

Full Publication List (February 2024, 1-205)

2024

Da Silva Andre, G., Paganella, L.G., Badolato, A., **Sander, S.**, Giampietro, C., Tibbitt, M.W., **Dengjel, J.**, and Labouesse, C. (2024). Protein Isolation from 3D Hydrogel Scaffolds. **Curr Protoc** 4, e966.

Maas-Bauer, K., Stell, A.V., Yan, K.L., de Vega, E., Vinnakota, J.M., Unger, S., Nunez, N., Norona, J., Talvard-Balland, N., Kossmann, S., et al. (2024). ROCK1/2 signaling contributes to corticosteroid-refractory acute graft-versus-host disease. **Nat Commun** 15, 446.

Mandhair, H.K., Radpour, R., Westerhuis, M., Banz, Y., Humbert, M., Arambasic, M., **Dengjel, J.**, Davies, A., Tschan, M.P., and Novak, U. (2024). Analysis of autophagy in DLBCL reveals subtype-specific differences and the preferential targeting of ULK1 inhibition in GCB-DLBCL provides a rationale as a new therapeutic approach. **Leukemia in press**.

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Akkoc, Y., Dalci, K., Karakas, H.E., Erbil-Bilir, S., Yalav, O., Sakman, G., Celik, F., Arikan, S., Zeybek, U., Ergin, M., et al. (2023). Tumor-derived CTF1 (cardiotrophin 1) is a critical mediator of stroma-assisted and autophagy-dependent breast cancer cell migration, invasion and metastasis. **Autophagy** 19, 306-323.

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Faienza, F., Polverino, F., Rajendraprasad, G., Milletti, G., Hu, Z., Colella, B., Gargano, D., Strappazzon, F., Rizza, S., Vistesen, M.V., et al. (2023). AMBRA1 phosphorylation by CDK1 and PLK1 regulates mitotic spindle orientation. **Cell Mol Life Sci** 80, 251.

Kallergi, E., **Siva Sankar, D.**, Matera, A., Kolaxi, A., Paolicelli, R.C., **Dengjel, J.**, and Nikoletopoulou, V. (2023). Profiling of purified autophagic vesicle degradome in the maturing and aging brain. **Neuron** 111, 2329-2347 e2327.

Kolitsida, P., Nolic, V., **Zhou, J.**, **Stumpe, M.**, Niemi, N.M., **Dengjel, J.**, and Abeliovich, H. (2023). The pyruvate dehydrogenase complex regulates mitophagic trafficking and protein phosphorylation. **Life Sci Alliance** 6.

Krivitsky, V., Krivitsky, A., Mantella, V., Ben-Yehuda Greenwald, M., **Sankar, D.S.**, Betschmann, J., Bader, J., Zoratto, N., Schreier, K., Feiss, S., et al. (2023). Ultrafast and Controlled Capturing, Loading, and Release of Extracellular Vesicles by a Portable Microstructured Electrochemical Fluidic Device. **Adv Mater** 35, e2212000.

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Pena-Francesch, M., Vanoaica, L.D., Zhu, G.F., **Stumpe, M.**, **Sankar, D.S.**, Nowag, H., Valencia-Camargo, A.D., Hammerschmidt, W., **Dengjel, J.**, Ligeon, L.A., et al. (2023). The autophagy machinery interacts with EBV capsids during viral envelope release. **Proc Natl Acad Sci U S A** 120, e2211281120.

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Demirbag-Sarikaya, S., Akkoc, Y., Turgut, S., Erbil-Bilir, S., Kocaturk, N.M., **Dengjel, J.**, and Gozuacik, D. (2022). A novel ATG5 interaction with Ku70 potentiates DNA repair upon genotoxic stress. **Sci Rep** 12, 8134.

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Siva Sankar, D., **Hu, Z.**, and **Dengjel, J.** (2022). The complex interplay between ULK1 and protein phosphatases in autophagy regulation. **Autophagy** 18, 455-456.

Strohm, L., **Hu, Z.**, Suk, Y., Ruhmkorf, A., Sternburg, E., Gattringer, V., Riemschneider, H., Berutti, R., Graf, E., Weishaupt, J.H., Brill, M.S., Harbauer, A.B., Dormann, D., **Dengjel, J.**, Edbauer, D., and Behrends, C. (2022). Multi-omics profiling identifies a deregulated FUS-MAP1B axis in ALS/FTD-associated UBQLN2 mutants. **Life Sci Alliance** 5.

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Hu Z, **Sankar DS**, **Vu B**, **Leytens A**, **Vionnet C**, Wu W, **Stumpe M**, **Martinez-Martinez E**, Stork B, **Dengjel J** (2021) ULK1 phosphorylation of striatin activates protein phosphatase 2A and autophagy. **Cell Rep** 36: 109762

Lahiri V, Metur SP, **Hu Z**, Song X, Mari M, Hawkins WD, Bhattacharai J, Delorme-Axford E, Reggiori F, Tang D, **Dengjel J**, Klionsky DJ (2021) Post-transcriptional regulation of ATG1 is a critical node that modulates autophagy during distinct nutrient stresses. **Autophagy**: 1-21

Manganelli V, Matarrese P, **Antonioli M**, Gambardella L, Vescovo T, Gretzmeier C, Longo A, Capozzi A, Recalchi S, Riitano G, Misasi R, **Dengjel J**, Malorni W, Fimia GM, Sorice M, Garofalo T (2021) Raft-like lipid microdomains drive autophagy initiation via AMBRA1-ERLIN1 molecular association within MAMs. **Autophagy** 17: 2528-2548

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