

## *Curriculum Vitae*

**Robert Bals** Professor, Dr. Dr.  
d.o.b. August 02th, 1968, in München, Germany

### **University Education**

2003 Habilitation Internal Medicine  
1987-1994 Study of Medicine, Ludwig-Maximilians-Universität, Munich, Germany, Supported by  
Studienstiftung des Deutschen Volkes  
1991-1995 Study of Biology, Ludwig-Maximilians-Universität, Munich, Germany

### **Scientific Career**

2015-2018 European Respiratory Monograph, ERS publications, Editor in Chief, 2015-2018  
2010-2013 Research director of the European Respiratory Society (2010-2013)  
Since 2010 Director of the Department of Pulmonology, Saarland University Medical Center,  
Homburg, Germany  
2009 Board Certification Sleep Medicine  
2008 Board Certification Allergology  
2007 Appointment as Professor (APL.), Marburg University  
2006 Board Certification Intensive Care Medicine  
2005 Board Certification Infectious Disease (DGI)  
2005-2006 Health Care Management, University of Marburg, Germany  
2004 Board Certification Respiratory Medicine  
2003 Habilitation Internal Medicine, Appointment as Privatdozenten  
2003 Board Certification Internal Medicine, Philipps-Universität Marburg, Department for  
Internal Medicine, Division of Pulmonology, Philipps-Universität Marburg, Marburg;  
Germany  
1999-2001 Resident, Ludwig-Maximilians-Universität, Medizinische Klinik und Poliklinik I,  
Munich, Germany  
1996-1999 Postdoctoral researcher, University of Pennsylvania, Institute for Human Gene  
Therapy, Philadelphia, USA  
1994-1996 Resident, Ludwig-Maximilians-Universität, Anatomische Anstalt, Munich, Germany  
1994-1996 Scientists, Ludwig-Maximilians-Universität, Zoologisches Institut, Munich, Germany  
2001-2003 Resident, Ludwig-Maximilians-Universität, Medizinische Klinik, Klinikum Innenstadt  
1987-1994 Study of Medicine, Ludwig-Maximilians-Universität, Munich, Germany, Supported by  
Studienstiftung des Deutschen Volkes  
1991-1995 Study of Biology, Ludwig-Maximilians-Universität, Munich, Germany

### **Awards and Honors**

2004 Alpha-1-Antitrypsin Laurell's Training Award (ALTA)  
2000 Paul-Martini-Preis  
1999 Posterpreis des Research-Fetivals, Klinikum Großhadern  
1999 Adolf-Windorfer-Preis des Mukoviszidose e.V.  
1996-1998 Postdoctoral fellowship der Deutsche Forschungsgemeinschaft  
1990-1994 Studienstiftung des Deutschen Volkes

### **Citation Record**

*Total citations: 26.485; h-index:69; h-index since 2017: 48 (Google Scholar July 25<sup>th</sup>, 2022)*

## Top-10 selected Publications

Zewinger S, Reiser J, Jankowski V, Alansary D, Hahm E, Triem S, Klug M, Schunk SJ, Schmit D, Kramann R, Korbel C, Ampofo E, Laschke MW, Selejan SR, Paschen A, Herter T, Schuster S, Silbernagel G, Sester M, Sester U, Assmann G, **Bals R**, Kostner G, Jahnen-Dechent W, Menger MD, Rohrer L, Marz W, Bohm M, Jankowski J, Kopf M, Latz E, Niemeyer BA, Fliser D, Laufs U, Speer T. Apolipoprotein C3 induces inflammation and organ damage by alternative inflammasome activation. *Nat Immunol.*;21(1):30-41 (2020)

Trudzinski FC, Jorres RA, Alter P, Kahnert K, Waschki B, Herr C, Kellerer C, Omlor A, Vogelmeier CF, Fahndrich S, Watz H, Welte T, Jany B, Sohler S, Biertz F, Herth F, Kauczor HU, **Bals R**, consortium C. Associations of oxygenated hemoglobin with disease burden and prognosis in stable COPD: Results from COSYCONET. *Sci Rep.*;10(1):10544 (2020).

Herr C, Tsitouras K, Niederstrasser J, Backes C, Beisswenger C, Dong L, Guillot L, Keller A, **Bals R**. Cigarette smoke and electronic cigarettes differentially activate bronchial epithelial cells. *Respir Res.*;21(1):67, (2020)

Ritzmann F, Jungnickel C, Vella G, Kamyschnikow A, Herr C, Li D, Menger MM, Angenendt A, Hoth M, Lis A, **Bals R**, Beisswenger C. IL-17C-mediated innate inflammation decreases the response to PD-1 blockade in a model of Kras-driven lung cancer. *Sci Rep.*;9(1):10353 (2019).

Becker A, Vella G, Galata V, Rentz K, Beisswenger C, Herr C, Walter J, Tierling S, Slevogt H, Keller A, **Bals R**. The composition of the pulmonary microbiota in sarcoidosis - an observational study. *Respir Res.*;20(1):46 (2019).

Polke M, Seiler F, Lepper PM, Kamyschnikow A, Langer F, Monz D, Herr C, **Bals R**, Beisswenger C. Hypoxia and the hypoxia-regulated transcription factor HIF-1alpha suppress the host defence of airway epithelial cells. *Innate immunity.*;23(4):373-80 (2017).

Jungnickel C, Schmidt LH, Bittigkoffer L, Wolf L, Wolf A, Ritzmann F, Kamyschnikow A, Herr C, Menger MD, Spieker T, Wiewrodt R, **Bals R**, Beisswenger C. IL-17C mediates the recruitment of tumor-associated neutrophils and lung tumor growth. *Oncogene.*;36(29):4182-90, (2017).

Fahndrich S, Biertz F, Karch A, Kleibrink B, Koch A, Teschler H, Welte T, Kauczor HU, Janciauskiene S, Jorres RA, Greulich T, Vogelmeier CF, **Bals R**, investigators C. Cardiovascular risk in patients with alpha-1-antitrypsin deficiency. *Respir Res.*;18(1):171 (2017).

Wonnenberg B, Jungnickel C, Honecker A, Wolf L, Voss M, Bischoff M, Tschernig T, Herr C, **Bals R**, Beisswenger C. IL-17A attracts inflammatory cells in murine lung infection with *P. aeruginosa*. *Innate immunity.*;22(8):620-5 (2016).

Li D, Sun J, Liu W, Wang X, **Bals R**, Wu J, Quan W, Yao Y, Zhang Y, Zhou H, Wu K. Rig-G is a growth inhibitory factor of lung cancer cells that suppresses STAT3 and NF-kappaB. *Oncotarget.*;5(40):66032-50 (2016).