

List of publications 2023

List of publications with involvement of GPF members. GPF authors are labeled as bold type. Publications headed by authors from scientific groups of the GC (first or last author) are additionally labeled with ❖.

- (1) Alfaro A.J., Dittner C., Becker J., Loft A., Mhamane A., Maida A., Georgiadi A., Tsokanos F.F., Klepac K., Molocea C.E., El-Merahbi R., Motzler K., Geppert J., Karikari R.A., Szendrői J., Feuchtinger A., Hofmann S., Karaca S., **Urlaub H.**, Berriel Diaz M., Melchior F. and Herzig S. (2023) Fasting-sensitive SUMO-switch on Prox1 controls hepatic cholesterol metabolism. *EMBO Rep*, 24, e55981.
- (2) Altas B., Tuffy L.P., Patrizi A., Dimova K., Soykan T., Brandenburg C., Romanowski A.J., Whitten J.R., Robertson C.D., Khim S.N., Crutcher G.W., Ambrozkiwicz M.C., Yagensky O., Krueger-Burg D., Hammer M., Hsiao H.H., Laskowski P.R., Dyck L., Puche A.C., Sassoè-Pognetto M., Chua J.J.E., **Urlaub H.**, **Jahn O.**, Brose N. and Pouloupoulos A. (2023) Region-Specific Phosphorylation Determines Neuroligin-3 Localization to Excitatory versus Inhibitory Synapses. *Biol Psychiatry*, S0006-3223(23)01799-7. ❖
- (3) Bader A.S., Gnädig M.U., Fricke M., Buschgens L., Berger L.J., Klafki H.W., Meyer T., **Jahn O.**, Weggen S. and Wirths O. (2023) Brain Region-Specific Differences in Amyloid-beta Plaque Composition in 5XFAD Mice. *Life (Basel)*, 13, 1053. ❖
- (4) Bakti F., Stupperich H., **Schmitt K.**, **Valerius O.**, Köhler A.M., Meister C., Strohdiek A., Harting R., Sasse C., Heimel K., Neumann P., Ficner R. and Braus G.H. (2023) Fungal COP9 signalosome assembly requires connection of two trimeric intermediates for integration of intrinsic deneddylase. *Proc Natl Acad Sci U S A*, 120, e2305049120. ❖
- (5) Ben Guebila M., Wang T., Lopes-Ramos C.M., Fanfani V., Weighill D., Burkholz R., Schlauch D., Paulson J.N., **Altenbuchinger M.**, Shutta K.H., Sonawane A.R., Lim J., Calderer G., van I.D.G.P., Morgan D., Marin A., Chen C.Y., Song Q., Saha E., DeMeo D.L., Padi M., Platig J., Kuijjer M.L., Glass K. and Quackenbush J. (2023) The Network Zoo: a multilingual package for the inference and analysis of gene regulatory networks. *Genome Biol*, 24, 45.
- (6) Bernhardt M., Rühlmann F., Azizian A., Kölling M.A., **Beissbarth T.**, Grade M., König A.O., Ghadimi M. and Gaedcke J. (2023) Impact of Portal Vein Resection (PVR) in Patients Who Underwent Curative Intended Pancreatic Head Resection. *Biomedicine*, 11, 3025. ❖
- (7) Binotti B., Ninov M., Cepeda A.P., Ganzella M., Matti U., Riedel D., **Urlaub H.**, Sambandan S. and Jahn R. (2023) ATG9 resides on a unique population of small vesicles in presynaptic nerve terminals. *Autophagy*, 1-19. ❖
- (8) Bockhop F., Cunitz K., Zeldovich M., Buchheim A., **Beissbarth T.**, Hagmayer Y. and von Steinbuechel N. (2023) Influence of Sociodemographic, Premorbid, and Injury-Related Factors on Post-Traumatic Stress, Anxiety, and Depression after Traumatic Brain Injury. *J Clin Med*, 12, 3873. ❖
- (9) Boeckhaus J., Mohr L., **Dihazi H.**, Tönshoff B., Weber L.T., Pape L., Latta K., Fehrenbach H., Lange-Sperandio B., Kettwig M., Staude H., König S., John-Kroegel U., Gellermann J., Hoppe B., Galiano M., Haffner D., Rhode H. and Gross O. (2023) Ratio of Urinary Proteins to Albumin Excretion Shifts Substantially during Progression of the Podocytopathy Alport Syndrome, and Spot Urine Is a Reliable Method to Detect These Pathologic Changes. *Cells*, 12, 1333. ❖

- (10) Braulke F., Schweighöfer A., Schanz J., Shirneshan K., Ganster C., Pollock-Kopp B., **Leha A.** and Haase D. (2023) Cytogenetic peripheral blood monitoring in azacitidine treated patients with high-risk MDS/sAML: A monocentric real-world experience. *Leuk Res*, 124, 106996. ❖
- (11) Breitling V., **Leha A.**, Schiller S., Kruizenga M., Gärtner J. and Rosewich H. (2023) Association of Overweight and Obesity With Bell Palsy in Children. *Pediatr Neurol*, 139, 43-48. ❖
- (12) Buck L., Schmidt T., Feist M., Schwarzfischer P., Kube D., Oefner P.J., Zacharias H.U., **Altenbuchinger M.**, Dettmer K., Gronwald W. and Spang R. (2023) Anomaly detection in mixed high-dimensional molecular data. *Bioinformatics*, 39, btad501.
