

## List of publications 2020

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, M., **Majcherczyk, A.**, Kües, U., Ramírez, L., and Pisabarro, A.G. (2020). Glucose counteracts wood-dependent induction of lignocellulolytic enzyme secretion in monokaryon and dikaryon submerged cultures of the white-rot basidiomycete *Pleurotus ostreatus*. *Sci Rep* 10, 12421.
- (2) Azizian, A., Rühlmann, F., Krause, T., Bernhardt, M., Jo, P., König, A., Kleiss, M., **Leha, A.**, Ghadimi, M., and Gaedcke, J. (2020). CA19-9 for detecting recurrence of pancreatic cancer. *Sci Rep* 10, 1332. ❖
- (3) Backhoff, D., Müller, M.J., Dakna, M., **Leha, A.**, Schneider, H., Krause, U., and Paul, T. (2020). Value of defibrillation threshold testing in children with nontransvenous implantable cardioverter defibrillators: Are routine DFT tests indicated? *Pacing Clin Electrophysiol* 43, 805-813. ❖
- (4) Becker, S., Kiecke, C., Schäfer, E., Sinzig, U., Deuper, L., Trigo-Mourino, P., Griesinger, C., Koch, R., Rydzynska, Z., Chapuy, B., von Bonin, F., Kube, D., Venkataramani, V., Bohnenberger, H., **Leha, A.**, Flach, J., Dierks, S., Bastians, H., Maruschak, B., Bojarczuk, K., Taveira, M. O., Trümper, L., Wulf, G. M., and Wulf, G. G. (2020). Destruction of a Microtubule-Bound MYC Reservoir during Mitosis Contributes to Vincristine's Anticancer Activity. *Mol Cancer Res* 18, 859-872. ❖
- (5) Bergau, P.F.L., Schirmer, M.A., **Leha, A.**, Leu, M., Emons, G., Hess, C.F., and Hille, A. (2020). The impact of rectal/bladder filling and applicator positioning on in vivo rectal dosimetry in vaginal cuff brachytherapy using an enhanced therapy setting. *Brachytherapy* 19, 168-175. ❖
- (6) Bertram, K., El Ayoubi, L., Dybkov, O., Agafonov, D.E., Will, C.L., Hartmuth, K., **Urlaub, H.**, Kastner, B., Stark, H., and Lührmann, R. (2020). Structural Insights into the Roles of Metazoan-Specific Splicing Factors in the Human Step 1 Spliceosome. *Mol Cell* 80, 127-139 e126. ❖
- (7) Blazquez, R., Rietkötter, E., Wenske, B., Wlochowitz, D., Sparrer, D., Vollmer, E., Müller, G., Seegerer, J., Sun, X., Dettmer, K., Barrantes-Freer, A., Stange, L., Utpatel, K., Bleckmann, A., Treiber, H., Bohnenberger, H., **Lenz, C.**, Schulz, M., Reimelt, C., Hackl, C., Grade, M., Büyüktas, D., Siam, L., Balkenhol, M., Stadelmann, C., Kube, D., Krahn, M. P., Proescholdt, M. A., Riemenschneider, M. J., Evert, M., Oefner, P. J., Klein, C. A., Hanisch, U. K., Binder, C., and Pukrop, T. (2020). LEF1 supports metastatic brain colonization by regulating glutathione metabolism and increasing ROS resistance in breast cancer. *Int J Cancer* 146, 3170-3183. ❖
- (8) Bleckmann, A., Kirchner, B., Nietert, M., Peeck, M., Balkenhol, M., Egert, D., Rohde, T.V., **Beissbarth, T.**, and Pukrop, T. (2020). Impact of pre-OP independence in patients with limited brain metastases on long-term survival. *BMC Cancer* 20, 973. ❖
- (9) Daou, R., **Beissbarth, T.**, Wingender, E., Gültas, M., and Haubrock, M. (2020). Constructing temporal regulatory cascades in the context of development and cell differentiation. *PLoS One* 15, e0231326. ❖
- (10) de Assis, L.J., Silva, L.P., Liu, L., **Schmitt, K.**, **Valerius, O.**, Braus, G.H., Ries, L.N.A., and Goldman, G.H. (2020). The High Osmolarity Glycerol Mitogen-Activated Protein

- Kinase regulates glucose catabolite repression in filamentous fungi. *PLoS Genet* 16, e1008996.
