

**Journalbeiträge**

1. Alkhaja AK, Jans DC, Nikolov M, Vukotic M, Lytovchenko O, Ludewig F, Schliebs W, Riedel D, Urlaub H, Jakobs S, Deckers M (2012) MINOS1 is a conserved component of mitofilin complexes and required for mitochondrial function and cristae organization. *MOL BIOL CELL*, 23(2): 247-57.
2. Borsarelli CD, Falomir-Lockhart LJ, Ostatná V, Fauerbach JA, Hsiao HH, Urlaub H, Paleček E, Jares-Erijman EA, Jovin TM (2012) Biophysical properties and cellular toxicity of covalent crosslinked oligomers of  $\tau$ -synuclein formed by photoinduced side-chain tyrosyl radicals. *FREE RADICAL BIO MED*, 53(4): 1004-15.
3. Brandhorst G, Oellerich M, Maine G, Taylor P, Veen G, Wallemacq P (2012) Liquid chromatography-tandem mass spectrometry or automated immunoassays: what are the future trends in therapeutic drug monitoring? *CLIN CHEM*, 58(5): 821-5.
4. Décard BF, von Ahsen N, Grunwald T, Streit F, Stroet A, Niggemeier P, Schottstedt V, Riggert J, Gold R, Chan A (2012) Low vitamin D and elevated immunoreactivity against Epstein-Barr virus before first clinical manifestation of multiple sclerosis. *J NEUROL NEUROSUR PS*, 83(12): 1170-3.
5. Edelmann F, Tomaschitz A, Wachter R, Gelbrich G, Knoke M, Düngen HD, Pilz S, Binder L, Stahrenberg R, Schmidt A, März W, Pieske B (2012) Serum aldosterone and its relationship to left ventricular structure and geometry in patients with preserved left ventricular ejection fraction. *EUR HEART J*, 33(2): 203-12.
6. Emami-Nemini A, Gohla A, Urlaub H, Lohse MJ, Klenk C (2012) The guanine nucleotide exchange factor Vav2 is a negative regulator of parathyroid hormone receptor/Gq signaling. *MOL PHARMACOL*, 82(2): 217-25.
7. Gawinecka J, Cardone F, Asif AR, De Pascalis A, Wemheuer WM, Schulz-Schaeffer WJ, Pocchiari M, Zerr I (2012) Sporadic Creutzfeldt-Jakob disease subtype-specific alterations of the brain proteome: impact on Rab3a recycling. *PROTEOMICS*, 12(23-24): 3610-20.
8. Girard C, Will CL, Peng J, Makarov EM, Kastner B, Lemm I, Urlaub H, Hartmuth K, Lührmann R (2012) Post-transcriptional spliceosomes are retained in nuclear speckles until splicing completion. *NAT COMMUN*, 3: 994.
9. Himmel S, Zschiedrich CP, Becker S, Hsiao HH, Wolff S, Diethmaier C, Urlaub H, Lee D, Griesinger C, Stülke J (2012) Determinants of interaction specificity of the Bacillus subtilis GlcT antitermination protein: functionality and phosphorylation specificity depend on the arrangement of the regulatory domains. *J BIOL CHEM*, 287(33): 27731-42.
10. Israeli M, Klein T, Brandhorst G, Oellerich M (2012) Confronting the challenge: individualized immune monitoring after organ transplantation using the cellular immune function assay. *CLIN CHIM ACTA*, 413(17-18): 1374-8.
11. Jaspers MHJ, Nolde K, Behr M, Joo Sh, Plessmann U, Nikolov M, Urlaub H, Schuh R (2012) The claudin Megatrachea protein complex. *J BIOL CHEM*, 287(44): 36756-65.
12. Khromov T, Dressel R, Siamishi I, Nolte J, Opitz L, Engel W, Pantakani K (2012) Apoptosis-related gene expression profiles of mouse ESCs and maGSCs: role of Fgf4 and Mnda in pluripotent cell responses to genotoxicity. *PLOS ONE*, 7(11): e48869.
13. Lemeer S, Kunold E, Klaeger S, Raabe M, Towers MW, Claudes E, Arrey TN, Strupat K, Urlaub H, Kuster B (2012) Phosphorylation site localization in peptides by MALDI MS/MS and the Mascot Delta Score. *ANAL BIOANAL CHEM*, 402(1): 249-60.
14. Misdaq M, Andag R, Oellerich M, Asif AR, von Ahsen N (2012) Establishment of thiopurine S-methyltransferase gene knockdown in jurkat T-lymphocytes: an in vitro model of TPMT polymorphism. *THER DRUG MONIT*, 34(5): 584-92.
15. Mozaffari-Jovin S, Santos KF, Hsiao HH, Will CL, Urlaub H, Wahl MC, Lührmann R (2012) The Prp8 RNase H-like domain inhibits Brr2-mediated U4/U6 snRNA unwinding by blocking Brr2 loading onto the U4 snRNA. *GENE DEV*, 26(21): 2422-34.
16. Nasim FuH, Ejaz S, Ashraf M, Asif AR, Oellerich M, Ahmad G, Malik GA, Malik AuR (2012) Potential Biomarkers in the Sera of Breast Cancer Patients from Bahawalpur, Pakistan. *Biomarkers in Cancer*, 4: 19-34.
17. Rother A, Glander P, Vitt E, Czock D, von Ahsen N, Armstrong VW, Oellerich M, Budde K, Feneberg R, Tönshoff B, Weber LT (2012) Inosine monophosphate dehydrogenase activity in paediatrics: age-related regulation and response to mycophenolic acid. *EUR J CLIN PHARMACOL*, 68(6): 913-22.
18. Schmidt C, Kramer K, Urlaub H (2012) Investigation of protein-RNA interactions by mass spectrometry--Techniques and applications. *J PROTEOMICS*, 75(12): 3478-94.
19. Schmidt C, Wolff M, von Ahsen N, Zerr I (2012) Alzheimer's disease: genetic polymorphisms and rate of decline. *DEMENT GERIATR COGN*, 33(2-3): 84-9.
20. Schmitzová J, Rasche N, Dybkov O, Kramer K, Fabrizio P, Urlaub H, Lührmann R, Pena V (2012) Crystal structure of Cwc2 reveals a novel architecture of a multipartite RNA-binding protein. *EMBO J*, 31(9): 2222-34.

