

## Curriculum Vitae

**Susanne Herold** Professor, Dr. med., PhD  
d.o.b. November 10th, 1975, in Offenburg, Germany

### University Education

2013 Habilitation in Internal Medicine, Justus-Liebig-University, Gießen, Germany  
2008 PhD, Justus-Liebig-University, Gießen, Germany  
2003 Dr. med. MD, Justus-Liebig-University, Gießen, Germany  
1995-2002 Medical School, Justus-Liebig-University Gießen, Germany

### Scientific Career

Since 2026 Speaker, Excellence Cluster "Cardio-Pulmonary Institute" (EXC2026)  
Since 2026 Co-Coordinator, Advanced Clinician Scientist Program "JLU-LIFT" (BMFTR)  
Since 2026 Executive Board Member, German Center for Infection Research (DZIF)  
2025-2031 Member of the German Research Council (Wissenschaftsrat), Committee on Research Buildings  
Since 2023 Board of Directors, Excellence Cluster "Cardio-Pulmonary Institute"  
2023 Board Certification Internal Medicine and Infectious Diseases, Landesärztekammer Hessen, Germany  
Since 2022 Full Professor (W3), Department of Medicine V, Internal Medicine, Infectious Diseases and Pulmonary Research, Justus-Liebig-University, UKGM, Gießen, Germany  
2021-2026 Member, DFG Senate Commission on Key Questions in Clinical Research (SGKF)  
Since 2018 Coordinator, Disease Area "Pneumonia and Acute Lung Injury", German Center for Lung Research (DZL)  
2018-2023 Vice Speaker, Collaborative Research Consortium SFB-TR84 "Innate Immunity of The Lung- Mechanisms of Pathogen Attack and Host Defense during Pneumonia"  
2018-2022 Full Professor (W3), Pulmonary Infections, Justus-Liebig-University, Gießen, Germany  
2016 Board Certification in Internal Medicine and Pulmonary Medicine, Landesärztekammer Hessen, Germany  
2015-2018 Professor (W2), Acute Lung Injury, Justus-Liebig-University, Gießen, Germany  
Since 2013 Adjunct Associate Professor, Northwestern University of Chicago, USA  
2010 Board Certifications Internal Medicine, Infectious Diseases, Landesärztekammer Hessen, Germany

### Awards and Honors

2025 Member of the German Academy of the Sciences (Leopoldina)  
2024 Fellow of the American Thoracic Society  
2022 LOEWE Professorship of Excellence (Internal Medicine, Infectious Diseases and Pulmonary Research)  
2010 Förderpreis "Klinische Infektionsforschung" of the German Society for Infectious Diseases (DGI)  
2006 Young Investigator's Award of the German Society of Internal Medicine (DGIM)

### Citation Record

Total citations: >13.000, h-index:61 (Google Scholar February 25<sup>th</sup>, 2026)

### Top-10 selected Publications

Malainou C, Peteranderl C, Ferrero MR, Vazquez-Armendariz AI, Alexopoulos I, Franz K, Knippenberg K, Better J, Estiri M, Wu CY, Schultheis H, Bushe J, Del Rio ML, Rodriguez-Barbosa JI, Pfeiffer K, Günther S, Looso M, Gruber AD, Vadász I, Matt U, **Herold S**. TNF superfamily member 14 drives post-influenza depletion of alveolar macrophages, enabling secondary pneumococcal pneumonia. **J Clin Invest**. 2025 Nov 18;136(2):e185390. doi: [10.1172/JCI185390](https://doi.org/10.1172/JCI185390).

Better J, Estiri M, Wettstein M, Pervizaj-Oruqaj L, Malainou C, Ogungbemi-Alt V, Ferrero M, Langelage M, Kuznetsova I, Vazquez-Armendariz I, Kimmig L, Pak O, Mansouri S, Savai R, Wilhelm J, Alexopoulos I, Sommer N, **Herold S**#, Matt U#. Cell type-specific efferocytosis determines functional plasticity of alveolar macrophages. **Sci Immunol** 10(107):eadl3852, 2025. doi: [10.1126/sciimmunol.adl3852](https://doi.org/10.1126/sciimmunol.adl3852). #shared last author

Pervizaj-Oruqaj L, Selvakumar B, Ferrero MR, Heiner M, Malainou C, Glaser RD, Wilhelm J, Bartkuhn M, Weiss A, Witte B, Gattenlöhner S, Vadász I, Morty RE, Seeger W, Schermuly RT, Vazquez-Armendariz AI, **Herold S**. Viral pneumonia elicits a lung epithelial repair program in transdifferentiating alveolar macrophages characterized by Placenta-expressed transcript 1 (Plet1) expression: therapeutic implications. **Nat Commun**. 2024;15(1):87. doi: [10.1038/s41467-023-44421-6](https://doi.org/10.1038/s41467-023-44421-6).