- (11) de Vries, J., de Vries, S., Curtis, B.A., Zhou, H., Penny, S., **Feussner, K.**, Pinto, D.M., Steinert, M., Cohen, A.M., von Schwartzberg, K., and Archibald, J. M. (2020). Heat stress response in the closest algal relatives of land plants reveals conserved stress signaling circuits. *Plant J* 103, 1025-1048. ❖
  - (12) Dihazi, G.H., Eltoweissy, M., **Jahn, O.**, Tampe, B., Zeisberg, M., Wülfrath, H.S., Müller, G.A., and **Dihazi, H.** (2020). The Secretome Analysis of Activated Human Renal Fibroblasts Revealed Beneficial Effect of the Modulation of the Secreted Peptidyl-Prolyl Cis-Trans Isomerase A in Kidney Fibrosis. *Cells* 9, 1724. ❖
  - (13) Fang, P., Ji, Y., Silbern, I., Doebele, C., Ninov, M., **Lenz, C.**, Oellerich, T., Pan, K.T., and **Urlaub, H.** (2020). A streamlined pipeline for multiplexed quantitative site-specific N-glycoproteomics. *Nat Commun* 11, 5268. ❖
  - (14) **Feussner, K.**, and Feussner, I. (2020). Ex Vivo Metabolomics: A Powerful Approach for Functional Gene Annotation. *Trends Plant Sci* 25, 829-830. ❖
  - (15) Fichtner, A., Richter, A., Filmar, S., Gaisa, N.T., Schweyer, S., Reis, H., Nettersheim, D., Oing, C., Gayer, F.A., **Leha, A.**, Küffer, S., Ströbel, P., Kaulfuss, S., and Bremmer, F. (2020). The detection of isochromosome i(12p) in malignant germ cell tumours and tumours with somatic malignant transformation by the use of quantitative real-time polymerase chain reaction. *Histopathology* 78, 593-606. ❖
  - (16) Fish, K., Comoglio, F., Shaffer, A.L., 3rd, Ji, Y., Pan, K.T., Scheich, S., Oellerich, A., Doebele, C., Ikeda, M., Schaller, S.J., Nguyen, H., Muppidi, J., Wright, G. W., **Urlaub, H.**, Serve, H., Staudt, L. M., Longnecker, R., and Oellerich, T. (2020). Rewiring of B cell receptor signaling by Epstein-Barr virus LMP2A. *Proc Natl Acad Sci U S A* 117, 26318-26327.
  - (17) Green, K.A., Berry, D., **Feussner, K.**, Eaton, C.J., Ram, A., Mesarich, C.H., Solomon, P., Feussner, I., and Scott, B. (2020). *Lolium perenne* apoplast metabolomics for identification of novel metabolites produced by the symbiotic fungus *Epichloë festucae*. *New Phytol* 227, 559-571.
  - (18) Hamann, F., Schmitt, A., Favretto, F., Hofele, R., Neumann, P., Xiang, S., **Urlaub, H.**, Zweckstetter, M., and Ficner, R. (2020). Structural analysis of the intrinsically disordered splicing factor Spp2 and its binding to the DEAH-box ATPase Prp2. *Proc Natl Acad Sci U S A* 117, 2948-2956. ❖
  - (19) Hanses, U., Kleinsorge, M., Roos, L., Yigit, G., Li, Y., Barbarics, B., El-Battrawy, I., Lan, H., Tiburcy, M., Hindmarsh, R., **Lenz, C.**, Salinas, G., Diecke, S., Müller, C., Adham, I., Altmüller, J., Nürnberg, P., Paul, T., Zimmermann, W. H., Hasenfuss, G., Wollnik, B., and Cyganek, L. (2020). Intronic CRISPR Repair in a Preclinical Model of Noonan Syndrome-Associated Cardiomyopathy. *Circulation* 142, 1059-1076. ❖
  - (20) Hellinger, J.W., Schömel, F., Buse, J.V., **Lenz, C.**, Bauerschmitz, G., Emons, G., and Gründker, C. (2020). Identification of drivers of breast cancer invasion by secretome analysis: insight into CTGF signaling. *Sci Rep* 10, 17889. ❖
  - (21) Horianopoulos, L.C., Hu, G., Caza, M., **Schmitt, K.**, Overby, P., Johnson, J.D., **Valerius, O.**, Braus, G.H., and Kronstad, J.W. (2020). The Novel J-Domain Protein Mrj1 Is Required for Mitochondrial Respiration and Virulence in *Cryptococcus neoformans*. *mBio* 11, e01127-20.