- (13) Cepeda A.P., Ninov M., Neef J., Parfentev I., Kusch K., Reisinger E., Jahn R., Moser T. and **Urlaub H.** (2023) Proteomic Analysis Reveals the Composition of Glutamatergic Organelles of Auditory Inner Hair Cells. *Mol Cell Proteomics*, 23, 100704. ❖
- (14) Chatterjee M., Özdemir S., Kunadt M., Koel-Simmelink M., Boiten W., Piepkorn L., Pham T.V., Chiasserini D., Piersma S.R., Knol J.C., Mobius W., Mollenhauer B., van der Flier W.M., Jimenez C.R., Teunissen C.E., **Jahn O.** and Schneider A. (2023) C1q is increased in cerebrospinal fluid-derived extracellular vesicles in Alzheimer's disease: A multi-cohort proteomics and immuno-assay validation study. *Alzheimers Dement*, 19, 4828-4840. ❖
- (15) Chen Y., Kokic G., Dienemann C., Dybkov O., **Urlaub H.** and Cramer P. (2023) Structure of the transcribing RNA polymerase II-Elongin complex. *Nat Struct Mol Biol*, 30, 1925-1935. ❖
- (16) Chowdhury A., Boshnakovska A., Aich A., Methi A., Vergel Leon A.M., Silbern I., Lüchtenborg C., Cyganek L., Prochazka J., Sedlacek R., Lindovsky J., Wachs D., Nichtova Z., Zudova D., Koubkova G., Fischer A., **Urlaub H.**, Brügger B., Katschinski D.M., Dudek J. and Rehling P. (2023) Metabolic switch from fatty acid oxidation to glycolysis in knock-in mouse model of Barth syndrome. *EMBO Mol Med*, 15, e17399.
- (17) Dadras A., Fürst-Jansen J.M.R., Darienko T., Krone D., Scholz P., Sun S., Herrfurth C., Rieseberg T.P., Irisarri I., Steinkamp R., Hansen M., Buschmann H., **Valerius O.**, Braus G.H., Hoecker U., Feussner I., Mutwil M., Ischebeck T., de Vries S., Lorenz M. and de Vries J. (2023) Environmental gradients reveal stress hubs pre-dating plant terrestrialization. *Nat Plants*, 9, 1419-1438. ❖
- (18) Dai Y., Ignatyeva N., Xu H., Wali R., Toischer K., Brandenburg S., **Lenz C.**, Pronto J., Fakuade F.E., Sossalla S., Zeisberg E.M., Janshoff A., Kutschka I., Voigt N., **Urlaub H.**, Rasmussen T.B., Mogensen J., Lehnart S.E., Hasenfuss G. and Ebert A. (2023) An Alternative Mechanism of Subcellular Iron Uptake Deficiency in Cardiomyocytes. *Circ Res*, 133, e19-e46. ❖
- (19) Dreyer A., **Lenz C.**, Gross U., Bohne W. and Zautner A.E. (2023) Characterization of *Campylobacter jejuni* proteome profiles in co-incubation scenarios. *Front Microbiol*, 14, 1247211. ❖
- (20) Dybkov O., Preussner M., El Ayoubi L., Feng V.Y., Harnisch C., Merz K., Leupold P., Yudichev P., Agafonov D.E., Will C.L., Girard C., Dienemann C., **Urlaub H.**, Kastner B., Heyd F. and Luhrmann R. (2023) Regulation of 3' splice site selection after step 1 of splicing by spliceosomal C* proteins. *Sci Adv*, 9, eadf1785. ❖
- (21) Evers M., Schreder M., Stühmer T., Jundt F., Ebert R., Hartmann T.N., **Altenbuchinger M.**, Rudelius M., Kuric M., Rindt W.D., Steinbrunn T., Langer C., Heredia-Guerrero S.C., Einsele H., Bargou R.C., Rosenwald A. and Leich E. (2023) Prognostic value of extracellular matrix gene mutations and expression in multiple myeloma. *Blood Cancer J*, 13, 43.