Sauerhering L, Kuznetsova I, Kupke A, Meier L, Halwe S, Rohde C, Schmidt J, Morty RE, Danov O, Braun A, Vadasz I, Becker S, **Herold S**. Cyclosporin A Reveals Potent Antiviral Effects in Preclinical Models of SARS-CoV-2 Infection. **Am J Respir Crit Care Med**. 2022;205:964-968. doi: [10.1164/rccm.202108-1830LE](https://doi.org/10.1164/rccm.202108-1830LE).

Wendisch D, Dietrich O, Mari T, Ibarra IL, von Stillfried S, Mittermaier M, Mache C, Brumhard S, Krammer T, Zauber H, Hiller AL, Pascual-Reguant A, Mothes R, Bülow RD, Schulze J, Erhard F, Geffers R, Pott F, Kazmierski J, Radke J, Pergantis PJ, Lorenz Chua R, Baßler K, Conrad C, Aschenbrenner AC, Sawitzki B, Landthaler M, Wyler E, Eils R, Conrad C, Hippenstiel S, Hocke A, Heppner FL, Uhrig A, Garcia C, Machleidt F, Temmesfeld-Wollbrück B, **Herold S**, Elezkurtaş S, Thibeault C, Witzernath M, Cochain C, Suttorp N, Drosten C, Goffinet C, Kurth F, Radbruch H, Schultze JL, Luecken MD, Hauser AE, Müller-Redetzky H, Theis FJ, Boor P, Wolff T, Selbach M, Saliba AE, Sander LE. SARS-CoV-2 infection triggers profibrotic macrophage responses and lung fibrosis. **Cell**. 2021;184(26):6243-61.e27. doi: [10.1016/j.cell.2021.11.033](https://doi.org/10.1016/j.cell.2021.11.033).

Sauerhering L, Kupke A, Meier L, Dietzel E, Joppe J, Gruber AD, Gattenloehner S, Witte B, Fink L, Hoffmann N, Zimmermann T, Goesmann A, Nist A, Stiewe T, Becker S, **Herold S**, Peteranderl C. Cyclophilin Inhibitors restrict Middle East Respiratory Syndrome Coronavirus via Interferon lambda. **Eur Resp J**. 2020;56:1901826. doi: [10.1183/13993003.01826-2019](https://doi.org/10.1183/13993003.01826-2019).

Vázquez-Armendariz AI, Heiner M, El Agha E, Salwig I, Hoek A, Hessler MC, Shalashova I, Shrestha A, Carraro G, Mengel JP, Günther A, Morty RE, Vadasz I, Schwemmler M, Kummer W, Hain T, Goesmann A, Bellusci S, Seeger W, Braun T, **Herold S**. Multilineage murine stem cells generate complex organoids to model distal lung development and disease. **EMBO J**. 2020;39:e103476. doi: [10.15252/emj.2019103476](https://doi.org/10.15252/emj.2019103476).

Peteranderl C, Morales-Nebreda L, Selvakumar B, Lecuona E, Vadasz I, Morty RE, Schmoltdt C, Bespalowa J, Wolff T, Pleschka S, Mayer K, Gattenloehner S, Fink L, Lohmeyer J, Seeger W, Sznajder JJ, Mutlu GM, Budinger GR, **Herold S**. Macrophage-epithelial paracrine crosstalk inhibits lung edema clearance during influenza infection. **J Clin Invest**. 2016;126(4):1566-80. doi: [10.1172/JCI83931](https://doi.org/10.1172/JCI83931).

**Herold S**, Hoegner K, Vadasz I, Gessler T, Wilhelm J, Mayer K, Morty RE, Walmrath HD, Seeger W, Lohmeyer J. Inhaled granulocyte/macrophage colony-stimulating factor as treatment of pneumonia-associated acute respiratory distress syndrome. **Am J Respir Crit Care Med**. 2014;189(5):609-11. doi: [10.1164/rccm.201311-2041LE](https://doi.org/10.1164/rccm.201311-2041LE).

Unkel B, Hoegner K, Clausen BE, Lewe-Schlosser P, Bodner J, Gattenloehner S, Janssen H, Seeger W, Lohmeyer J, **Herold S**<sup>1,4,6</sup>. Alveolar epithelial cells orchestrate DC function in murine viral pneumonia. **J Clin Invest**. 2012;122(10):3652-64. doi: [10.1172/JCI62139](https://doi.org/10.1172/JCI62139).