  - (22) **Jahn, O.**, Siems, S.B., Kusch, K., Hesse, D., Jung, R.B., Liepold, T., Uecker, M., Sun, T., and Werner, H.B. (2020). The CNS Myelin Proteome: Deep Profile and Persistence After Post-mortem Delay. *Front Cell Neurosci* 14, 239. ❖

- (23) Klafki, H.W., Rieper, P., Matzen, A., Zampar, S., Wirths, O., Vogelgsang, J., Osterloh, D., Rohdenburg, L., Oberstein, T.J., **Jahn, O.**, Beyer, I., Lachmann, I., Knölker, H. J., and Wiltfang, J. (2020). Development and Technical Validation of an Immunoassay for the Detection of APP669-711 (Abeta-3-40) in Biological Samples. *Int J Mol Sci* 21, 6564. ❖
- (24) Konietzka, J., Fritz, M., Spiri, S., McWhirter, R., **Leha, A.**, Palumbos, S., Costa, W.S., Oranth, A., Gottschalk, A., Miller, D.M., 3rd, Hajnal, A., and Bringmann, H. (2020). Epidermal Growth Factor Signaling Promotes Sleep through a Combined Series and Parallel Neural Circuit. *Curr Biol* 30, 1-16 e13. ❖
- (25) König, T., Reicherts, P., **Leha, A.**, Hrasky, V., and Wiegand, A. (2020). Retrospective study on risk factors for repeated dental treatment of children under general anaesthesia. *Eur J Paediatr Dent* 21, 183-186. ❖
- (26) Königsmann, T., Parfentev, I., **Urlaub, H.**, Riedel, D., and Schuh, R. (2020). The bicistronic gene *wurmchen* encodes two essential components for epithelial development in *Drosophila*. *Dev Biol* 463, 53-62. ❖
- (27) Koziolok, M., Mueller, G.A., Dihazi, G.H., Jung, K., Altubar, C., Wallbach, M., Markovic, I., Raddatz, D., **Jahn, O.**, Karaköse, H., **Lenz, C.**, **Urlaub, H.**, Dihazi, A., El Meziane, A., and **Dihazi, H.** (2020). Urine E-cadherin: A Marker for Early Detection of Kidney Injury in Diabetic Patients. *J Clin Med* 9, 639 ❖
- (28) Kraxner, J., Lorenz, C., Menzel, J., Parfentev, I., Silbern, I., Denz, M., **Urlaub, H.**, Schwappach, B., and Köster, S. (2020). Post-translational modifications soften vimentin intermediate filaments. *Nanoscale* 13, 380-387. ❖
- (29) Kretzschmar, F.K., Doner, N.M., Krawczyk, H.E., Scholz, P., **Schmitt, K.**, **Valerius, O.**, Braus, G.H., Mullen, R.T., and Ischebeck, T. (2020). Identification of Low-Abundance Lipid Droplet Proteins in Seeds and Seedlings. *Plant Physiol* 182, 1326-1345. ❖
- (30) Kwiatkowski, M., **Asif, A.R.**, Schumacher, J., Brenig, B., Zischler, H., and Herlyn, H. (2020). Intra-Protein Coevolution Is Increasingly Functional with Greater Proximity to Fertilization. *Cytogenet Genome Res* 160, 295-308.