- (22) **Feussner K.**, Abreu I.N., Klein M. and Feussner I. (2023) Metabolite fingerprinting: A powerful metabolomics approach for marker identification and functional gene annotation. *Methods Enzymol*, 680, 325-350. ❖
- (23) Fleischer J.R., Schmitt A.M., Haas G., Xu X., Zeisberg E.M., Bohnenberger H., Küffer S., Teuwen L.A., Karras P.J., **Beissbarth T.**, Bleckmann A., Planque M., Fendt S.M., Vermeulen P., Ghadimi M., Kalucka J., De Oliveira T. and Conradi L.C. (2023) Molecular differences of angiogenic versus vessel co-opting colorectal cancer liver metastases at single-cell resolution. *Mol Cancer*, 22, 17. ❖
- (24) Garg G., Dienemann C., Farnung L., Schwarz J., Linden A., **Urlaub H.** and Cramer P. (2023) Structural insights into human co-transcriptional capping. *Mol Cell*, 83, 2464-2477 e2465. ❖
- (25) Grahn E., Kaufmann S.V., Askarova M., Ninov M., Welp L.M., Berger T.K., **Urlaub H.** and Kaupp U.B. (2023) Control of intracellular pH and bicarbonate by CO₂ diffusion into human sperm. *Nat Commun*, 14, 5395.
- (26) Grünberger F., Schmid G., El Ahmad Z., Fenk M., Vogl K., Reichelt R., Hausner W., **Urlaub H.**, **Lenz C.** and Grohmann D. (2023) Uncovering the temporal dynamics and regulatory networks of thermal stress response in a hyperthermophile using transcriptomics and proteomics. *mBio*, 14, e0217423.
- (27) Hoene G., Moser N., Schminke B., Wiechens B., **Leha A.**, Khromov T., Schliephake H. and Brockmeyer P. (2023) Postoperative facial appearance of patients with extensive oral squamous cell carcinoma can be adequately preserved with in-house virtually planned mandibular reconstruction. *Mol Clin Oncol*, 19, 97. ❖
- (28) Hollstein M.M., Dierks S., Schön M.P., Bergmann A., Abratis A., Eidizadeh A., Kaltenbach S., Schanz J., Gross U., **Leha A.**, Kröger A., Andag R., Zautner A.E., Fischer A., Erpenbeck L. and Schnelle M. (2023) Humoral and cellular immune responses in fully vaccinated individuals with or without SARS-CoV-2 breakthrough infection: Results from the CoV-ADAPT cohort. *J Med Virol*, 95, e29122. ❖
- (29) Jentoft I.M.A., Bäuerlein F.J.B., Welp L.M., Cooper B.H., Petrovic A., So C., Penir S.M., Politi A.Z., Horokhovskiy Y., Takala I., Eckel H., Moltrecht R., Lénárt P., Cavazza T., Liepe J., Brose N., **Urlaub H.**, Fernandez-Busnadiego R. and Schuh M. (2023) Mammalian oocytes store proteins for the early embryo on cytoplasmic lattices. *Cell*, 186, 5308-5327 e5325. ❖
- (30) Jia J., Hilal T., Bohnsack K.E., Chernev A., Tsao N., Bethmann J., Arumugam A., Parmely L., Holton N., Loll B., Mosammaparast N., Bohnsack M.T., **Urlaub H.** and Wahl M.C. (2023) Extended DNA threading through a dual-engine motor module of the activating signal co-integrator 1 complex. *Nat Commun*, 14, 1886.
