Lars Knudsen, Hannover Medical School
- 2014 – 2017 Project leader (CO-PI) of an individual research project RU907/4-1, funded by the German Research Council (DFG) “Surfactantdysfunktion, alveoläre Kollapsneigung und deren Rollen für die Entwicklung der Lungenfibrose in zwei Tiermodellen der Ratte“, joint project with Lars Knudsen, Hannover Medical School and Heinz-Gerd Hoymann, ITEM Hannover
- 2013 - Head of the DZL/UGMLC Giessen Biobank,
Biobank Manager of the DZL Biobank platform
- 2012 - 2017 Project leader in frame of the BMBF research initiative „Innovative Therapy“: “A novel surfactant protein B-urokinase fusion protein (SPUC) for treatment of acute lung injury and Idiopathic Pulmonary Fibrosis”
- 2010 – 2013 Project leader of an individual research project RU907/3-1, funded by the German Research Council (DFG): “Relative role and interdependence of urokinase and hepatocyte growth factor in mediating epithelial cell-protective effects in lung fibrosis”
- 2009 - 2012 Project Leader “German Diffuse Parenchymal Lung Disease Network” (GOLDnet. BMBF)
- 2007 - 2009 Project leader in frame of the Clinical Research Group “Pathomechanisms and therapy of Lung Fibrosis”, (DFG, KFO 118)
- 2006 - Faculty member of the Excellence Cluster Cardio-Pulmonary System (ECCPS)
- 2006 – 2007 Project leader of an individual research project RU907/2-2, funded by the German Research Council (DFG): “Stellenwert der enzymatisch vermittelten Surfactantkonversion bei respiratorischer Insuffizienz”
- 2003 - 2006 Research Fellowship, Collaborative Research Center (Sonderforschungsbereich) SFB 547 “Cardiopulmonary Vascular System” funded by the German Research Council (DFG)
- 2003 - 2005 Project leader of an individual research project RU907/2-1, funded by the German Research Council (DFG): “Stellenwert der enzymatisch vermittelten Surfactantkonversion bei respiratorischer Insuffizienz”
- 2001 - 2003 Postdoctoral Research Fellow, Department of Internal Medicine, JLU Gießen

Awards and Honors

- 2013 Poster Award Kongress Dt. Gesellschaft f. innere Medizin, Wiesbaden 2013
2012 Poster Award International UGMLC/DZL Symposium, Marburg 2012
2000 Travel Award, German Society for Thrombosis and Hemostasis Research (GTH), Freiburg 2000

Citation Record

Total citations: 7,236; h-index:48; h-index since 2021: 30 (Google Scholar March 20th, 2026)
in total 121 scientific publications, including 111 original, peer reviewed, Pubmed listed papers, 6 Review, 4 book chapters
ORCID ID: 0000-0002-0938-2469

Top-10 selected Publications (last 5 years)

Katariya BB, Chillappagari S, Arnold L, Guenther S, Dasadia Y, Noori A, Krauss E, Jiyani T, Wrede C, Hegermann J, Bellusci S, Fink L, **Ruppert C**, Mühlfeld C, Benazzo A, Hoetzenecker K, Aigner C, Guenther A, Mahavadi P. Targeting fused in sarcoma (FUS): a novel antisense strategy for treating idiopathic pulmonary fibrosis. **Signal Transduct Target Ther**. 2026 Feb 26;11(1):70. doi: 10.1038/s41392-026-02585-9. PMID: 41741410; PMCID: PMC12936215.

Simoës de Jesus D, Buffonge S, Abis G, Buccafusca R, Baliga R, Warren HR, Hobbs A, **Ruppert C**, Weiss A, Schermuly RT, Eaton P, Charles RL. Zinc-mediated Inhibition of Soluble Epoxide Hydrolase Promotes Pulmonary Hypertension. **Am J Respir Crit Care Med**. 2025 Sep;211(9):1689-1700. doi: 10.1164/rccm.202409-1763OC. PMID: 40504769; PMCID: PMC12499926.

Schmerer N, Janga H, Aillaud M, Hoffmann J, Aznaourova M, Wende S, Steding H, Halder LD, Uhl M, Boldt F, Stiewe T, Nist A, Jerrentrup L, Kirschbaum A, **Ruppert C**, Rossbach O, Ntini E, Marsico A, Valasarajan C, Backofen R, Linne U, Pullamsetti SS, Schmeck B, Schulte LN. A searchable atlas of pathogen-sensitive lncRNA networks in human macrophages. **Nat Commun**. 2025 May 21;16(1):4733. doi: 10.1038/s41467-025-60084-x. PMID: 40399309; PMCID: PMC12095776.

