

List of publications 2019

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. Akula A.K., Zhang X., Viotti J.S., Nestvogel D., Rhee J.S., Ebrecht R., Reim K., Wouters F., Liepold T., **Jahn O.**, Bogeski I. & Dresbach T. (2019) The Calmodulin Binding Region of the Synaptic Vesicle Protein Mover Is Required for Homomeric Interaction and Presynaptic Targeting. *Front Mol Neurosci*, 12, 249. ❖
2. Alevra M., Mandad S., Ischebeck T., **Urlaub H.**, Rizzoli S.O. & Fornasiero E.F. (2019) A mass spectrometry workflow for measuring protein turnover rates in vivo. *Nat Protoc*, 14, 3333-3365. ❖
3. Alsina K.M., Hulsurkar M., Brandenburg S., Kownatzki-Danger D., **Lenz C.**, **Urlaub H.**, Abu-Taha I., Kamler M., Chiang D.Y., Lahiri S.K., Reynolds J.O., Quick A.P., Scott L., Jr., Word T.A., Gelves M.D., Heck A.J.R., Li N., Dobrev D., Lehnart S.E. & Wehrens X.H.T. (2019) Loss of Protein Phosphatase 1 Regulatory Subunit PPP1R3A Promotes Atrial Fibrillation. *Circulation*, 140, 681-693.
4. Ayoubi L.E., Dumay-Odelot H., Chernev A., Boissier F., Minvielle-Sebastia L., **Urlaub H.**, Fribourg S. & Teichmann M. (2019) The hRPC62 subunit of human RNA polymerase III displays helicase activity. *Nucleic Acids Res*, 47, 10313-10326. ❖
5. Bardetti P., Castanheira S.M., **Valerius O.**, Braus G.H. & Perez-Martin J. (2019) Cytoplasmic retention and degradation of a mitotic inducer enable plant infection by a pathogenic fungus. *Elife*, 8.
6. Bergau P.F.L., Schirmer M.A., **Leha A.**, Leu M., Emons G., Hess C.F. & Hille A. (2019) The impact of rectal/bladder filling and applicator positioning on in vivo rectal dosimetry in vaginal cuff brachytherapy using an enhanced therapy setting. *Brachytherapy*. ❖
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. & Pukrop T. (2019) LEF1 supports metastatic brain colonization by regulating glutathione metabolism and increasing ROS resistance in breast cancer. *Int J Cancer*.
8. Boerger M., Funke S., **Leha A.**, Roser A.E., Wuestemann A.K., Maass F., Bähr M., Grus F. & Lingor P. (2019) Proteomic analysis of tear fluid reveals disease-specific patterns in patients with Parkinson's disease - A pilot study. *Parkinsonism Relat Disord*, 63, 3-9. ❖
9. Bremmer F., Bohnenberger H., Küffer S., Oellerich T., Serve H., **Urlaub H.**, Strauss A., Maatoug Y., Behnes C.L., Oing C., Radzun H.J., Ströbel P., Balabanov S. & Honecker F. (2019) Proteomic Comparison of Malignant Human Germ Cell Tumor Cell Lines. *Dis Markers*, 2019, 8298524. ❖
10. Bui T.T., Harting R., Braus-Stromeyer S.A., Tran V.T., Leonard M., Höfer A., Abelman A., Bakti F., **Valerius O.**, Schlüter R., Stanley C.E., Ambrósio A. & Braus G.H. (2019) *Verticillium dahliae* transcription factors Som1 and Vta3 control microsclerotia formation and sequential steps of plant root penetration and colonisation to induce disease. *New Phytol*, 221, 2138-2159. ❖

11. Callegari S., Müller T., Schulz C., **Lenz C.**, Jans D.C., Wissel M., Opazo F., Rizzoli S.O., Jakobs S., **Urlaub H.**, Rehling P. & Deckers M. (2019) A MICOS-TIM22 Association Promotes Carrier Import into Human Mitochondria. *J Mol Biol*, 431, 2835-2851. ❖
12. Chachami G., Stankovic-Valentin N., Karagiota A., Basagianni A., Plessmann U., **Urlaub H.**, Melchior F. & Simos G. (2019) Hypoxia-induced Changes in SUMO Conjugation Affect Transcriptional Regulation Under Low Oxygen. *Mol Cell Proteomics*, 18, 1197-1209.