- (31) Kanwal N., Krogh N., Memet I., Lemus-Diaz N., Thomé C.C., Welp L.M., Mizi A., Hackert P., Papantonis A., **Urlaub H.**, Nielsen H., Bohnsack K.E. and Bohnsack M.T. (2023) GPATCH4 regulates rRNA and snRNA 2'-O-methylation in both DHX15-dependent and DHX15-independent manners. *Nucleic Acids Res*, gkad1202.
- (32) Keil P., Wulf A., Kachariya N., Reuscher S., Huhn K., Silbern I., Altmüller J., Keller M., Stehle R., Zarnack K., Sattler M., **Urlaub H.** and Strässer K. (2023) Npl3 functions in mRNP assembly by recruitment of mRNP components to the transcription site and their transfer onto the mRNA. *Nucleic Acids Res*, 51, 831-851.
- (33) Khan A., Zahid S., Hasan B., **Asif A.R.** and Ahmed N. (2023) Mass Spectrometry based identification of site-specific proteomic alterations and potential pathways underlying the pathophysiology of schizophrenia. *Mol Biol Rep*, 50, 4931-4943. ❖

- (34) Khromov T., Fischer L., **Leha A.**, Bremmer F., Fischer A., Schliephake H., Rahat M.A. and Brockmeyer P. (2023) Combined Biomarker System Predicts Prognosis in Patients with Metastatic Oral Squamous Cell Carcinoma. *Cancers (Basel)*, 15, 4924. ❖
- (35) Klafki H.W., Wirths O., **Jahn O.**, Morgado B., Esselmann H. and Wiltfang J. (2023) Blood plasma biomarkers for Alzheimer's disease: Abeta1-42/1-40 vs. AbetaX-42/X-40. *Clin Chem Lab Med*, 62, e56-e57. ❖
- (36) Kotsis F., Bächle H., **Altenbuchinger M.**, Dönitz J., Njipouombe Nsangou Y.A., Meiselbach H., Kosch R., Salloch S., Bratan T., Zacharias H.U. and Schultheiss U.T. (2023) Expectation of clinical decision support systems: a survey study among nephrologist end-users. *BMC Med Inform Decis Mak*, 23, 239.
- (37) Kränzlein M., Schmöckel S.M., Geilfus C.M., Schulze W.X., **Altenbuchinger M.**, Hrenn H., Roessner U. and Zörb C. (2023) Lipid remodeling of contrasting maize (*Zea mays* L.) hybrids under repeated drought. *Front Plant Sci*, 14, 1050079.
- (38) Kretschmer L., Bernhard L., **Leha A.**, Kromer C., Julius K., Schön M.P. and Schnabel V. (2023) Checkpoint blockade and BRAF/MEK therapy in the therapeutic setting improved the overall survival after sentinel node biopsy: A retrospective study comparing patients with primary care between 1998-2009 and 2010-2017. *Int J Cancer*, 153, 380-388. ❖
- (39) **Leha A.**, Huber C., Friede T., Bauer T., Beckmann A., Bekeredjian R., Bleiziffer S., Herrmann E., Möllmann H., Walther T., Beyersdorf F., Hamm C., Künzi A., Windecker S., Stortecky S., Kutschka I., Hasenfuss G., Ensminger S., Frerker C. and Seidler T. (2023) Development and validation of explainable machine learning models for risk of mortality in transcatheter aortic valve implantation: TAVI risk machine scores. *Eur Heart J Digit Health*, 4, 225-235. ❖
- (40) Leich E., Brodtkorb M., Schmidt T., **Altenbuchinger M.**, Lingjaerde O.C., Lockmer S., Holte H., Nedeva T., Grieb T., Sander B., Sundström C., Spang R., Kimby E. and Rosenwald A. (2023) Gene expression and copy number profiling of follicular lymphoma biopsies from patients treated with first-line rituximab without chemotherapy. *Leuk Lymphoma*, 64, 1927-1937.
