

List of Publications

Martin Eilers

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Original articles

Haikala, H.M., Klefström, J., *Eilers, M.*, and Wiese, K.W. (2015). Repression of lineage-specific gene signatures contributes to MYC-induced apoptosis in mammary epithelial cells. *Cell Cycle in press*.

Vo, B.T., Wolf, E., Kawauchi, D., Gebhardt, A., Rehg, J.E., Finkelstein, D., Walz, S., Murphy, B.L., Youn, Y.H., Han, Y.G. *Eilers, M.*, Roussel, M.F. (2016) The interaction of Myc with Miz1 defines medulloblastoma subgroup identity. *Cancer Cell*, 29:5-16.

Jaenicke, L.A., von Eyss, B., Carstensen, A., Wolf, E., Xu, W., Greifenberg, A., Geyer, M., *Eilers, M.*, and Popov, N. (2015). Ubiquitin-dependent turnover of MYC antagonizes MYC/PAF1C complex accumulation to drive transcriptional elongation. *Molecular Cell*, 61:54-67.

von Eyss, B., Jaenicke, L.A., Kortlever, R.M., Royla, N., Wiese, K.E., Letschert, L., McDuffus, L.A., Sauer, M., Rosenwald, A., Evan, G.I., Kempa, S., and *Eilers, M.* (2015) A MYC-driven change in mitochondrial dynamics limits YAP/TAZ function in mammary epithelial cells and breast cancer. *Cancer Cell*, 28:743-57.

Elkon, R., Puch, F., Korkomaz, G., Lopes, R., van Breugel, P., Bleijerveld, O., Wolf, E., Altelaar, M., *Eilers, M.*, and Agami, R. (2015) MYC coordinates extensive gene transcription and protein translation responses. *EMBO Reports* pii: e201540717.

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Wiegering, A. Uthe, F.W., Jamieson, T., Ruoss, Y., Hüttenrauch, M., Küspert, M., Pfann, C., Nixon C., Herold, S., Walz, S., Taranets, L., Germer, C.T., Rosenwald, A., Sansom, O.J. and *Eilers, M.* (2015) Targeting translation initiation bypasses signaling crosstalk mechanisms that maintain high MYC levels in colorectal cancer. *Cancer Discovery*, 5:768-81.

Wiese, K.E., Haikala, H.M., von Eyss, B., Wolf, E., Esnault, C., Rosenwald, A., Treisman, R., Klefstrom, J., and *Eilers, M.* (2015) Repression of SRF target genes is critical for Myc-dependent apoptosis of epithelial cells. *EMBO J.* 34:1554-71.

Diefenbacher, M.E., Atanu Chakraborty, Blake, S.M., Mitte, R., Popov, N., *Eilers, M.* and Behrens, A. (2015) Usp28 counteracts Fbw7 in intestinal homeostasis and cancer. *Cancer Research* 75:1181-6.

Weber, D., Heisig, J., Kneitz, S., Wolf, E., *Eilers, M.*, Gessler, M. (2015) Mechanisms of epigenetic and celltype specific regulation of Hey target genes in ES cells and cardiomyocytes. *Journal of Molecular and Cellular Cardiology* 79:79-88.

Schülein-Völk, C., Wolf, E., Zhu, J., Xu, W., Taranets, L., Hellmann, A., Jänicke, L.A., Diefenbacher, M.E., Behrens, A., *Eilers, M.* and Popov, M. (2014) Dual regulation of Fbw7 function and oncogenic transformation by Usp28. *Cell Reports* 9:1099-109.

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