

Curriculum Vitae

Danny Jonigk Professor, Dr. med.
d.o.b. January 05th, 1977, in Dortmund, Germany

University Education

2012/2013 Habilitation / Venia legendi for pathological anatomy at
Hannover Medical School, Germany
2005 Doctorate Medicine, Institute of Pathology, Hannover Medical School, Germany
1998-2005 Studies of Human Medicine at the Hannover Medical School, Hannover, Germany

Scientific Career

2022 Appointment for full professorship and head of the Institute of Pathology at RWTH
Aachen University / UKA
Since 2020 Member of the national steering committee of “Defeat Pandemics”, Germany’s
national pathology response network to COVID-19
Since 2019 Deputy commissioner for international academic affairs and the German academic
exchange program
2019 Member of the national medical guideline committee for interstitial lung diseases
2018 Appointment for full professorship at Hannover Medical School (“lung and thorax
pathology”)
2017 Fellow with the Royal College of Pathologists (UK)
Since 2017 Senior managing physician at the Institute of Pathology, MHH
2017 Appointment as associated Professor (MHH)
Since 2016 Member of the PhD Examination Committee Hannover Biomedical Research
School (HBRS)
Since 2015 Member of the PhD Examination Committee 1.1 „Anatomy“
Since 2013 Setup of the “Central Pathology Platform“ within the German Center for Lung
Research (DZL)
Since 2013 Doctor at the Health Care Outpatient Centre; Hanover (Ambulantes
Versorgungszentrum Hannover GmbH - MVZ)
Since 2013 Senior physician at the Institute of Pathology, MHH
2013 Board certification as specialist for Pathology
Since 2012 Principal Investigator within the German Center for Lung Research (DZL)
Since 2008 Head of the Lung Research working group at the Institute of Pathology, MHH

Awards

2022 Finalist at the “Falling Walls Science Breakthroughs of the Year 2022”
2021 Commendation by the Royal College of Pathologists on Contribution to Specialty
2018 Teaching award MHH
2017 Lectureship award of the Thorax Pathology working group of the German society
of Pathology
2013 Abstract Scholarship of the American Thoracic Society (ATS)
2011 CVDI Distinguished Lectureship Award, Georgia Health Sciences University
2007 Selected to participate in the 59th Lindau „Nobel Laureate Meeting”
2007 „Poster of distinction” Award, World Transplant Congress
2006 Doctoral Prize, MHH

Top-10 selected Publications

Reichardt M, Moller Jensen P, Andersen Dahl V, Bjorholm Dahl A, Ackermann M, Shah H, Länger F, Werlein C, Kuehnel MP, **Jonigk D***, Salditt T*. 3D virtual Histopathology of Cardiac Tissue from Covid-19 Patients based on Phase-Contrast X-ray Tomography. *Elife*. 2021 Dec 21;10:e71359. doi: 10.7554/eLife.71359. *shared last author

Walsh C, Tafforeau P, Wagner WL, Jafree DJ, Bellier A, Werlein C, Kühnel MP, Boller E, Walker-Samuel S, Robertus JL, Long DA, Jacob J, Marussi S, Brown E, Holroyd N, **Jonigk D***, Ackermann M*, Lee PD*. Imaging intact human organs with local resolution of cellular structures using hierarchical phase-contrast tomography. *Nat Methods*. 2021 Nov 4. doi: 10.1038/s41592-021-01317-x. *Joint corresponding authors

Ackermann M, Tafforeau P, Wagner W, Walsh C, Werlein C, Kühnel M, Länger F, Disney C, Bodey A, Verleden S, Lee P, Mentzer S, **Jonigk D**. The bronchial circulation in COVID-19 pneumonia. *Am J Respir Crit Care Med*. 2021 Nov 4. doi: 10.1164/rccm.202103-0594IM.

Ackermann M, Verleden SE, Kuehnel M, Haverich A, Welte T, Laenger F, Vanstapel A, Werlein C, Stark H, Tzankov A, Li WW, Li VW, Mentzer SJ, **Jonigk D**. Pulmonary Vascular Endothelialitis, Thrombosis and Angiogenesis in COVID-19. *N Engl J Med*. 2020 Jul 9;383(2):120-128. doi: 10.1056/NEJMoa2015432.

Ackermann M, Stark H, Neubert L, Schubert S, Borchert P, Linz F, Wagner W, Stiller W, Wielpütz M, Hoefler A, Haverich A, Mentzer S, Shah H, Welte T, Kuehnel M, **Jonigk D**. Morphomolecular motifs of pulmonary neoangiogenesis in interstitial lung diseases. *Eur Respir J*. 2020;55(3):1900933. doi: 10.1183/13993003.00933-2019.

Jonigk D, Stark H, Braubach P, Neubert Lavinia, Shin HO, Izykowski N, Welte Tobias, Janciauskiene S, Warnecke G, Haverich A, Kuehnel M, Laenger F. Morphological and molecular motifs of fibrosing pulmonary injury patterns. *J Pathol Clin Res*. 2019;5(4):256-271. doi: 10.1002/cjp2.141.

Ackermann M, Gaumann A, Mentzer SJ, Hinrichs JB, Warnecke G, Hoepfer MM, Braubach P, Kuehnel M, Mägel L, **Jonigk D**. Plexiform vasculopathy in chronic thromboembolic pulmonary hypertension. *Am J Respir Crit Care Med*. 2017 Oct 15;196(8):e48-e51. doi: 10.1164/rccm.201703-0591IM.

Jonigk D, Rath B, Borchert P, Braubach P, Maegel L, Izykowski N, Warnecke G, Sommer W, Kreipe H, Blach R, Anklam A, Haverich A, Eder M, Stadler M, Welte T, Gottlieb J, Kuehnel M, Laenger F. Comparative Analysis of Morphological and Molecular Motifs in Bronchiolitis Obliterans and Alveolar Fibroelastosis after Lung and Stem Cell Transplantation. *J Pathol Clin Res* 2016;3(1): 17-28. doi: 10.1002/cjp2.60.

Kellner M, Wehling J, Warnecke G, Heidrich M, Izykowski N, Vogel-Claussen J, Lorbeer RA, Antonopoulos G, Janciauskiene S, Grothausmann R, Knudsen L, Ripken T, Meyer H, Kreipe H, Ochs M, **Jonigk D***, Kühnel MP*. Correlating 3D morphology with molecular pathology: fibrotic remodelling in human lung biopsies. *Thorax* 2015;70(12): 1197-8. doi: 10.1136/thoraxjnl-2015-207131. *shared last author

Jonigk D, Al-Omari M, Maegel L, Müller M, Izykowski N, Hong J, Hong K, Kim SH, Dorsch M, Mahadeva R, Laenger F, Kreipe H, Braun A, Shahaf G, Lewis EC, Welte T, Dinarello CA, Janciauskiene S. Anti-inflammatory and immunomodulatory properties of α 1-antitrypsin without inhibition of elastase. *Proc Natl Acad Sci USA* 2013;110(37):15007-12. doi: 10.1073/pnas.1309648110.