

**Journalbeiträge**

1. Absmeier E, Wollenhaupt J, Mozaffari-Jovin S, Becke C, Lee CT, Preussner M, Heyd F, Urlaub H, Lührmann R, Santos KF, Wahl MC (2015) The large N-terminal region of the Brr2 RNA helicase guides productive spliceosome activation. *GENE DEV* 29(24): 2576-87, doi: 10.1101/gad.271528.115
2. Bohnenberger H, Ströbel P, Mohr S, Corso J, Berg T, Urlaub H, Lenz C, Serve H, Oellerich T (2015) Quantitative mass spectrometric profiling of cancer-cell proteomes derived from liquid and solid tumors. *JOVE-J VIS EXP* x(96): e52435, doi: 10.3791/52435
3. Brandhorst G, Petrova DT, Weigand S, Eberle C, von Ahlsen N, Schmitz J, Schultze FC, Raddatz D, Karaus M, Oellerich M, Walson PD (2015) Lack of correlation between Treg quantification assays in inflammatory bowel disease patients. *WORLD J GASTROENTERO* 21(11): 3325-9, doi: 10.3748/wjg.v21.i11.3325
4. Cass SDB, Haas KA, Stoll B, Alkhnbashi OS, Sharma K, Urlaub H, Backofen R, Marchfelder A, Bolt EL (2015) The role of Cas8 in type I CRISPR interference. *BIOSCIENCE REP* 35(3): -, doi: 10.1042/BSR20150043
5. Crisci A, Raleff F, Bagdiul I, Raabe M, Urlaub H, Rain JC, Krämer A (2015) Mammalian splicing factor SF1 interacts with SURP domains of U2 snRNP-associated proteins. *NUCLEIC ACIDS RES* 43(21): 10456-73, doi: 10.1093/nar/gkv952
6. De I, Bessonov S, Hofele R, dos Santos K, Will CL, Urlaub H, Lührmann R, Pena V (2015) The RNA helicase Aquarius exhibits structural adaptations mediating its recruitment to spliceosomes. *NAT STRUCT MOL BIOL* 22(2): 138-44, doi: 10.1038/nsmb.2951
7. Dihazi GH, Mueller GA, Asif AR, Eltoweissy M, Wessels JT, Dihazi H (2015) Proteomic characterization of adrenal gland embryonic development reveals early initiation of steroid metabolism and reduction of the retinoic acid pathway. *PROTEOME SCI* 13: 6, doi: 10.1186/s12953-015-0063-8
8. Frickmann H, Dekker D, Schwarz NG, Hahn A, Boahen K, Sarpong N, Adu-Sarkodie Y, Halbgewachs E, Marks F, von Kalckreuth V, Poppert S, Loderstaedt U, May J, Hagen RM (2015) 16S rRNA Gene Sequence-Based Identification of Bacteria in Automatically Incubated Blood Culture Materials from Tropical Sub-Saharan Africa. *PLOS ONE* 10(8): e0135923, doi: 10.1371/journal.pone.0135923
9. Frickmann H, Loderstaedt U, Racz P, Tenner-Racz K, Eggert P, Haeupler A, Bialek R, Hagen RM (2015) Detection of tropical fungi in formalin-fixed, paraffin-embedded tissue: still an indication for microscopy in times of sequence-based diagnosis? *BIOMED RES INT* 2015: 938721, doi: 10.1155/2015/938721
10. Grey Née Cotte S, Salmen Née Stroet A, von Ahlsen N, Starck M, Winkelmann A, Zettl UK, Comabella M, Montalban X, Zipp F, Fleischer V, Kruse N, Gold R, Chan A (2015) Lack of efficacy of mitoxantrone in primary progressive Multiple Sclerosis irrespective of pharmacogenetic factors: a multi-center, retrospective analysis. *J NEUROIMMUNOL* 278: 277-9, doi: 10.1016/j.jneuroim.2014.11.017
11. Jorrín-Novo JV, Pascual J, Sánchez-Lucas R, Romero-Rodríguez MC, Rodríguez-Ortega MJ, Lenz C, Valledor L (2015) Fourteen years of plant proteomics reflected in Proteomics: Moving from model species and 2DE-based approaches to orphan species and gel-free platforms. *PROTEOMICS* 15(5-6): 1089-112, doi: 10.1002/pmic.201400349