13. Chereda H., Bleckmann A., Kramer F., **Leha A.** & **Beissbarth T.** (2019) Utilizing Molecular Network Information via Graph Convolutional Neural Networks to Predict Metastatic Event in Breast Cancer. *Stud Health Technol Inform*, 267, 181-186. ❖
14. Conradi L.C., Spitzner M., Metzger A.L., Kisly M., Middel P., Bohnenberger H., Gaedcke J., Ghadimi M.B., Liersch T., Rüschoff J., **Beissbarth T.**, König A. & Grade M. (2019) Combined targeting of HER-2 and HER-3 represents a promising therapeutic strategy in colorectal cancer. *BMC Cancer*, 19, 880. ❖
15. Coy-Vergara J., Rivera-Monroy J., **Urlaub H.**, **Lenz C.** & Schwappach B. (2019) A trap mutant reveals the physiological client spectrum of TRC40. *J Cell Sci*, 132. ❖
16. Diefenhardt M., Hofheinz R.D., Martin D., **Beissbarth T.**, Arnold D., Hartmann A., von der Grün J., Grützmann R., Liersch T., Ströbel P., Grabenbauer G.G., Rieger M., Fietkau R., Graeven U., Weitz J., Folprecht G., Ghadimi M., Rodel F., Rodel C. & Fokas E. (2019) Leukocytosis and neutrophilia as independent prognostic immunological biomarkers for clinical outcome in the CAO/ARO/AIO-04 randomized phase 3 rectal cancer trial. *Int J Cancer*, 145, 2282-2291.
17. Eidizadeh A., **Asif A.R.**, von Ahsen N., Binder L. & Schnelle M. (2019) Differences in procalcitonin measurements between three BRAHMS-partnered immunoassays (Liaison, Elecsys and Architect). *Clin Chem Lab Med*, 57, e207-e210. ❖
18. Erdmann J., Thöming J.G., Pohl S., Pich A., **Lenz C.** & Häussler S. (2019) The Core Proteome of Biofilm-Grown Clinical *Pseudomonas aeruginosa* Isolates. *Cells*, 8.
19. Erwig M.S., Hesse D., Jung R.B., Uecker M., Kusch K., Tenzer S., **Jahn O.** & Werner H.B. (2019) Myelin: Methods for purification and proteome analysis. *Methods in Molecular Biology*, 1936, 37-63. ❖
20. Erwig M.S., Patzig J., Steyer A.M., Dibaj P., Heilmann M., Heilmann I., Jung R.B., Kusch K., Mobius W., **Jahn O.**, Nave K.A. & Werner H.B. (2019) Anillin facilitates septin assembly to prevent pathological unfoldings of central nervous system myelin. *Elife*, 8. ❖
21. **Feussner K.** & Feussner I. (2019) Comprehensive LC-MS-Based Metabolite Fingerprinting Approach for Plant and Fungal-Derived Samples. *Methods Mol Biol*, 1978, 167-185. ❖
22. Garofalo R., Wohlgemuth I., Pearson M., **Lenz C.**, **Urlaub H.** & Rodnina M.V. (2019) Broad range of missense error frequencies in cellular proteins. *Nucleic Acids Res*, 47, 2932-2945. ❖
23. Götz M.R., Collado J.A., Fernández-Ruiz J., Fiebich B.L., García-Toscano L., Gómez-Cañas M., Koch O., **Leha A.**, Muñoz E., Navarrete C., Pazos M.R. & Holzgrave U. (2019) Structure-Effect Relationships of Novel Semi-Synthetic Cannabinoid Derivatives. *Front Pharmacol*, 10, 1284.
24. Gowravaram M., Schwarz J., Khilji S.K., **Urlaub H.** & Chakrabarti S. (2019) Insights into the assembly and architecture of a Staufen-mediated mRNA decay (SMD)-competent mRNP. *Nat Commun*, 10, 5054.