- (41) Lewandowska M., Zienkiewicz A., **Feussner K.**, König S., Kunst L. and Feussner I. (2023) Wound-induced triacylglycerol biosynthesis is jasmonoyl-isooleucin and abscisic acid independent. *Plant Biol (Stuttg)*, 25, 509-517. ❖
- (42) Lewandowska M., Zienkiewicz K., Zienkiewicz A., Kelly A., König S., **Feussner K.**, Kunst L. and Feussner I. (2023) Wounding Triggers Wax Biosynthesis in Arabidopsis Leaves in an Abscisic Acid and Jasmonoyl-Isoleucine Dependent Manner. *Plant Cell Physiol*, pcd137. ❖
- (43) Liepold T., Klafki H.W., Kumar S., Walter J., Wirths O., Wiltfang J. and **Jahn O.** (2023) Matrix Development for the Detection of Phosphorylated Amyloid-beta Peptides by MALDI-TOF-MS. *J Am Soc Mass Spectrom*, 34, 505-512. ❖
- (44) Mardiko A.A., Bludau A., Heinemann S., Kaba H.E.J., Fenz D., **Leha A.**, von Maltzahn N., Mutters N.T., Leistner R., Mattner F. and Scheithauer S. (2023) Infection control strategies for healthcare workers during COVID-19 pandemic in German hospitals: A cross-sectional study in march-april 2021. *Heliyon*, 9, e14658. ❖
- (45) Marquardt L., Taylor M., Kramer F., **Schmitt K.**, Braus G.H., **Valerius O.** and Thumm M. (2023) Vacuole fragmentation depends on a novel Atg18-containing retromer-complex. *Autophagy*, 19, 278-295. ❖
- (46) Maurus I., Harting R., Herrfurth C., Starke J., Nagel A., Mohnike L., Chen Y.Y., **Schmitt K.**, Bastakis E., Süß M.T., Leonard M., Heimel K., **Valerius O.**, Feussner I., Kronstad

- J.W. and Braus G.H. (2023) *Verticillium dahliae* Vta3 promotes ELV1 virulence factor gene expression in xylem sap, but tames Mtf1-mediated late stages of fungus-plant interactions and microsclerotia formation. *PLoS Pathog*, 19, e1011100. ❖
- (47) Mohnike L., Huang W., Worbs B., **Feussner K.**, Zhang Y. and Feussner I. (2023) N-Hydroxy pipercolic acid methyl ester is involved in Arabidopsis immunity. *J Exp Bot*, 74, 458-471. ❖
- (48) Nagel A., Leonard M., Maurus I., Starke J., **Schmitt K.**, **Valerius O.**, Harting R. and Braus G.H. (2023) The Frq-Frh Complex Light-Dependently Delays Sfl1-Induced Microsclerotia Formation in *Verticillium dahliae*. *J Fungi (Basel)*, 9, 725. ❖
- (49) Nguyen A., Lugarini F., David C., Hosnani P., Alagöz C., Friedrich A., Schlütermann D., Knotkova B., Patel A., Parfentev I., **Urlaub H.**, Meinecke M., Stork B. and Faesen A.C. (2023) Metamorphic proteins at the basis of human autophagy initiation and lipid transfer. *Mol Cell*, 83, 2077-2090 e2012. ❖
- (50) Ni B. and **Feussner K.** (2023) Ex vivo metabolomics-A hypothesis-free approach to identify native substrate(s) and product(s) of orphan enzymes. *Methods Enzymol*, 680, 303-323. ❖
- (51) Pfeifer B., Chereda H., Martin R., Saranti A., Clemens S., Hauschild A.C., **Beissbarth T.**, Holzinger A. and Heider D. (2023) Ensemble-GNN: federated ensemble learning with graph neural networks for disease module discovery and classification. *Bioinformatics*, 39, btad703.
- (52) Pörschke M., Rodríguez-González I., Parfentev I., **Urlaub H.** and Kehlenbach R.H. (2023) Transportin 1 is a major nuclear import receptor of the nitric oxide synthase interacting protein. *J Biol Chem*, 299, 102932. ❖
- (53) Quentin D., Schuhmacher J.S., Klink B.U., Lauer J., Shaikh T.R., Huis In 't Veld P.J., Welp L.M., **Urlaub H.**, Zerial M. and Raunser S. (2023) Structural basis of mRNA binding by the human FERRY Rab5 effector complex. *Mol Cell*, 83, 1856-1871 e1859.
