

## *Curriculum Vitae*

**Sabina Janciauskiene Wallmark** Professor, Dr Pharm. PhD, PhD

### **University Education**

- 2011 Aug-Oct Distance course at Uppsala University, Sweden, pharmaceutical bioinformatics, 7.5 ECTS credits, with grade pass with “Distinction”,
- 1996 Dissertation at the Medical Faculty Lund University, Sweden; PhD in experimental medicine,
- 1989 Dissertation at the Fermentas (Biotech Company), Lithuania; PhD in biology/immunology,
- 1980–1985 Studies at the Faculty of Pharmacy, Kaunas Medical University, Lithuania

### **Scientific Career**

- Since 2017 Wissenschaftlicher Beirat (scientific advisor) Alpha1 German patient association,
- Since 2017 Member of The European Alpha-1 Research Collaboration (EARCO) network
- Since 2017 Affiliated Professor at the Department of Respiratory Medicine in LUMC, Leiden, The Netherlands
- Since 2017 Member of the German Respiratory Society
- Since 2015 Affiliated Professor at National Research Institute of Tuberculosis and Lung Diseases, Warsaw, Poland
- Since 2009 Professor at the Department of Respiratory Medicine, Hannover Medical School, Hannover, Germany (Molecular Pneumologie Research Unit Head)
- 2003-2009 Head of Research Group, Department of Clinical Sciences, Lund University, Sweden.
- Since 2006 Member of European Respiratory Society
- 2001 Appointed Associate Professor in Experimental Medicine (Docent), Lund University, Sweden
- 1999-2003 Research assistant appointed by the Swedish Medical Research Council
- 1997-1998 Postdoctoral Fellow, Department of Medicine, Lund University, Sweden
- 1992-1996 Scientist, Department of Medicine, Lund University, Sweden
- 1989-1992 Senior Lecturer, Department of Medicine, Kaunas Medical University, Lithuania
- 1987-1989 Research assistant, Kaunas Medical University, Lithuania
- 1991–1996 Head, Clinical Research Group “Respiratory Failure”, JLU
- 1987–1991 Assistant Professor of Medicine, Department of Medicine, JLU
- 1982–1987 Internship and Residency, Department of Medicine, JLU
- 1979–1982 Postdoctoral Fellow, Department of Pathological Biochemistry, JLU

### **Awards and Honors**

- 2014 Förderpreis Pneumologie, sponsored by Almirall Hermal GmbH for the contribution to COPD and asthma fields.
- 2011-2013 Introducing standards of the best medical practice for the patients with inherited Alpha-1 Antitrypsin Deficiency in Central Eastern Europe, Literatursuche im Bundesinstitut für Berufsbildung (BIBB)
- 2007-2009 Konung Gustaf V & Drottning Victoria Award for dementia research, Sweden
- 2005 International ALTA Award for new insights in Alpha1-Antitrypsin deficiency field
- 1996- Wallenberg price for the best researcher of the year, Department of Medicine, Lund University, Sweden
- 1997 Teggers Price, Sweden

### **Citation Record**

*Total citations: 11150; h-index: 61; h-index since 2017: 48 (Google Scholar July 20<sup>th</sup>, 2022)*

## Top-10 selected Publications

Pradhan P, Vijayan V, Liu B, Martinez-Delgado B, Matamala N, Nikolin C, Greite R, DeLuca DS, **Janciauskiene S**, Motterlini R, Foresti R, Immenschuh S. Distinct metabolic responses to heme in inflammatory human and mouse macrophages - Role of nitric oxide. *Redox Biol.* 2024 Jul;73:103191. doi: [10.1016/j.redox.2024.103191](https://doi.org/10.1016/j.redox.2024.103191).

**Janciauskiene S**, Lechowicz U, Pelc M, Olejnicka B, Chorostowska-Wynimko J. Diagnostic and therapeutic value of human serpin family proteins. *Biomed Pharmacother.* 2024 Jun;175:116618. doi: [10.1016/j.biopha.2024.116618](https://doi.org/10.1016/j.biopha.2024.116618).