25. Grimm C., Hillen H.S., Bedenk K., Bartuli J., Neyer S., Zhang Q., Hüttenhofer A., Erlacher M., Dienemann C., Schlosser A., **Urlaub H.**, Böttcher B., Szalay A.A., Cramer P. & Fischer U. (2019) Structural Basis of Poxvirus Transcription: Vaccinia RNA Polymerase Complexes. *Cell*, 179, 1537-1550 e1519.
26. Haroth S., **Feussner K.**, Kelly A.A., Zienkiewicz K., Shaikhqasem A., Herrfurth C. & Feussner I. (2019) The glycosyltransferase UGT76E1 significantly contributes to 12-O-glucopyranosyl-jasmonic acid formation in wounded *Arabidopsis thaliana* leaves. *J Biol Chem*, 294, 9858-9872. ❖
27. Häupl B., **Urlaub H.** & Oellerich T. (2019) Phosphoproteomic Analysis of Signaling Pathways in Lymphomas. *Methods Mol Biol*, 1956, 371-381.
28. Hoffmann J.C., Patschan D., **Dihazi H.**, Müller C., Schwarze K., Henze E., Ritter O., Müller G.A. & Patschan S. (2019) Cytokine profiling in anti neutrophil cytoplasmic antibody-associated vasculitis: a cross-sectional cohort study. *Rheumatol Int*, 39, 1907-1917. ❖
29. Hornung K., Zampar S., Engel N., Klafki H., Liepold T., Bayer T.A., Wiltfang J., **Jahn O.** & Wirths O. (2019) N-Terminal Truncated A β 4-42 Is a Substrate for Neprilysin Degradation in vitro and in vivo. *J Alzheimers Dis*, 67, 849-858. ❖
30. James C., Müller M., Goldberg M.W., **Lenz C.**, **Urlaub H.** & Kehlenbach R.H. (2019) Proteomic mapping by rapamycin-dependent targeting of APEX2 identifies binding partners of VAPB at the inner nuclear membrane. *J Biol Chem*, 294, 16241-16254. ❖
31. Jevtic Z., Stoll B., Pfeiffer F., Sharma K., **Urlaub H.**, Marchfelder A. & **Lenz C.** (2019) The Response of *Haloferox volcanii* to Salt and Temperature Stress: A Proteome Study by Label-Free Mass Spectrometry. *Proteomics*, 19, e1800491. ❖
32. Joseph S., Vingill S., **Jahn O.**, Fledrich R., Werner H.B., Katona I., Möbius W., Mitkovski M., Huang Y., Weis J., Sereda M.W., Schulz J.B., Nave K.A. & Stegmüller J. (2019) Myelinating Glia-Specific Deletion of Fbxo7 in Mice Triggers Axonal Degeneration in the Central Nervous System Together with Peripheral Neuropathy. *J Neurosci*, 39, 5606-5626. ❖
33. Köhler A.M., Harting R., Langeneckert A.E., **Valerius O.**, Gerke J., Meister C., Strohdiek A. & Braus G.H. (2019) Integration of Fungus-Specific CandA-C1 into a Trimeric CandA Complex Allowed Splitting of the Gene for the Conserved Receptor Exchange Factor of CullinA E3 Ubiquitin Ligases in Aspergilli. *mBio*, 10. ❖
34. Kopic G., Chernev A., Tegunov D., Dienemann C., **Urlaub H.** & Cramer P. (2019) Structural basis of TFIIH activation for nucleotide excision repair. *Nat Commun*, 10, 2885. ❖
35. 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. & Bringmann H. (2019) Epidermal Growth Factor Signaling Promotes Sleep through a Combined Series and Parallel Neural Circuit. *Curr Biol*, 30, 1-16 e13. ❖
36. Kretzschmar F.K., Doner N., Krawczyk H.E., Scholz P., **Schmitt K.**, **Valerius O.**, Braus G., Mullen R.T. & Ischebeck T. (2019) Identification of low-abundant lipid droplet proteins in seeds and seedlings. *Plant Physiol*. ❖
37. **Leha A.**, Hellenkamp K., Unsöld B., Mushemi-Blake S., Shah A.M., Hasenfuß G. & Seidler T. (2019) A machine learning approach for the prediction of pulmonary hypertension. *PLoS One*, 14, e0224453. ❖
38. **Lenz C.** (2019) Identification of Protein Phosphorylation Sites by Advanced LC-ESI-MS/MS Methods. *Methods Mol Biol*, 1934, 163-178. ❖

39. Liess A.K.L., Kucerova A., Schweimer K., Yu L., Roumeliotis T.I., Diebold M., Dybkov O., Sottriffer C., **Urlaub H.**, Choudhary J.S., Mansfeld J. & Lorenz S. (2019) Autoinhibition Mechanism of the Ubiquitin-Conjugating Enzyme UBE2S by Autoubiquitination. *Structure*, 27, 1195-1210 e1197.