- (31) Lavdovskaia, E., Denks, K., Nadler, F., Steube, E., Linden, A., **Urlaub, H.**, Rodnina, M.V., and Richter-Dennerlein, R. (2020). Dual function of GTPBP6 in biogenesis and recycling of human mitochondrial ribosomes. *Nucleic Acids Res* 48, 12929-12942. ❖
- (32) Leitner, A., Bonvin, A., Borchers, C.H., Chalkley, R.J., Chamot-Rooke, J., Combe, C.W., Cox, J., Dong, M.Q., Fischer, L., Götze, M., Gozzo, F. C., Heck, A. J. R., Hoopmann, M. R., Huang, L., Ishihama, Y., Jones, A. R., Kalisman, N., Kohlbacher, O., Mechtler, K., Moritz, R. L., Netz, E., Novak, P., Petrotchenko, E., Sali, A., Scheltema, R. A., Schmidt, C., Schriemer, D., Sinz, A., Sobott, F., Stengel, F., Thalassinou, K., **Urlaub, H.**, Viner, R., Vizcaíno, J. A., Wilkins, M. R., and Rappsilber, J. (2020). Toward Increased Reliability, Transparency, and Accessibility in Cross-linking Mass Spectrometry. *Structure* 28, 1259-1268.
- (33) Leonard, M., Kühn, A., Harting, R., Maurus, I., Nagel, A., Starke, J., Kusch, H., **Valerius, O.**, **Feussner, K.**, Feussner, I., Kaefer, A., Landesfeind, M., Morgenstern, B., Becher, D., Hecker, M., Braus-Stromeyer, S. A., Kronstad, J. W., and Braus, G. H. (2020). *Verticillium longisporum* Elicits Media-Dependent Secretome Responses With Capacity to Distinguish Between Plant-Related Environments. *Front Microbiol* 11, 1876. ❖
- (34) Liess, A.K.L., Kucerova, A., Schweimer, K., Schlesinger, D., Dybkov, O., **Urlaub, H.**, Mansfeld, J., and Lorenz, S. (2020). Dimerization regulates the human APC/C-associated ubiquitin-conjugating enzyme UBE2S. *Sci Signal* 13, eaba8208.

- (35) Linden, A., Deckers, M., Parfentev, I., Pflanz, R., Homberg, B., Neumann, P., Ficner, R., Rehling, P., and **Urlaub, H.** (2020). A Cross-linking Mass Spectrometry Approach Defines Protein Interactions in Yeast Mitochondria. *Mol Cell Proteomics* 19, 1161-1178. ❖
- (36) Lipphardt, M., **Dihazi, H.**, Maas, J.H., Schäfer, A.K., Amlaz, S.I., Ratliff, B.B., Koziolk, M.J., and Wallbach, M. (2020). Syndecan-4 as a Marker of Endothelial Dysfunction in Patients with Resistant Hypertension. *J Clin Med* 9. ❖
- (37) Maass, F., Michalke, B., Willkommen, D., **Leha, A.**, Schulte, C., Tönges, L., Mollenhauer, B., Trenkwalder, C., Rückamp, D., Börger, M., Zerr, I., Bähr, M., and Lingor, P. (2020a). Elemental fingerprint: Reassessment of a cerebrospinal fluid biomarker for Parkinson's disease. *Neurobiol Dis* 134, 104677. ❖
- (38) Maass, F., Rikker, S., Dambeck, V., Warth, C., Tatenhorst, L., Csoti, I., Schmitz, M., Zerr, I., **Leha, A.**, Bähr, M., and Lingor, P. (2020b). Increased alpha-synuclein tear fluid levels in patients with Parkinson's disease. *Sci Rep* 10, 8507. ❖
- (39) Menzel, J., Kownatzki-Danger, D., Tokar, S., Ballone, A., Unthan-Fechner, K., Kilisch, M., **Lenz, C.**, **Urlaub, H.**, Mori, M., Ottmann, C., Shattock, M. J., Lehnart, S. E., and Schwappach, B. (2020). 14-3-3 binding creates a memory of kinase action by stabilizing the modified state of phospholamban. *Sci Signal* 13, eaaz1436 ❖
- (40) Mewes, C., Alexander, T., Büttner, B., Hinz, J., Alpert, A., Popov, A.F., Ghadimi, M., **Beissbarth, T.**, Tzvetkov, M., Grade, M., Quintel, M., Bergmann, I., and Mansur, A. (2020). TIM-3 Genetic Variants Are Associated with Altered Clinical Outcome and Susceptibility to Gram-Positive Infections in Patients with Sepsis. *Int J Mol Sci* 21, 8318. ❖
- (41) Müller, M., James, C., **Lenz, C.**, **Urlaub, H.**, and Kehlenbach, R.H. (2020). Probing the Environment of Emerin by Enhanced Ascorbate Peroxidase 2 (APEX2)-Mediated Proximity Labeling. *Cells* 9, 605. ❖
- (42) Netz, E., Dijkstra, T.M.H., Sachsenberg, T., Zimmermann, L., Walzer, M., Monecke, T., Ficner, R., Dybkov, O., **Urlaub, H.**, and Kohlbacher, O. (2020). OpenPepXL: An Open-Source Tool for Sensitive Identification of Cross-Linked Peptides in XL-MS. *Mol Cell Proteomics* 19, 2157-2167.