12. Kadavath H, Hofele RV, Biernat J, Kumar S, Tepper K, Urlaub H, Mandelkow E, Zweckstetter M (2015) Tau stabilizes microtubules by binding at the interface between tubulin heterodimers. *P NATL ACAD SCI USA* 112(24): 7501-6, doi: 10.1073/pnas.1504081112
13. Khan N, Asif AR (2015) Transcriptional regulators of claudins in epithelial tight junctions. *MEDIAT INFLAMM* 2015: 219843, doi: 10.1155/2015/219843
14. Khan N, Pantakani DVK, Binder L, Qasim M, Asif AR (2015) Immunosuppressant MPA Modulates Tight Junction through Epigenetic Activation of MLCK/MLC-2 Pathway via p38MAPK. *FRONT PHYSIOL* 6: 381, doi: 10.3389/fphys.2015.00381
15. Kırılı K, Karaca S, Dehne HJ, Samwer M, Pan KT, Lenz C, Urlaub H, Görlich D (2015) A deep proteomics perspective on CRM1-mediated nuclear export and nucleocytoplasmic partitioning. *ELIFE* 4: - doi:10.7554, doi: 10.7554/eLife.11466
16. Lin TY, Voronovsky A, Raabe M, Urlaub H, Sander B, Golas MM (2015) Dual tagging as an approach to isolate endogenous chromatin remodeling complexes from *Saccharomyces cerevisiae*. *BICHIM BIOPHYS ACTA* 1854(3): 198-208, doi: 10.1016/j.bbapap.2014.11.009
17. Lugassy J, Corso J, Beach D, Petrik T, Oellerich T, Urlaub H, Yablonski D (2015) Modulation of TCR responsiveness by the Grb2-family adaptor, Gads. *CELL SIGNAL* 27(1): 125-34, doi: 10.1016/j.cellsig.2014.10.005
18. Meyer T, Herrmann-Lingen C, Chavanon ML, Nolte K, Pasedach CA, Binder L, Pieske B, Hasenfuss G, Wachter R, Edelmann F (2015) Higher plasma levels of MR-pro-atrial natriuretic peptide are linked to less anxiety: results from the observational DIAST-CHF study. *CLIN RES CARDIOL* 104(7): 574-81, doi: 10.1007/s00392-015-0820-9
19. Misdaq M, Ziegler S, von Ahlsen N, Oellerich M, Asif AR (2015) Thiopurines induce oxidative stress in T-lymphocytes: a proteomic approach. *MEDIAT INFLAMM* 2015: 434825, doi: 10.1155/2015/434825

20. Oellerich T, Mohr S, Corso J, Beck J, Döbele C, Braun H, Cremer A, Münch S, Wicht J, Oellerich MF, Bug G, Bohnenberger H, Perske C, Schütz E, [Urlaub H](#), Serve H (2015) FLT3-ITD and TLR9 use Bruton tyrosine kinase to activate distinct transcriptional programs mediating AML cell survival and proliferation. *BLOOD* 125(12): 1936-47, doi: 10.1182/blood-2014-06-585216
21. [Petrova DT](#), [Brandhorst G](#), Koch C, Schultze FC, [Eberle C](#), [Walson PD](#), [Oellerich M](#) (2015) Mycophenolic acid reverses TGF beta-induced cell motility, collagen matrix contraction and cell morphology in vitro. *CELL BIOCHEM FUNCT* 33(7): 503-8, doi: 10.1002/cbf.3149
22. Pleiner T, Bates M, Trakhanov S, Lee CT, Schliep JE, Chug H, Böhning M, Stark H, [Urlaub H](#), Görlich D (2015) Nanobodies: site-specific labeling for super-resolution imaging, rapid epitope-mapping and native protein complex isolation. *ELIFE* 4: e11349, doi: 10.7554/eLife.11349
23. Port SA, Monecke T, Dickmanns A, Spillner C, Hofele R, [Urlaub H](#), Ficner R, Kehlenbach RH (2015) Structural and Functional Characterization of CRM1-Nup214 Interactions Reveals Multiple FG-Binding Sites Involved in Nuclear Export. *CELL REP* 13(4): 690-702, doi: 10.1016/j.celrep.2015.09.042
24. Qamar S, Kramer K, [Urlaub H](#) (2015) Studying RNA-Protein Interactions of Pre-mRNA Complexes by Mass Spectrometry. *METHOD ENZYMOL* 558: 417-63, doi: 10.1016/bs.mie.2015.02.010