40. Lingor P., Weber M., Camu W., Friede T., Hilgers R., **Leha A.**, Neuwirth C., Günther R., Benatar M., Kuzma-Kozakiewicz M., Bidner H., Blankenstein C., Frontini R., Ludolph A. & Koch J.C. (2019) ROCK-ALS: Protocol for a Randomized, Placebo-Controlled, Double-Blind Phase IIa Trial of Safety, Tolerability and Efficacy of the Rho Kinase (ROCK) Inhibitor Fasudil in Amyotrophic Lateral Sclerosis. *Front Neurol*, 10, 293. ❖
41. Lipphardt M., **Dihazi H.**, Jeon N.L., Dadafarin S., Ratliff B.B., Rowe D.W., Müller G.A. & Goligorsky M.S. (2019) Dickkopf-3 in aberrant endothelial secretome triggers renal fibroblast activation and endothelial-mesenchymal transition. *Nephrol Dial Transplant*, 34, 49-62. ❖
42. López-Murcia F.J., Reim K., **Jahn O.**, Taschenberger H. & Brose N. (2019) Acute Complexin Knockout Abates Spontaneous and Evoked Transmitter Release. *Cell Rep*, 26, 2521-2530 e2525. ❖
43. Maass F., Michalke B., Willkommen D., **Leha A.**, Schulte C., Tönges L., Mollenhauer B., Trenkwalder C., Ruckamp D., Borger M., Zerr I., Bähr M. & Lingor P. (2019) Elemental fingerprint: Reassessment of a cerebrospinal fluid biomarker for Parkinson's disease. *Neurobiol Dis*, 134, 104677. ❖
44. Maier L.K., Stachler A.E., Brendel J., Stoll B., Fischer S., Haas K.A., Schwarz T.S., Alkhnabashi O.S., Sharma K., **Urlaub H.**, Backofen R., Gophna U. & Marchfelder A. (2019) The nuts and bolts of the Haloferax CRISPR-Cas system I-B. *RNA Biol*, 16, 469-480.
45. Mariappan A., Soni K., Schorpp K., Zhao F., Minakar A., Zheng X., Mandad S., Macheleidt I., Ramani A., Kubelka T., Dawidowski M., Golfmann K., Wason A., Yang C., Simons J., Schmalz H.G., Hyman A.A., Aneja R., Ullrich R., **Urlaub H.**, Odenthal M., Büttner R., Li H., Sattler M., Hadian K. & Gopalakrishnan J. (2019) Inhibition of CPAP-tubulin interaction prevents proliferation of centrosome-amplified cancer cells. *EMBO J*, 38.