- (43) Parfentev, I., Schilbach, S., Cramer, P., and **Urlaub, H.** (2020). An experimentally generated peptide database increases the sensitivity of XL-MS with complex samples. *J Proteomics* 220, 103754. ❖
- (44) Piotrowski, C., Moretti, R., Ihling, C.H., Haedicke, A., Liepold, T., Lipstein, N., Meiler, J., **Jahn, O.**, and Sinz, A. (2020). Delineating the Molecular Basis of the Calmodulin/bMunc13-2 Interaction by Cross-Linking/Mass Spectrometry-Evidence for a Novel CaM Binding Motif in bMunc13-2. *Cells* 9, 136. ❖
- (45) Rinke, S., Bettenhäuser-Hartung, L., **Leha, A.**, Rödiger, M., Schmalz, G., and Ziebolz, D. (2020a). Retrospective evaluation of extended glass-ceramic ceramic laminate veneers after a mean observational period of 10 years. *J Esthet Restor Dent* 32, 487-495. ❖
- (46) Rinke, S., Brandt, A., Hausdoerfer, T., **Leha, A.**, and Ziebolz, D. (2020b). Clinical Evaluation of Chairside-Fabricated Partial Crowns Made of Zirconia- Reinforced Lithium Silicate Ceramic - 2-Year-Results. *Eur J Prosthodont Restor Dent* 28, 36-42. ❖
- (47) Rinke, S., Nordlohne, M., **Leha, A.**, Renvert, S., Schmalz, G., and Ziebolz, D. (2020c). Risk indicators for mucositis and peri-implantitis: results from a practice-based cross-sectional study. *J Periodontal Implant Sci* 50, 183-196. ❖

- (48) Rinke, S., Pfitzenreuter, T., **Leha, A.**, Roediger, M., and Ziebolz, D. (2020d). Clinical evaluation of chairside-fabricated partial crowns composed of zirconia-reinforced lithium silicate ceramics: 3-year results of a prospective practice-based study. *J Esthet Restor Dent* 32, 226-235. ❖
- (49) Ripamonti, S., Shomroni, O., Rhee, J.S., Chowdhury, K., **Jahn, O.**, Hellmann, K.P., Bonn, S., Brose, N., and Tirard, M. (2020). SUMOylation controls the neurodevelopmental function of the transcription factor Zbtb20. *J Neurochem* 154, 647-661. ❖
- (50) Schulze, S., Adams, Z., Cerletti, M., De Castro, R., Ferreira-Cerca, S., Fufezan, C., Giménez, M.I., Hippler, M., Jevtic, Z., Knüppel, R., Legerme, G., **Lenz, C.**, Marchfelder, A., Maupin-Furlow, J., Paggi, R. A., Pfeiffer, F., Poetsch, A., **Urlaub, H.**, and Pohlschroder, M. (2020). The Archaeal Proteome Project advances knowledge about archaeal cell biology through comprehensive proteomics. *Nat Commun* 11, 3145.
