

## *Curriculum Vitae*

**Katarzyna A. Duda** Dr. rer. nat.  
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### **University Education**

2007            Doctorate, University of Silesia, Polen / Research Center Borstel, Leibniz Lung Center, Germany  
2002            Studies Socrates/Erasmus Programm, Agriculture University of Athens, Greece  
1998–2003     Studies of Biology, University of Silesia, Polen

### **Scientific Career**

Since 2021     Head of the Division of Biofunctional metabolites and structures,  
Priority Area Chronic Lung Diseases at the Research Center Borstel, Leibniz Lung Center,  
Borstel, Germany  
2016 - 2020    Head of the Junior Group of Allergobiochemistry at the Research Center Borstel, Leibniz  
Lung Center, Borstel, Germany  
2012-2015     Scientist and project leader at the Division of Structural Biochemistry, Research Center  
Borstel, Germany  
2009-2012     Post doctoral fellow within DFG, Division of Structural Biochemistry, Research Center  
Borstel, Germany  
2008-2009     Scholarship holder, Division of Structural Biochemistry, Research Center Borstel,  
Germany  
2003-2007     Assistant at the University of Silesia, Department of Microbiology, Poland

### **Citation Record**

*Total citations: 711; h-index:19; h-index since 2018: 13 (Google Scholar March, 2023 )*

## Top-10 selected Publications

Di Lorenzo F., **Duda K.A.**, Lanzetta R., Silipo A., De Castro C., Molinaro A. **2021**. A Journey from Structure to Function of Bacterial Lipopolysaccharides. *Chem Rev.* doi: 10.1021/acs.chemrev.0c01321. Online ahead of print. PMID: 34286971

Du X., Larsen J., Li M., Walter A., Slavetinsky C., Both A., Sanchez Carballo P.M., Stegger M., Lehmann E., Liu Y., Liu J., Slavetinsky J., **Duda K.A.**, Krismer B., Heilbronner S., Weidenmaier C., Mayer C., Rohde H., Winstel V., Peschel A. **2021**. *Staphylococcus epidermidis* clones express *Staphylococcus aureus*-type wall teichoic acid to shift from a commensal to pathogen lifestyle. *Nat Microbiol.* 6(6):757-768. doi: 10.1038/s41564-021-00913-z. PMID: 34031577

Li C., **Duda K.A.**, Elverdal P.L., Skovsted I.C., Kjeldsen C., Teze D., Duus J.Ø. **2021**. 2021 Structural, biosynthetic and serological cross-reactive elucidation of capsular polysaccharides from *Streptococcus pneumoniae* serogroup 28. *Carbohydr Polym.* 254:117323. doi: 10.1016/j.carbpol.2020.117323.

Marchetti R., Fabregat F.N., Pallach M., Gully D., Giraud E., Molinaro A., **Duda K.A.**, Silipo A. **2021**. The peculiar structure of *Acetobacter pasteurianus* CIP103108 LPS core oligosaccharide. *Chembiochem.* IF 2,59, 22(1):147-150, doi: 10.1002/cbic.202000597.

**González Roldán, N.**, Engel, R., Düpow, S., Jakob, K., Koops, F., Orinska, F., Vigor, C., Oger, C., Galano, J-M., Durand, T., Jappe, U., **Duda, K.A.** **2019**. Lipid mediators from Timothy grass pollen contribute to the effector phase of allergy and prime dendritic cells for glycolipid presentation. *Front Immunol.* ;10:974. doi: 10.3389/fimmu.2019.00974. eCollection 2019

Jappe, U, Schwager, C, Schromm, A, González Roldán, N, Stein, K, Heine, H & Duda, K 2019, 'Lipophilic allergens, different modes of allergen-lipid interaction and their impact on asthma and allergy' *Front Immunol.* 10:122. doi: 10.3389/fimmu.2019.00122. eCollection 2019.

Bönisch, E., Oh, Y.J., Anzengruber, J., Hager, F.F., López-Guzmán, A., Zayni, S., Hinterdorfer, P., Kosma, P., Messner, P., **Duda, K.A.\***, Schäffer, C\*. **2018**. Lipoteichoic acid mediates binding of a *Lactobacillus* S-layer protein. *Glycobiology.* 1;28(3):148-158. doi: 10.1093/glycob/cwx102.

\* corresponding authors

Steffens T.\*, **Duda K. \***, Lindner B., Vorhölter F.J., Bednarz H., Niehaus K., Holst O. 2017. The lipopolysaccharide of the crop pathogen *Xanthomonas translucens* pv. *translucens*: chemical characterization and determination of signaling events in plant cells. *Glycobiology.* 27(3):264-274

\* Contributed equally

**Duda K.A.**, Petersen S., Holst O. **2016**. Structural characterization of the lipoteichoic acid isolated from *Staphylococcus sciuri* W620. *Carbohydr Res.* 430:44-47. doi: 10.1016/j.carres.2016.04.026

Pinta E\*, **Duda KA\***, Hanuszkiewicz A\*, Kaczyński Z, Lindner B, Miller WL, Hyytiäinen H, Vogel C, Borowski S, Kasperkiewicz K, Lam JS, Radziejewska-Lebrecht J, Skurnik M, Holst O. 2009. Identification and role of a 6-deoxy-4-keto-hexosamine in the lipopolysaccharide outer core of *Yersinia enterocolitica* serotype O:3. *Chemistry.* 2009 Sep 28;15(38):9747-54. doi: 10.1002/chem.200901255.

\*equal contribution