46. Masanta W.O., Zautner A.E., Lugert R., Bohne W., Gross U., **Leha A.**, Dakna M. & **Lenz C.** (2019) Proteome Profiling by Label-Free Mass Spectrometry Reveals Differentiated Response of *Campylobacter jejuni* 81-176 to Sublethal Concentrations of Bile Acids. *Proteomics Clin Appl*, 13, e1800083. ❖
47. Meister C., Thieme K.G., Thieme S., Köhler A.M., **Schmitt K.**, **Valerius O.** & Braus G.H. (2019) COP9 Signalosome Interaction with UspA/Usp15 Deubiquitinase Controls VeA-Mediated Fungal Multicellular Development. *Biomolecules*, 9. ❖
48. Mewes C., Böhnke C., Alexander T., Büttner B., Hinz J., Popov A.F., Ghadimi M., **Beissbarth T.**, Raddatz D., Meissner K., Quintel M., Bergmann I. & Mansur A. (2019) Favorable 90-Day Mortality in Obese Caucasian Patients with Septic Shock According to the Sepsis-3 Definition. *J Clin Med*, 9. ❖
49. Mewes C., Büttner B., Hinz J., Alpert A., Popov A.F., Ghadimi M., **Beissbarth T.**, Tzvetkov M., Jensen O., Runzheimer J., Quintel M., Shen-Orr S., Bergmann I. & Mansur A. (2019) CTLA-4 Genetic Variants Predict Survival in Patients with Sepsis. *J Clin Med*, 8. ❖
50. Michels B.E., Mosa M.H., Grebbin B.M., Yepes D., Darvishi T., Hausmann J., **Urlaub H.**, Zeuzem S., Kvasnicka H.M., Oellerich T. & Farin H.F. (2019) Human colon

organoids reveal distinct physiologic and oncogenic Wnt responses. *J Exp Med*, 216, 704-720.

51. Mishto M., Mansurkhodzhaev A., Ying G., Bitra A., Cordfunke R.A., Henze S., Paul D., Sidney J., **Urlaub H.**, Neefjes J., Sette A., Zajonc D.M. & Liepe J. (2019) An in silico-in vitro Pipeline Identifying an HLA-A(*)02:01(+) KRAS G12V(+) Spliced Epitope Candidate for a Broad Tumor-Immune Response in Cancer Patients. *Front Immunol*, 10, 2572. ❖
52. Özcan A., Pausch P., Linden A., Wulf A., Schühle K., Heider J., **Urlaub H.**, Heimerl T., Bange G. & Randau L. (2019) Type IV CRISPR RNA processing and effector complex formation in *Aromatoleum aromaticum*. *Nat Microbiol*, 4, 89-96.
53. Papathanasiou P., Erdmann S., Leon-Sobrinho C., Sharma K., **Urlaub H.**, Garrett R.A. & Peng X. (2019) Stable maintenance of the rudivirus SIRV3 in a carrier state in *Sulfolobus islandicus* despite activation of the CRISPR-Cas immune response by a second virus SMV1. *RNA Biol*, 16, 557-565.
54. Pringsheim M., Mitter D., Schröder S., Warthemann R., Plümacher K., Kluger G., Baethmann M., Bast T., Braun S., Büttel H.M., Conover E., Courage C., Datta A.N., Eger A., Grebe T.A., Hasse-Wittmer A., Heruth M., Höft K., Kaindl A.M., Karch S., Kautzky T., Korenke G.C., Kruse B., Lutz R.E., Omeran H., Patzer S., Philippi H., Ramsey K., Rating T., Riess A., Schimmel M., Westman R., Zech F.M., Zirn B., Ulmke P.A., Sokpor G., Tuoc T., **Leha A.**, Staudt M. & Brockmann K. (2019) Structural brain anomalies in patients with FOXG1 syndrome and in *Foxg1*^{+/-} mice. *Ann Clin Transl Neurol*, 6, 655-668. ❖
55. Rekhter D., Lüdke D., Ding Y., **Feussner K.**, Zienkiewicz K., Lipka V., Wiermer M., Zhang Y. & Feussner I. (2019) Isochorismate-derived biosynthesis of the plant stress hormone salicylic acid. *Science*, 365, 498-502. ❖
56. Richter F., Dennerlein S., Nikolov M., Jans D.C., Naumenko N., Aich A., MacVicar T., Linden A., Jakobs S., **Urlaub H.**, Langer T. & Rehling P. (2019) ROMO1 is a constituent of the human presequence translocase required for YME1L protease import. *J Cell Biol*, 218, 598-614. ❖
57. Rinke S., Pfitzenreuter T., **Leha A.**, Roediger M. & Ziebolz D. (2019) 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*. ❖