Zemtsovski JD, Tumpara S, Schmidt S, Vijayan V, Klos A, Laudeley R, Held J, Immenschuh S, Wurm FM, Welte T, Haller H, **Janciauskiene S**, Shushakova N. Alpha1-antitrypsin improves survival in murine abdominal sepsis model by decreasing inflammation and sequestration of free heme. *Front Immunol.* 2024 Mar 18;15:1368040. doi: [10.3389/fimmu.2024.1368040](https://doi.org/10.3389/fimmu.2024.1368040).

Börner FR, Lechowicz U, Wrenger S, Martinez-Delgado B, Olejnicka B, Welte T, Chorostowska-Wynimko J, Kiehntopf M, **Janciauskiene S**. Plasma levels of  $\alpha$ 1-antitrypsin-derived C-terminal peptides in PiMM and PiZZ COPD patients. *ERJ Open Res.* 2023 Dec 4;9(6):00329-2023. doi: [10.1183/23120541.00329-2023](https://doi.org/10.1183/23120541.00329-2023).

Sivaraman K, Wrenger S, Liu B, Schaudien D, Hesse C, Gomez-Mariano G, Perez-Luz S, Sewald K, DeLuca D, Wurm MJ, Pino P, Welte T, Martinez-Delgado B, **Janciauskiene S**. Mice inflammatory responses to inhaled aerosolized LPS: effects of various forms of human alpha1-antitrypsin. *J Leukoc Biol.* 2023 Jan 10;113(1):58-70. doi: [10.1093/jleuko/qiac004](https://doi.org/10.1093/jleuko/qiac004).

Ostermann L, Maus R, Stolper J, Schütte L, Katsarou K, Tumpara S, Pich A, Mueller C, **Janciauskiene S**, Welte T, Maus UA. Alpha-1 antitrypsin deficiency impairs lung antibacterial immunity in mice. *JCI Insight.* 2021 Feb 8;6(3):e140816. doi: [10.1172/jci.insight.140816](https://doi.org/10.1172/jci.insight.140816).

Gómez-Mariano G, Matamala N, Martínez S, Justo I, Marcacuzco A, Jimenez C, Monzón S, Cuesta I, Garfia C, Martínez MT, Huch M, Pérez de Castro I, Posada M, **Janciauskiene S**, Martínez-Delgado B. Liver organoids reproduce alpha-1 antitrypsin deficiency-related liver disease. *Hepatol Int.* 2020 Jan;14(1):127-137. doi: [10.1007/s12072-019-10007-y](https://doi.org/10.1007/s12072-019-10007-y).

Marcondes AM, Karoopongse E, Lesnikova M, Margineantu D, Welte T, Dinarello CA, Hockenbery D, **Janciauskiene S**, Deeg HJ.  $\alpha$ -1-Antitrypsin (AAT)-modified donor cells suppress GVHD but enhance the GVL effect: a role for mitochondrial bioenergetics. *Blood.* 2014 Oct 30;124(18):2881-91. doi: [10.1182/blood-2014-04-570440](https://doi.org/10.1182/blood-2014-04-570440)

Jedicke N, Struever N, Aggrawal N, Welte T, Manns MP, Malek NP, Zender L, **Janciauskiene S**, Wuestefeld T.  $\alpha$ -1-antitrypsin inhibits acute liver failure in mice. *Hepatology.* 2014 Jun;59(6):2299-308. doi: [10.1002/hep.27024](https://doi.org/10.1002/hep.27024).

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  $\alpha$ 1-antitrypsin without inhibition of elastase. *Proc Natl Acad Sci U S A.* 2013 Sep 10;110(37):15007-12. doi: [10.1073/pnas.1309648110](https://doi.org/10.1073/pnas.1309648110).