Wasnick R, Korfei M, Piskulak K, Henneke I, Wilhelm J, Mahavadi P, Dartsch RC, von der Beck D, Koch M, Shalashova I, Weiss A, Klymenko O, Askevold I, Fink L, Witt H, Hackstein H, El Agha E, Bellusci S, Klepetko W, Königshoff M, Eickelberg O, Schermuly RT, Braun T, Seeger W, **Ruppert C**, Guenther A. Notch1 Induces Defective Epithelial Surfactant Processing and Pulmonary Fibrosis. **Am J Respir Crit Care Med**. 2023 Feb 1;207(3):283-299. doi: 10.1164/rccm.202105-1284OC. PMID: 36047984.

Chu X, Kheirollahi V, Lingampally A, Chelladurai P, Valasarajan C, Vazquez-Armendariz AI, Hadzic S, Khadim A, Pak O, Rivetti S, Wilhelm J, Bartkuhn M, Crnkovic S, Moiseenko A, Heiner M, Kraut S, Atefi LS, Koepke J, Valente G, **Ruppert C**, Braun T, Samakovlis C, Alexopoulos I, Looso M, Chao CM, Herold S, Seeger W, Kwapiszewska G, Huang X, Zhang JS, Pullamsetti SS, Weissmann N, Li X, El Agha E, Bellusci S. GLI1+ Cells Contribute to Vascular Remodeling in Pulmonary Hypertension. **Circ Res**. 2024 May 24;134(11):e133-e149. doi: 10.1161/CIRCRESAHA.123.323736. Epub 2024 Apr 19. PMID: 38639105.

Knight H, Abis G, Kaur M, Green HLH, Krasemann S, Hartmann K, Lynham S, Clark J, Zhao L, **Ruppert C**, Weiss A, Schermuly RT, Eaton P, Rudyk O. Cyclin D-CDK4 Disulfide Bond Attenuates Pulmonary Vascular Cell Proliferation. **Circ Res**. 2023 Dec 8;133(12):966-988. doi: 10.1161/CIRCRESAHA.122.321836. Epub 2023 Nov 13. PMID: 37955182; PMCID: PMC10699508.

Chelladurai P, Kuenne C, Bourgeois A, Günther S, Valasarajan C, Cherian AV, Rottier RJ, Romanet C, Weigert A, Boucherat O, Eichstaedt CA, **Ruppert C**, Guenther A, Braun T, Looso M, Savai R, Seeger W, Bauer UM, Bonnet S, Pullamsetti SS. Epigenetic reactivation of transcriptional programs orchestrating fetal lung development in human pulmonary hypertension. **Sci Transl Med** 2022; 14(648):eabe5407 doi: [10.1126/scitranslmed.abe5407](https://doi.org/10.1126/scitranslmed.abe5407).

Kim HT, Panza P, Kikhi K, Nakamichi Y, Atzberger A, Guenther S, **Ruppert C**, Guenther A, Stainier DYR. WNT/Ryk signaling functions as an antiinflammatory modulator in the lung mesenchyme. **Proc Natl Acad Sci U S A**. 2022 Jun 14;119(24):e2201707119. doi: 10.1073/pnas.2201707119. Epub 2022 Jun 7. PMID: 35671428

Kudryashova TV, Dabral S, Nayakanti S, Ray A, Goncharov DA, Avolio T, Shen Y, Rode A, Pena A, Jiang L, Lin D, Baust J, Bachman TN, Graumann J, **Ruppert C**, Guenther A, Schmoranzler M, Grobs Y, Eve Lemay S, Tremblay E, Breuils-Bonnet S, Boucherat O, Mora AL, DeLisser H, Zhao J, Zhao Y, Bonnet S, Seeger W, Pullamsetti SS, Goncharova EA. Noncanonical HIPPO/MST Signaling via BUB3 and FOXO Drives Pulmonary Vascular Cell Growth and Survival. **Circ Res**. 2022 Mar 4;130(5):760-778. doi: 10.1161/CIRCRESAHA.121.319100. Epub 2022 Feb 7. PMID: 35124974

Bauer L, Müller LJ, Volkens SM, Heinrich F, Mashreghi MF, **Ruppert C**, Sander LE, Hutloff A. Follicular Helper-like T Cells in the Lung Highlight a Novel Role of B Cells in Sarcoidosis. **Am J Respir Crit Care Med**. 2021 Dec 15;204(12):1403-1417. doi: 10.1164/rccm.202012-4423OC. PMID: 34534436