

SUSANNE HEROLD

Academic Career

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| 2018 | W3 Professor for Pulmonary Infections, Head of Infectious Diseases Department UKGM |
| 2017 | Call for W3 Chair for Infections and Tropical Diseases, MedUniWien |
| 2016 | Board Certification, Pulmonary Medicine (LÄK Hessen) |
| 2015 | W2 Professor for Acute Lung Injury, Justus Liebig University of Giessen |
| 2013 | Oberärztin, Department of Internal Medicine II, Pulmonary and Critical Care Medicine and Infectious Diseases, University Hospital of Giessen |
| 2013 - | Adjunct Associate Professor, Northwestern University of Chicago, Feinberg School of Medicine, Department of Pulmonary and Critical Care Medicine |
| 2011 | Infektiologin (DGI) |
| 2010 | Board Certification, Internal Medicine (LÄK Hessen) |
| 2010 | Board Certification, Infectious Diseases (LÄK Hessen) |
| 2002 - 2013 | Internship and Residency, Department of Internal Medicine II, Pulmonary and Critical Care Medicine and Infectious Diseases, University Hospital of Giessen |

Academic Degrees

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| 2013 | Habilitation: „Das mononukleäre Phagozytensystem der Lunge in der Wirtsabwehr und Gewebereparatur bei Pneumonie“ |
| 2008 | PhD: „Macrophage-epithelial interactions during influenza virus pneumonia: Alveolar recruitment pathways and impact on epithelial barrier integrity“; summa cum laude |
| 2003 | Dr. med.: „Transendo-/epitheliale Rekrutierung von Monozyten in die Lunge: Phänotypische und funktionelle Charakterisierung“; magna cum laude |

University Education

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| 2004 - 2007 | PhD Program of the Faculties of Human and Veterinary Medicine of the University of Giessen |
| 2003 - 2006 | International Graduate Program „Molecular Biology and Medicine of the Lung“ (MBML) as part of the Giessen Graduate School of the Life Sciences (GGL) |
| 1995 - 2002 | Medical School, Justus Liebig University of Giessen |

Other

- Scientific Advisory Board, Robert Koch Institute, Berlin
- Member, `Fachkollegium Medizin`, DFG
- Board of Directors, European Scientific Working Group on Influenza (ESWI)
- Steering Committee, Collaborative Research Center SFB TR84
- Steering Committee/Vice President, German Society for Infectious Diseases (DGI)
- Deputy Editor, American Journal of Respiratory Cell and Molecular Biology
- Editorial Board Member, American Journal of Respiratory and Critical Care Medicine
- Scientific Program Coordinator 2014-2016, ERS Lung Science Conference
- Steering Committee, Universities Giessen and Marburg Lung Center (UGMLC)
- Steering Committee, Collaborative Research Center SFB1021
- Editorial Board Member, American Journal of Physiology (Lung Cellular and Molecular Physiology)
- Junior area leader (Area F - Barrier integrity during inflammation and repair) of the „Excellence Cluster Cardio-Pulmonary System“

- Faculty Member of the German Center for Lung Research (DZL) und the German Center for Infection Research (DZIF)
- Coordinator DZL Area Pneumonia and ARDS

Reviewing Panel:

German Research Foundation, Cell Host and Microbe, Cell Reports, American Journal of Respiratory Cell and Molecular Biology, American Journal of Respiratory and Critical Care Medicine, European Respiratory Journal, PLoS Pathogens, Nature Microbiology, Journal of Clinical Investigation

Awards and honors

- 2010 Förderpreis `Klinische Infektionsforschung` of the German Society for Infectious Diseases (DGI)
- 2008 Best Poster Presentation Award of the 6th ERS Lung Science Conference on Lung Injury, Repair and Remodelling
- 2006 Young Investigator´s Award of the German Society of Internal Medicine (DGIM)

Important publications

El Agha E, Moiseenko A, Kheirollahi V, De Langhe S, Crnkovic S, Kwapiszewska G, Kosanovic D, Schwind F, Schermuly RT, Henneke I, MacKenzie B, Quantius J, **Herold S**, Ntokou A, Ahlbrecht K, Morty RE, Gunther A, Seeger W, Bellusci S. Two-Way Conversion between Lipogenic and Myogenic Fibroblastic Phenotypes Marks the Progression and Resolution of Lung Fibrosis. *Cell Stem Cell* 20(2):261-73 e3, 2017

Quantius J, Schmoltdt C, Vazquez-Armendariz AI, Becker C, El Agha E, Wilhelm J, Morty RE, Vadasz I, Mayer K, Gattenloehner S, Fink L, Matrosovich M, Li XK, Seeger W, Lohmeyer J, Bellusci S, **Herold S**. Influenza Virus Infects Epithelial Stem/Progenitor Cells of the Distal Lung: Impact on Fgfr2b-Driven Epithelial Repair. *PLoS Pathog* 12(6):e1005544, 2016

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

Schmall A, Al-Tamari HM, **Herold S**, Kampschulte M, Weigert A, Wietelmann A, Vipotnik N, Grimminger F, Seeger W, Pullamsetti SS, Savai R. Macrophage and Cancer Cell Cross-talk via CCR2 and CX3CR1 Is a Fundamental Mechanism Driving Lung Cancer. *Am J Respir Crit Care Med* 191(4):437-47, 2015

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* 189(5):609-11, 2014

Hogner K, Wolff T, Pleschka S, Plog S, Gruber AD, Kalinke U, Walmrath HD, Bodner J, Gattenloehner S, Lewe-Schlosser P, Matrosovich M, Seeger W, Lohmeyer J, **Herold S**. Macrophage-expressed IFN-beta contributes to apoptotic alveolar epithelial cell injury in severe influenza virus pneumonia. *PLoS Pathog* 9(2):e1003188, 2013

Unkel B, Hoegner K, Clausen BE, Lewe-Schlosser P, Bodner J, Gattenloehner S, Janssen H, Seeger W, Lohmeyer J, Herold S. Alveolar epithelial cells orchestrate DC function in murine viral pneumonia. *J Clin Invest* 122(10):3652-64, 2012

Herold S, Tabar TS, Janssen H, Hoegner K, Cabanski M, Lewe-Schlosser P, Albrecht J, Driever F, Vadasz I, Seeger W, Steinmueller M, Lohmeyer J. Exudate macrophages attenuate lung injury by the release of IL-1 receptor antagonist in gram-negative pneumonia. *Am J Respir Crit Care Med* 183(10):1380-90, 2011

Cakarova L, Marsh LM, Wilhelm J, Mayer K, Grimminger F, Seeger W, Lohmeyer J, **Herold S**. Macrophage tumor necrosis factor-alpha induces epithelial expression of granulocyte-macrophage colony-stimulating factor: impact on alveolar epithelial repair. *Am J Respir Crit Care Med* 180(6):521-32, 2009

Herold S, Steinmueller M, von Wulffen W, Cakarova L, Pinto R, Pleschka S, Mack M, Kuziel WA,

Corazza N, Brunner T, Seeger W, Lohmeyer J. Lung epithelial apoptosis in influenza virus pneumonia: the role of macrophage-expressed TNF-related apoptosis-inducing ligand. **J Exp Med** 205(13):3065-77, 2008