

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: 638; h-index:17; h-index since 2017: 13 (Google Scholar August, 26th, 2022)

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.

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Steffens T.*, **Duda K. ***, Lindner B., Vorhölder 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