21. Schulz-Juergensen S, Burdelski MM, Oellerich M, Brandhorst G (2012) Intracellular ATP production in CD4+ T cells as a predictor for infection and allograft rejection in trough-level guided pediatric liver transplant recipients under calcineurin-inhibitor therapy. *THER DRUG MONIT*, 34(1): 4-10.
22. Sinigalia E, Alvisi G, Segré CV, Mercorelli B, Muratore G, Winkler M, Hsiao HH, Urlaub H, Ripalti A, Chiocca S, Palù G, Lorigian A (2012) The human cytomegalovirus DNA polymerase processivity factor UL44 is modified by SUMO in a DNA-dependent manner. *PLOS ONE*, 7(11): e49630.
23. Strasser D, Neumann K, Bergmann H, Marakalala MJ, Guler R, Rojowska A, Hopfner KP, Brombacher F, Urlaub H, Baier G, Brown GD, Leitges M, Ruland J (2012) Syk kinase-coupled C-type lectin receptors engage protein kinase C- $\gamma$  to elicit Card9 adaptor-mediated innate immunity. *IMMUNITY*, 36(1): 32-42.
24. Thorn A, Steinfeld R, Ziegenbein M, Grapp M, Hsiao HH, Urlaub H, Sheldrick GM, Gärtner J, Krätzner R (2012) Structure and activity of the only human RNase T2. *NUCLEIC ACIDS RES*, 40(17): 8733-42.
25. Tirard M, Hsiao HH, Nikolov M, Urlaub H, Melchior F, Brose N (2012) In vivo localization and identification of SUMOylated proteins in the brain of His6-HA-SUMO1 knock-in mice. *P NATL ACAD SCI USA*, 109(51): 21122-7.
26. Tzvetkov M, von Ahlsen N (2012) Pharmacogenetic screening for drug therapy: from single gene markers to decision making in the next generation sequencing era. *PATHOLOGY*, 44(2): 166-80.
27. von Ahlsen N, Chan A (2012) Therapeutic monitoring of immunotherapies in autoimmune diseases. *CURR PHARM DESIGN*, 18(29): 4550-5.
28. Wand S, Waeschle R, Von Ahlsen N, Hawighorst T, Bräuer A, Quintel M (2012) Acute liver failure due to acute fatty liver of pregnancy. *MINERVA ANESTESIOLOGIA*, 78(4): 503-6.
29. Wieland E, Shipkova M, Oellerich M (2012) Biomarkers in transplantation medicine: guide to the next level in immunosuppressive therapy. *CLIN CHIM ACTA*, 413(17-18): 1309.
30. Zahid S, Oellerich M, Asif AR, Ahmed N (2012) Phosphoproteome profiling of substantia nigra and cortex regions of Alzheimer's disease patients. *J NEUROCHEM*, 121(6): 954-63.

#### **Buchbeiträge**

1. Maqbool A, Zahur M, Asif AR (2012) Improved Minerals Bioavailability through Phytate Degradation. In: International Society for Sustainable Development and Agriculture (Hg.) Sustainable Land Use and the Food Chain. Cuvillier Verlag, Göttingen, 79-88.
2. Singh B, Sharma GL, Singh S, Reichard U, Oellerich M, Bhadoria DP, Asif AR (2012) Aspergillosis: a major challenge for public health. In: Martin Kappas, Uwe Groß, Dermot Kelleher (Hg.) Global Health; A Challenge for Interdisciplinary Research. Universitätsverlag Göttingen / Universitätsdrucke, Göttingen, 191-208.

#### **Habilitationen**

1. Brandhorst G (2012) Der Einfluss von Mycophenolatmofetil auf die renale Fibrogenese. Habilitation Universität Göttingen.

**Medizinische Dissertationen**

1. Hohenstein K, Dr. med. (2012) Native multimer analysis of plasma and platelet von Willebrand factor compared to denaturing separation: Implication for the interpretation of satellite bands. Dissertation Universität Göttingen.

**Zahnmedizinische Dissertationen**

1. Gaida S, Dr. med. dent. (2012) Untersuchung des Sekretoms chondrogener Progenitorzellen mittels metabolischer Markierung und quantitativer Massenspektrometrie. Dissertation Universität Göttingen.

**Naturwiss. u.a. nichtmed. Diss.**

1. Misdaq M, Dr. rer. nat. (2012) Establishment of human lymphoma cell lines with different thiopurine S-methyltransferase (TPMT) activities and differential proteome analysis after thiopurine exposure. Dissertation Universität Göttingen.
2. Qasim M, Dr. rer. nat. (2012) Proteomic investigation of the molecular targets of mycophenolic acid in human cells. Dissertation Universität Göttingen.
3. Rahman H, Dr. rer. nat. (2012) Identification of interacting partners of rapamycin complex 1 (mTORC1) assembly in human lymphocytes. Dissertation Universität Göttingen.