- (54) Rafay A., Aziz M., Zia A. and **Asif A.R.** (2023) Automated Retrieval of Heterogeneous Proteomic Data for Machine Learning. *J Pers Med*, 13, 790. ❖
- (55) Resemann H.C., **Feussner K.**, Hornung E. and Feussner I. (2023) A non-targeted metabolomics analysis identifies wound-induced oxylipins in *Physcomitrium patens*. *Front Plant Sci*, 13, 1085915. ❖
- (56) Rösler W., **Altenbuchinger M.**, Baessler B., **Beissbarth T.**, Beutel G., Bock R., von Bubnoff N., Eckardt J.N., Foersch S., Loeffler C.M.L., Middeke J.M., Mueller M.L., Oellerich T., Risse B., Scherag A., Schliemann C., Scholz M., Spang R., Thielscher C., Tsoukakis I. and Kather J.N. (2023) An overview and a roadmap for artificial intelligence in hematology and oncology. *J Cancer Res Clin Oncol*, 149, 7997-8006.
- (57) Rühlmann F., Hedicke M.S., Engelhardt D., Mackert A.F., Tichelbäcker T., **Leha A.**, Bernhardt M., Ghadimi M., Perl T., Azizian A. and Gaedcke J. (2023) Incidence and impact of new-onset postoperative arrhythmia after surgery of the lower gastrointestinal tract. *Sci Rep*, 13, 1284. ❖
- (58) Saxena K., Roverato N.D., Reithmann M., Mah M.M., Schregle R., Schmidtke G., Silbern I., **Urlaub H.** and Aichele A. (2023) FAT10 is phosphorylated by IKKbeta to inhibit the antiviral type-I interferon response. *Life Sci Alliance*, 7, e202101282.
- (59) Schäfer A.C., Pieper D., **Dihazi H.**, Dihazi G.H., Lüders S., Koziol M.J. and Wallbach M. (2023) Urinary Dickkopf-3 (DKK3) Is Associated with Greater eGFR Loss in Patients with Resistant Hypertension. *J Clin Med*, 12, 1034. ❖

- (60) Scheich S., Chen J., Liu J., Schnütgen F., Enssle J.C., Ceribelli M., Thomas C.J., Choi J., Morris V., Hsiao T., Nguyen H., Wang B., Bolomsky A., Phelan J.D., Corcoran S., **Urlaub H.**, Young R.M., Häupl B., Wright G.W., Huang D.W., Ji Y., Yu X., Xu W., Yang Y., Zhao H., Muppidi J., Pan K.T., Oellerich T. and Staudt L.M. (2023) Targeting N-linked Glycosylation for the Therapy of Aggressive Lymphomas. *Cancer Discov*, 13, 1862-1883.
- (61) Schminke B., Kauffmann P., Brockmeyer P., Miosge N., **Lenz C.** and Schubert A. (2023) The Proteomes of Oral Cells Change during Co-Cultivation with *Aggregatibacter actinomycetemcomitans* and *Eikenella corrodens*. *Biomedicines*, 11, 700. ❖
- (62) Schmitzová J., Cretu C., Dienemann C., **Urlaub H.** and Pena V. (2023) Structural basis of catalytic activation in human splicing. *Nature*, 617, 842-850. ❖
- (63) Schoger E., Bleckwedel F., Germena G., Rocha C., Tucholla P., Sobitov I., Möbius W., Sitte M., **Lenz C.**, Samak M., Hinkel R., Varga Z.V., Giricz Z., Salinas G., Gross J.C. and Zelarayán L.C. (2023) Single-cell transcriptomics reveal extracellular vesicles secretion with a cardiomyocyte proteostasis signature during pathological remodeling. *Commun Biol*, 6, 79. ❖
- (64) Schwermann A.H., Schultz J.A., Fuchs E., **Leha A.**, Hummel J., Kullmer O., Steuer P. and Martin T. (2023) Does age matter?-Efficiency of mechanical food break down in *Tupaia belangeri* at different ages. *PLoS One*, 18, e0274439.