58. Rühlmann F., Windhof-Jaidhauser I.M., Menze C., **Beissbarth T.**, Bohnenberger H., Ghadimi M. & Dango S. (2019) The prognostic capacities of CBP and p300 in locally advanced rectal cancer. *World J Surg Oncol*, 17, 224. ❖
59. Runzheimer J., Mewes C., Büttner B., Hinz J., Popov A.F., Ghadimi M., Kristof K., **Beissbarth T.**, Schamroth J., Tzvetkov M., Schmack B., Quintel M., Bergmann I. & Mansur A. (2019) Lack of an Association between the Functional Polymorphism TREM-1 rs2234237 and the Clinical Course of Sepsis among Critically Ill Caucasian Patients- A Monocentric Prospective Genetic Association Study. *J Clin Med*, 8. ❖
60. Schiwitza A., Schildhaus H.U., Zwerger B., Rüschoff J., Reinhardt C., **Leha A.**, Andreas S. & Rittmeyer A. (2019) Monitoring efficacy of checkpoint inhibitor therapy in patients with non-small-cell lung cancer. *Immunotherapy*, 11, 769-782. ❖
61. **Schmitt K.** & **Valerius O.** (2019) yRACK1/Asc1 proxiOMICs-Towards Illuminating Ships Passing in the Night. *Cells*, 8. ❖
62. Scholz N., Ehmann N., Sachidanandan D., Imig C., Cooper B.H., **Jahn O.**, Reim K., Brose N., Meyer J., Lamberty M., Altrichter S., Bormann A., Hallermann, S., Pauli, M.,

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63. Schroeder M.P., Bastian L., Eckert C., Gökbüget N., James A.R., Tanchez J.O., Schlee C., Isaakidis K., Häupl B., Baum K., Migueles Lozano O.A., Kouidri K., Pan K.T., **Urlaub H.**, Schwartz S., Burmeister T., von Stackelberg A., Hoelzer D., Pfeiffer H., Rieger M.A., Gollner S., Oellerich T., Horstman M., Schrappe M., Wolf J., Kirschner-Schwabe R., Bruggemann M., Müller-Tidow C., Serve H., Neumann M. & Baldus C.D. (2019) Integrated analysis of relapsed B-cell precursor Acute Lymphoblastic Leukemia identifies subtype-specific cytokine and metabolic signatures. *Sci Rep*, 9, 4188.
64. Schulze M., Geisler L., **Majcherczyk A.** & Rühl M. (2019) Signal peptide replacement resulted in recombinant homologous expression of laccase Lcc8 in *Coprinopsis cinerea*. *AMB Express*, 9, 36.
65. Sitte M., Menck K., Wachter A., Reinz E., Korf U., Wiemann S., Bleckmann A. & **Beissbarth T.** (2019) Reconstruction of Different Modes of WNT Dependent Protein Networks from Time Series Protein Quantification. *Stud Health Technol Inform*, 267, 175-180. ❖
66. Sondermann J.R., Barry A.M., **Jahn O.**, Michel N., Abdelaziz R., Kügler S., Gomez-Varela D. & Schmidt M. (2019) Vti1b promotes TRPV1 sensitization during inflammatory pain. *Pain*, 160, 508-527. ❖
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68. 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. & Sax U. (2019) Clinical application of genomic high-throughput data: Infrastructural, ethical, legal and psychosocial aspects. *Eur Neuropsychopharmacol*, 31, 1-15. ❖
69. **Valerius O.**, **Asif A.R.**, **Beissbarth T.**, **Bohrer R.**, **Dihazi H.**, **Feussner K.**, **Jahn O.**, **Majcherczyk A.**, **Schmidt B.**, **Schmitt K.**, **Urlaub H.** & **Lenz C.** (2019) Mapping Cellular Microenvironments: Proximity Labeling and Complexome Profiling (Seventh Symposium of the Gottingen Proteomics Forum). *Cells*, 8. ❖
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72. Werner A., Herzog B., Voigt O., **Valerius O.**, Braus G.H. & Pöggeler S. (2019) NBR1 is involved in selective pexophagy in filamentous ascomycetes and can be functionally replaced by a tagged version of its human homolog. *Autophagy*, 15, 78-97. ❖
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75. Yagensky O., Kohansal-Nodehi M., Gunaseelan S., Rabe T., Zafar S., Zerr I., Härtig W., **Urlaub H.** & Chua J.J. (2019) Increased expression of heme-binding protein 1 early in Alzheimer's disease is linked to neurotoxicity. *Elife*, 8. ❖