

Most Important Publications

1. Heinzemann, K., Hu, Q.J., Dobrinskikh, E., Ulke, H., Ansari, M., Leavitt, C., Mirta, C., Trudeau., T., Saal, M., Rice, P., Gao, B., Janssen, W., Yang, I., Schiller, H., Vladar, E., **Lehmann, M***, Königshoff, M.,*, Single cell RNA Sequencing Identifies G-protein Coupled Receptor 87 as a Novel Basal Cell Marker of Distal Honeycomb Cysts in Idiopathic Pulmonary Fibrosis, **European Respiratory Journal**, *equal contribution, co-corresponding authors, 2022: 59(6). [10.1183/13993003.02373-2021](https://doi.org/10.1183/13993003.02373-2021)
2. Strunz, M., Simon, L.M., Ansari, M., Mattner, L.F., Angelidis, I., Mayr, C.H., Kathiriya, J., Yee, M., Ogar, P., Sengupta, A., Kukhtevich, I., Schneider, R., Zhao, Z., Neumann, J.H.L., Behr, J., Voss, C., Stöger, T., **Lehmann, M.**, Königshoff, M., Burgstaller, G., O'Reilly, M., Chapman, H.A., Theis, F.J., Schiller, H.B. (2020) Alveolar regeneration through a Krt8+ transitional stem cell state that persists in human lung fibrosis, **Nature Communications**, 11 (1), 3559. [10.1038/s41467-020-17358-3](https://doi.org/10.1038/s41467-020-17358-3)
3. Strunz, M., Simon, L.M., Ansari, M., Mattner, L.F., Angelidis, I., Mayr, C.H., Kathiriya, J., Yee, M., Ogar, P., Sengupta, A., Kukhtevich, I., Schneider, R., Zhao, Z., Neumann, J.H.L., Behr, J., Voss, C., Stöger, T., **Lehmann, M.**, Königshoff, M., Burgstaller, G., O'Reilly, M., Chapman, H.A., Theis, F.J., Schiller, H.B. (2020) Alveolar regeneration through a Krt8+ transitional stem cell state that persists in human lung fibrosis, **Nature Communications**, 11 (1), 3559. [10.1038/s41467-020-17358-3](https://doi.org/10.1038/s41467-020-17358-3)
4. Conlon, T.M.* , John-Schuster*, G , Heide, D., Pfister, D., **Lehmann, M.**, Hu, Y., Ertüz Z., Lopez, M., Ansari, M., Strunz, M., Mayr, C., Ciminieri, C., Costa, R., Kohlhepp, M.S., Guillot, A., Günzel, G., Jeridi, A., Funk, M.C., Beroshvili, G., Prokosch, S., Hetzer, J., Verleden, S.E., Alsafadi, H., Lindner, M., Burgstaller, Lore Becker, G., Irmeler, M., Dudek, M., Janzen, J., Goffin, E., Gosens, R., Knolle, P., Pirotte, B., Stöger, T., Beckers, J., Wagner, D.E., Singh, I., Theis, F.J., Hrabe de Angelis, M., O'Connor, T., Tacke, F., Boutros, M., Dejardin, E., Eickelberg, O., Schiller, H., Königshoff, M., Heikenwalder, M., Yildirim, AÖ. Inhibition of LTβR-signalling blocks epithelial apoptosis and activates endogenous Wnt-induced regeneration. (2020) **Nature**; 588(7836):151-156. *these authors contributed equally. [10.1038/s41586-020-2882-8](https://doi.org/10.1038/s41586-020-2882-8)
5. Meiners, S. and **Lehmann, M.** (2020). Senescent cells in IPF: Locked in repair?, **Frontiers in Medicine**, 7, 1002. [10.3389/fmed.2020.606330](https://doi.org/10.3389/fmed.2020.606330)
6. Melo-Narvaez, C., Stegmayr, J., Wagner, D., **Lehmann, M.** (2020). Lung Regeneration: The effect of the diseases niche and ageing, **European Respiratory Review**, 29, 157. [10.1183/16000617.0222-2020](https://doi.org/10.1183/16000617.0222-2020)
7. **Lehmann, M***, Hu, Q., Hafner, K., Costa, R., van den Berg, A., Königshoff, M*, (2020) WNT/β-catenin signaling induces cellular senescence in lung alveolar epithelial cells, **Cellular Signaling**, 70. 109588, *co-corresponding author. [10.1016/j.cellsig.2020.109588](https://doi.org/10.1016/j.cellsig.2020.109588)
8. **Lehmann M**, Buhl L, Alsafadi HN, Klee S, Hermann S, Mutze K, Ota C, Lindner M, Behr J, Hilgendorff A, Wagner DE, Königshoff M. (2018) Differential effects of Nintedanib and Pirfenidone on lung alveolar epithelial cell function in ex vivo murine and human lung tissue cultures of pulmonary fibrosis. **Respiratory Research** 19:175. [10.1186/s12931-018-0876-y](https://doi.org/10.1186/s12931-018-0876-y)
9. Martin-Medina, A., **Lehmann, M.**, Burgy, O., Hermann, S., Baarsma, H.A., Wagner, D.E., De Santis, M., Ciolek, F., Hofer, T.P., Frankenberger, M., Aichler, M., Lindner, M., Gesierich, W., Guentehr, A., Walch, A., Wolters, P., Lee, J.S., Behr, J., Königshoff, M. (2018). Increased extracellular vesicles mediate WNT-5A signaling in idiopathic pulmonary fibrosis. **American journal of Respiratory and Critical Care Medicine**. 198. 1527-1538. [10.1164/rccm.201708-1580OC](https://doi.org/10.1164/rccm.201708-1580OC)
10. **Lehmann, M.**, Korfei, M., Mutze, K., Klee, S., Skronska-Wasek, W., Alsafadi, H.N., Ota, C., Costa, R., Schiller, H.B., Lindner, M., Wagner, D.E.; Günther, A., Königshoff, M. (2017). Senolytic drugs target alveolar epithelial cell function and attenuate experimental lung fibrosis ex vivo. **The European Respiratory Journal** 50. 1602367. [10.1183/13993003.02367-2016](https://doi.org/10.1183/13993003.02367-2016)