25. Ramljak S, Schmitz M, Zafar S, Wrede A, Schenkel S, [Asif AR](#), Carimalo J, Doeppner TR, Schulz-Schaeffer WJ, Weise J, Zerr I (2015) Cellular prion protein directly interacts with and enhances lactate dehydrogenase expression under hypoxic conditions. *EXP NEUROL* 271: 155-67, doi: 10.1016/j.expneurol.2015.04.025
26. Reuss B, Schrotten H, Ishikawa H, [Asif AR](#) (2015) Cross-reactivity of Antibodies Directed to the Gram-Negative Bacterium *Neisseria gonorrhoeae* With Heat Shock Protein 60 and ATP-Binding Protein Correlates to Reduced Mitochondrial Activity in HIBCPP Choroid Plexus Papilloma Cells. *J MOL NEUROSCI* 57(1): 123-38, doi: 10.1007/s12031-015-0585-7
27. Sakin V, Richter SM, Hsiao HH, [Urlaub H](#), Melchior F (2015) Sumoylation of the GTPase Ran by the RanBP2 SUMO E3 Ligase Complex. *J BIOL CHEM* 290(39): 23589-602, doi: 10.1074/jbc.M115.660118
28. Salat D, Winkler A, [Urlaub H](#), Gessler M (2015) Hey bHLH Proteins Interact with a FBXO45 Containing SCF Ubiquitin Ligase Complex and Induce Its Translocation into the Nucleus. *PLOS ONE* 10(6): e0130288, doi: 10.1371/journal.pone.0130288
29. Schwarz NG, [Loderstaedt U](#), Hahn A, Hinz R, Zautner AE, Eibach D, Fischer M, Hagen RM, Frickmann H (2015) Microbiological laboratory diagnostics of neglected zoonotic diseases (NZDs). *ACTA TROP* x: x-y, doi: 10.1016/j.actatropica.2015.09.003
30. Scott MG, Rifai N, Smith B, [Oellerich M](#), Panteghini M, Apple F, Sikaris K, Young I (2015) The changing face of laboratory medicine: a more service and less academically oriented profession? *CLIN CHEM* 61(2): 322-9, doi: 10.1373/clinchem.2014.230300
31. Seegers J, Zabel M, Grüter T, Ammermann A, Weber-Krüger M, Edelmann F, Gelbrich G, [Binder L](#), Herrmann-Lingen C, Gröschel K, Hasenfuß G, Feltgen N, Pieske B, Wachter R (2015) Natriuretic peptides for the detection of paroxysmal atrial fibrillation. *Open Heart* 2(1): e000182, doi: 10.1136/openhrt-2014-000182
32. Sharma K, Hrle A, Kramer K, Sachsenberg T, Staals RHJ, Randau L, Marchfelder A, van der Oost J, Kohlbacher O, Conti E, [Urlaub H](#) (2015) Analysis of protein-RNA interactions in CRISPR proteins and effector complexes by UV-induced cross-linking and mass spectrometry. *METHODS* 89: 138-48, doi: 10.1016/j.ymeth.2015.06.005
33. Timm T, [Lenz C](#), Merkel D, Sadiffo C, Grabitzki J, Klein J, Lochnit G (2015) Detection and Site Localization of Phosphorylcholine-Modified Peptides by NanoLC-ESI-MS/MS Using Precursor Ion Scanning and Multiple Reaction Monitoring Experiments. *J AM SOC MASS SPECTR* 26(3): 460-71, doi: 10.1007/s13361-014-1036-3
34. Wohlgemuth I, [Lenz C](#), [Urlaub H](#) (2015) Studying macromolecular complex stoichiometries by peptide-based mass spectrometry. *PROTEOMICS* 15(5-6): 862-79, doi: 10.1002/pmic.201400466
35. Zaman U, Richter FM, Hofele R, Kramer K, Sachsenberg T, Kohlbacher O, [Lenz C](#), [Urlaub H](#) (2015) Dithiothreitol (DTT) Acts as a Specific, UV-inducible Cross-linker in Elucidation of Protein-RNA Interactions. *MOL CELL PROTEOMICS* 14(12): 3196-210, doi: 10.1074/mcp.M115.052795
36. Zerche M, Weissenborn K, Ott C, Dere E, [Asif AR](#), Worthmann H, Hassouna I, Rentzsch K, Tryc AB, Dahm L, Steiner J, [Binder L](#), Wilfang J, Sirén AL, Stöcker W, Ehrenreich H (2015) Preexisting Serum Autoantibodies Against the NMDAR Subunit NR1 Modulate Evolution of Lesion Size in Acute Ischemic Stroke. *STROKE* 46(5): 1180-6, doi: 10.1161/STROKEAHA.114.008323