

Curriculum Vitae

Bernhard Zwissler Professor, Dr. med.
d.o.b. April 04th, 1960

University Education

1985 Doctorate in Medicine (Dr. med.)
1984 State examination and Approbation as a physician
1978-1984 Studies of Medicine at LMU Munich

Scientific Career

2007 - Director, Dept. of Anesthesiology, LMU Munich
2015-2018 Director (prov.), Dept. of Transfusion Medicine, LMU Munich
2011-2013 Director (prov.), Institute of Emergency Medicine & Medical Management, LMU
2003-2007 Director, Dept. of Anesthesiology, Intensive Care Medicine and Pain Therapy, Goethe-
 University, Frankfurt
1997 Full Professor of Anaesthesiology; Dept. of Anesthesiology, LMU Munich
1994-1996 Board certification in 'Intensive Care Medicine', 'Anesthesiology' and 'Emergency
 Medicine'
1992 Habilitation (PhD)
1987-1990 Research projects at the Dept. of Experimental Surgery, University of Heidelberg
1986-1996 Residency in Anesthesiology; Dept. of Anesthesiology, LMU Munich
1985-1986 Military Service (as a physician)

Positions in medical societies/ Awards and Honors

2020 General Secretary, German Society of Anesthesiology and Intensive Care Medicine
 (DGAI)
2019 Past President, DGAI
2017-2018 President, DGAI
2016 Vice President, DGAI
2011-2016 Member, Scientific Board, German Research Community (DFG)
2005 - Editor; Textbook of Anesthesiology, Springer Verlag, Heidelberg
2005 - Member, Naturforscher Leopoldina / German National Academy of Science'
2008 - Member, Board of Trustees, Goethe-University, Frankfurt
2008 - Editor in Chief, Journal „Der Anaesthesist“
2005 Preis für exzellente Lehre, Goethe-Universität Frankfurt
2002 Visiting Professor an der Harvard Medical School, Boston, USA
1993 Karl-Thomas-Preis der Deutschen Gesellschaft für Anästhesiologie und
 Intensivmedizin (DGAI)

Top-10 selected Publications

Nicolai L, Leunig A, Brambs S, Kaiser R, Weinberger T, Weigand M, Muenchhoff M, Hellmuth JC, Ledderose S, Schulz H, Scherer C, Rudelius M, Zoller M, Höchter D, Keppler O, Teupser D, **Zwißler B**, von Bergwelt-Baildon M, Käab S, Massberg S, Pekayvaz K, Stark K. Immunothrombotic Dysregulation in COVID-19 Pneumonia Is Associated With Respiratory Failure and Coagulopathy. *Circulation*. 2020 Sep 22;142(12):1176-1189.

Nicolai L, Leunig A, Brambs S, Kaiser R, Joppich M, Hoffknecht ML, Gold C, Engel A, Polewka V, Muenchhoff M, Hellmuth JC, Ruhle A, Ledderose S, Weinberger T, Schulz H, Scherer C, Rudelius M, Zoller M, Keppler OT, **Zwissler B**, von Bergwelt-Baildon M, Käab S, Zimmer R, Bülow RD, von Stillfried S, Boor P, Massberg S, Pekayvaz K, Stark K. J Vascular neutrophilic inflammation and immunothrombosis distinguish severe COVID-19 from influenza pneumonia. *Thromb Haemost*. 2021 Feb;19(2):574-581.

Wratil PR, Schmacke NA, Karakoc B, Dulovic A, Junker D, Becker M, Rothbauer U, Osterman A, Spaeth PM, Ruhle A, Gapp M, Schneider S, Muenchhoff M, Hellmuth JC, Scherer C, Mayerle J, Reincke M, Behr J, Käab S, **Zwissler B**, von Bergwelt-Baildon M, Eberle J, Kaderali L, Schneiderhan-Marra N, Hornung V, Keppler OT. Evidence for increased SARS-CoV-2 susceptibility and COVID-19 severity related to pre-existing immunity to seasonal coronaviruses. *Cell Rep*. 2021 Dec 28;37(13):110169.

Schroeder I, Scharf C, Zoller M, Wassilowsky D, Frank S, Stecher SS, Stemmler J, Kneidinger N, Peterß S, **Zwißler B**, Irlbeck M. Characteristics and outcome of 70 ventilated COVID-19 patients : Summary after the first wave at a university center. *Anaesthesist*. 2021 Jul;70(7):573-581.

Hoechter DJ, Becker-Pennrich A, Langrehr J, Bruegel M, **Zwissler B**, Schaefer S, Spannagl M, Hinske LC, Zoller M. Higher procoagulatory potential but lower DIC score in COVID-19 ARDS patients compared to non-COVID-19 ARDS patients. *Thromb Res*. 2020 Dec;196:186-192

Winterhalter M, Rex S, Stoppe C, Kienbaum P, Müller HH, Kaufmann I, Kuppe H, Dongas A, **Zwissler B**; ILOCARD Investigators. Effect of iloprost inhalation on postoperative outcome in high-risk cardiac surgical patients: a prospective randomized-controlled multicentre trial (ILOCARD). *Can J Anaesth*. 2019 Aug;66(8):907-920.

Boost KA, Hoegl S, Hofstetter C, Flondor M, Stegwerth K, Platacis I, Pfeilschifter J, Muhl H, **Zwissler B**. Targeting caspase-1 by inhalation-therapy: effects of Ac-YVAD-CHO on IL-1 beta, IL-18 and downstream proinflammatory parameters as detected in rat endotoxaemia. *Intensive Care Med*. 2007 May;33(5):863-871

Hofstetter C, Flondor M, Hoegl S, Muhl H, **Zwissler B**. Interleukin-10 aerosol reduces proinflammatory mediators in bronchoalveolar fluid of endotoxemic rat. *Crit Care Med*. 2005 Oct;33(10):2317-2322.

Zwissler B, Kemming G, Habler O, Kleen M, Merkel M, Haller M, Briegel J, Welte M, Peter K. Inhaled prostacyclin (PGI₂) versus inhaled nitric oxide in adult respiratory distress syndrome. *Am J Respir Crit Care Med*. 1996 Dec;154(6 Pt 1):1671-1677.

Zwissler B, Welte M, Habler O, Kleen M, Messmer K. J. Effects of inhaled prostacyclin as compared with inhaled nitric oxide in a canine model of pulmonary microembolism and oleic acid edema. *Cardiothorac Vasc Anesth*. 1995 Dec;9(6):634-640