- (51) Siems, S.B., **Jahn, O.**, Eichel, M.A., Kannaiyan, N., Wu, L.M.N., Sherman, D.L., Kusch, K., Hesse, D., Jung, R.B., Fledrich, R., Sereda, M. W., Rossner, M. J., Brophy, P. J., and Werner, H. B. (2020). Proteome profile of peripheral myelin in healthy mice and in a neuropathy model. *Elife* 9, e51406. ❖
- (52) Singh, K., Graf, B., Linden, A., Sautner, V., **Urlaub, H.**, Tittmann, K., Stark, H., and Chari, A. (2020). Discovery of a Regulatory Subunit of the Yeast Fatty Acid Synthase. *Cell* 180, 1130-1143 e1120. ❖
- (53) Specht, G., Roetschke, H.P., Mansurkhodzhaev, A., Henklein, P., Textoris-Taube, K., **Urlaub, H.**, Mishto, M., and Liepe, J. (2020). Large database for the analysis and prediction of spliced and non-spliced peptide generation by proteasomes. *Sci Data* 7, 146. ❖
- (54) Sprenger, T., **Beissbarth, T.**, Sauer, R., Tschmelitsch, J., Fietkau, R., Hohenberger, W., Staib, L., Raab, H.R., Rödel, C., and Ghadimi, M. (2020). The long-term influence of hospital and surgeon volume on local control and survival in the randomized German Rectal Cancer Trial CAO/ARO/AIO-94. *Surg Oncol* 35, 200-205. ❖
- (55) Stork, L., Ellenberger, D., Ruprecht, K., Reindl, M., **Beissbarth, T.**, Friede, T., Kümpfel, T., Gerdes, L.A., Gloth, M., Liman, T., Paul, F., Brück, W., and Metz, I. (2020). Antibody signatures in patients with histopathologically defined multiple sclerosis patterns. *Acta Neuropathol* 139, 547-564.
- (56) Stützer, A., Welp, L.M., Raabe, M., Sachsenberg, T., Kappert, C., Wulf, A., Lau, A.M., David, S.S., Chernev, A., Kramer, K., Politis, A., Kohlbacher, O., Fischle, W., and **Urlaub, H.** (2020). Analysis of protein-DNA interactions in chromatin by UV induced cross-linking and mass spectrometry. *Nat Commun* 11, 5250. ❖
- (57) Townsend, C., Leelaram, M.N., Agafonov, D.E., Dybkov, O., Will, C.L., Bertram, K., **Urlaub, H.**, Kastner, B., Stark, H., and Lührmann, R. (2020). Mechanism of protein-guided folding of the active site U2/U6 RNA during spliceosome activation. *Science* 370, eabc3753 ❖
- (58) Uhlig, J., Biggemann, L., Nietert, M.M., **Beissbarth, T.**, Lotz, J., Kim, H.S., Trojan, L., and Uhlig, A. (2020). Discriminating malignant and benign clinical T1 renal masses on computed tomography: A pragmatic radiomics and machine learning approach. *Medicine (Baltimore)* 99, e19725. ❖
- (59) Ukmar-Godec, T., Fang, P., Ibáñez de Opakua, A., Henneberg, F., Godec, A., Pan, K.T., Cima-Omori, M.S., Chari, A., Mandelkow, E., **Urlaub, H.**, and Zweckstetter, M. (2020). Proteasomal degradation of the intrinsically disordered protein tau at single-residue resolution. *Sci Adv* 6, eaba3916. ❖

- (60) Umbach, N., **Beissbarth, T.**, Bleckmann, A., Duttge, G., Flatau, L., König, A., Kuhn, J., Perera-Bel, J., Roschauer, J., Schulze, T.G., Schweda, M., Urban, A., Zimmermann, A., and Sax, U. (2020). Clinical application of genomic high-throughput data: Infrastructural, ethical, legal and psychosocial aspects. *Eur Neuropsychopharmacol* 31, 1-15. ❖
- (61) Vahsen, B.F., Ribas, V.T., Sundermeyer, J., Boecker, A., Dambeck, V., **Lenz, C.**, Shomroni, O., Caldi Gomes, L., Tatenhorst, L., Barski, E., Roser, A. E., Michel, U., **Urlaub, H.**, Salinas, G., Bähr, M., Koch, J. C., and Lingor, P. (2020). Inhibition of the autophagic protein ULK1 attenuates axonal degeneration in vitro and in vivo, enhances translation, and modulates splicing. *Cell Death Differ* 27, 2810-2827. ❖
- (62) Valpadashi, A., Callegari, S., Linden, A., Neumann, P., Ficner, R., **Urlaub, H.**, Deckers, M., and Rehling, P. (2020). Defining the architecture of the human TIM22 complex by chemical crosslinking. *FEBS Lett* 595, 157-168. ❖
- (63) Völkel, S., Hein, S., Benker, N., Pfeifer, F., **Lenz, C.**, and Losensky, G. (2020). How to Cope With Heavy Metal Ions: Cellular and Proteome-Level Stress Response to Divalent Copper and Nickel in *Halobacterium salinarum* R1 Planktonic and Biofilm Cells. *Front Microbiol* 10, 3056.
