

## Archive – Publications of the Department

### October – December 2023

- Ahumada V, Zakzuk J, **Aglas L**, Coronado S, **Briza P**, Regino R, **Ferreira F**, Caraballo L. Comparison of Antibody Responses against Two Molecules from *Ascaris lumbricoides*: The Allergen Asc I 5 and the Immunomodulatory Protein AI-CPI. *Biology (Basel)* 12(10). 2023.
- Casonato Melo C, Fux AC, **Himly M**, Bastus NG, Schlahsa L, Siewert C, Puntos V, **Duschl A**, Gessner I, Fauerbach JA. Recovering What Matters: High Protein Recovery after Endotoxin Removal from LPS-Contaminated Formulations Using Novel Anti-Lipid A Antibody Microparticle Conjugates. *Int J Mol Sci* 24(18). 2023.
- Defant P, **Regl C**, **Huber CG**, **Schubert M**. The NMR signature of maltose-based glycation in full-length proteins. *J Biomol NMR*. 2023.
- Esser-Skala W**, **Fortelny N**. Reliable interpretability of biology-inspired deep neural networks. *NPJ Syst Biol Appl* 9(1): 50. 2023.
- Frauenlob T**, **Neuper T**, **Regl C**, **Schaepertoens V**, **Unger MS**, **Oswald AL**, **Dang HH**, **Huber CG**, **Aberger F**, **Wessler S**, **Horejs-Hoeck J**. *Helicobacter pylori* induces a novel form of innate immune memory via accumulation of NF-small ka, CyrillicB proteins. *Front Immunol* 14: 1290833. 2023.
- Kovacs M**, **Geltinger F**, **Schartel L**, **Pöschl S**, **Briza P**, **Paschinger M**, **Boros K**, **Felder TK**, **Wimmer H**, **Duschl J**, **Rinnerthaler M**. Ola1p trafficking indicates an interaction network between mitochondria, lipid droplets, and stress granules in times of stress. *J Lipid Res* 64(12): 100473. 2023.
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- Santos NP**, **Brandstetter H**, **Dall E**. Arabidopsis thaliana Phytocystatin 6 Forms Functional Oligomer and Amyloid Fibril States." *Biochemistry* 62(23): 3420-3429. 2023.

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- Di Marco F**, **Blöchl C**, **Esser-Skala W**, **Schäpertons V**, Zhang T, Wuhrer M, Sandra K, **Wohlschlager T**, **Huber CG**. Glycoproteomics of a Single Protein: Revealing Tens of Thousands of Myozyme Glycoforms by Hybrid HPLC-MS Approaches. *Mol Cell Proteomics* 22(9): 100622. 2023.
- Di Marco F**, **Blümel G**, **Blöchl C**, Wuhrer M, **Huber C.G**. A semi-automated hybrid HPLC-MS approach for in-depth characterization of intact non-covalent heterodimer glycoforms of gonadotropin biopharmaceuticals. *Anal Chim Acta* 1274: 341574. 2023.
- Krenn PW**, **Aberger F**. Targeting cancer hallmark vulnerabilities in hematologic malignancies by interfering with Hedgehog/GLI signaling. *Blood*. 2023.
- Santos NP**, Soh WT, Demir F, **Tenhaken R**, **Briza P**, Huesgen PF, **Brandstetter H**, **Dall E**. Phytocystatin 6 is a context-dependent, tight-binding inhibitor of Arabidopsis thaliana legumain isoform beta. *Plant J*. 2023.
- Serwanja J**, **Brandstetter H**, **Schönauer E**. Quantitative cross-linking via engineered cysteines to study inter-domain interactions in bacterial collagenases. *STAR Protoc* 4(3): 102519. 2023.
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**Alhayek A**, Abdelsamie AS, **Schonauer E**, Camberlein V, **Hutterer E**, **Posselt G**, **Serwanja J**, **Bloch C**, **Huber CG**, Haupenthal J, **Brandstetter H**, **Wessler S**, Hirsch AKH. Discovery and Characterization of Synthesized and FDA-Approved Inhibitors of Clostridial and Bacillary Collagenases. *J Med Chem* 65(19): 12933-12955. 2022.

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