- (65) Shutta K.H., Weighill D., Burkholz R., Guebila M.B., DeMeo D.L., Zacharias H.U., Quackenbush J. and **Altenbuchinger M.** (2023) DRAGON: Determining Regulatory Associations using Graphical models on multi-Omic Networks. *Nucleic Acids Res*, 51, e15. ❖
- (66) Sixel-Döring F., Muntean M.L., Petersone D., **Leha A.**, Lang E., Mollenhauer B. and Trenkwalder C. (2023) The Increasing Prevalence of REM Sleep Behavior Disorder with Parkinson's Disease Progression: A Polysomnography-Supported Study. *Mov Disord Clin Pract*, 10, 1769-1776. ❖
- (67) Treiber H., Nilius-Eliliwi V., Seifert N., Vangala D., Wang M., Seidel S., Mika T., Marschner D., Zeremski V., Wurm-Kuczera R., Caillé L., Chapuy C.I., Trümper L., Fischer T., **Altenbuchinger M.**, Wulf G.G., Illerhaus G., Dietrich S., Schroers R. and Chapuy B. (2023) Treatment Strategies and Prognostic Factors in Secondary Central Nervous System Lymphoma: A Multicenter Study of 124 Patients. *Hemasphere*, 7, e926. ❖
- (68) Wallbach M., Valentova M., Schroeter M.R., Alkabariti A., Iraki I., **Leha A.**, Tampe D., Hasenfuss G., Zeisberg M., Hellenkamp K. and Koziolok M.J. (2023) Intrarenal Doppler ultrasonography in patients with HFrEF and acute decompensated heart failure undergoing recompensation. *Clin Res Cardiol*, 112, 1087-1095. ❖
- (69) Wang H., Schilbach S., Ninov M., **Urlaub H.** and Cramer P. (2023) Structures of transcription preinitiation complex engaged with the +1 nucleosome. *Nat Struct Mol Biol*, 30, 226-232. ❖
- (70) Warth Perez Arias C.C., Silber I., Caldi Gomes L., Wartmann H., Dambeck V., Fanz J., Neuenroth L., Bähr M., Outeiro T.F., Bonn S., Stadelmann-Nessler C., Rizzoli S.O., **Lenz C.**, **Urlaub H.** and Lingor P. (2023) Proteomic analysis of the human hippocampus identifies neuronal pentraxin 1 (NPTX1) as synapto-axonal target in late-stage Parkinson's disease. *J Neurochem*, 166, 862-874. ❖
- (71) Wicke D., Neumann P., Gössringer M., Chernev A., Davydov S., Poehlein A., Daniel R., **Urlaub H.**, Hartmann R.K., Ficner R. and Stülke J. (2023) The previously uncharacterized RnpM (YlxR) protein modulates the activity of ribonuclease P in *Bacillus subtilis* in vitro. *Nucleic Acids Res*, *gkad1171*. ❖

- (72) Witzel J.C., Giessel A., Heppner C., Lamersdorf A., **Leha A.**, Gluer C.C. and Siggelkow H. (2023) Discrepancies Between Osteoporotic Fracture Evaluations in Men Based on German (DVO) Osteoporosis Guidelines or the FRAX Score. *Exp Clin Endocrinol Diabetes*, 131, 114-122. ❖
- (73) Witzemberger M., Burczyk S., Settele D., Mayer W., Welp L.M., Heiss M., Wagner M., Monecke T., Janowski R., Carell T., **Urlaub H.**, Hauck S.M., Voigt A. and Niessing D. (2023) Human TRMT2A methylates tRNA and contributes to translation fidelity. *Nucleic Acids Res*, 51, 8691-8710.
- (74) Wolfram-Schauerte M., Pozhydaieva N., Grawenhoff J., Welp L.M., Silber I., Wulf A., Billau F.A., Glatter T., **Urlaub H.**, Jäschke A. and Höfer K. (2023) A viral ADP-ribosyltransferase attaches RNA chains to host proteins. *Nature*, 620, 1054-1062.
- (75) Yang J., **Beissbarth T.** and Dönitz J. (2023) Onkopipe: A Snakemake Based DNA-Sequencing Pipeline for Clinical Variant Analysis in Precision Medicine. *Stud Health Technol Inform*, 307, 60-68. ❖