- (64) Volland, C., Schott, P., Didié, M., Männer, J., Unsöld, B., Toischer, K., Schmidt, C., **Urlaub, H.**, Nickels, K., Knöll, R., Schmidt, A., Guan, K., Hasenfuss, G., and Seidler, T. (2020). Control of p21Cip by BRCA1-associated protein is critical for cardiomyocyte cell cycle progression and survival. *Cardiovasc Res* 116, 592-604. ❖
- (65) Vos, S.M., Farnung, L., Linden, A., **Urlaub, H.**, and Cramer, P. (2020). Structure of complete Pol II-DSIF-PAF-SPT6 transcription complex reveals RTF1 allosteric activation. *Nat Struct Mol Biol* 27, 668-677. ❖
- (66) Wagner, F.R., Dienemann, C., Wang, H., Stützer, A., Tegunov, D., **Urlaub, H.**, and Cramer, P. (2020). Structure of SWI/SNF chromatin remodeller RSC bound to a nucleosome. *Nature* 579, 448-451. ❖
- (67) Wang, H., Dienemann, C., Stützer, A., **Urlaub, H.**, Cheung, A.C.M., and Cramer, P. (2020). Structure of the transcription coactivator SAGA. *Nature* 577, 717-720. ❖
- (68) Wilde, D., Wilken, L., Stamm, B., Blaschke, M., Heppner, C., Chavanon, M.L., **Leha, A.**, Herrmann-Lingen, C., and Siggelkow, H. (2020a). The HPQ-Development and First Administration of a Questionnaire for Hypoparathyroid Patients. *JBMR Plus* 4, e10245. ❖
- (69) Wilde, D., Wilken, L., Stamm, B., Heppner, C., **Leha, A.**, Blaschke, M., Herrmann-Lingen, C., and Siggelkow, H. (2020b). Quantification of Symptom Load by a Disease-Specific Questionnaire HPQ 28 and Analysis of Associated Biochemical Parameters in Patients With Postsurgical Hypoparathyroidism. *JBMR Plus* 4, e10368. ❖
- (70) Yatsenko, A.S., Kucherenko, M.M., Xie, Y., Aweida, D., **Urlaub, H.**, Scheibe, R.J., Cohen, S., and Shcherbata, H.R. (2020). Profiling of the muscle-specific dystroglycan interactome reveals the role of Hippo signaling in muscular dystrophy and age-dependent muscle atrophy. *BMC Med* 18, 8. ❖
- (71) Zhang, Z., Will, C.L., Bertram, K., Dybkov, O., Hartmuth, K., Agafonov, D.E., Hofele, R., **Urlaub, H.**, Kastner, B., Lührmann, R., and Stark, H. (2020). Molecular architecture of the human 17S U2 snRNP. *Nature* 583, 310-313. ❖
- (72) Zheng, X., Zhang, L., Kuang, Y., Venkataramani, V., Jin, F., Hein, K., Zafeiriou, M.P., **Lenz, C.**, Moebius, W., Kilic, E., Hermann, D. M., Weber, M. S., **Urlaub, H.**, Zimmermann, W. H., Bähr, M., and Doeppner, T. R. (2020). Extracellular Vesicles

Derived from Neural Progenitor Cells--a Preclinical Evaluation for Stroke Treatment in Mice. *Transl Stroke Res* 12, 185-203. ❖