Selected publications

Peter Refsing Andersen

1. ElMaghraby, M. F.*, **Andersen, P. R.*#**, Pühringer, F., Hohmann, U., Meixner, K., Lendl, T., Tirian, L. & Brennecke, J.# A Heterochromatin-Specific RNA Export Pathway Facilitates piRNA Production. Cell 178, 4, p. 964-979.e20 (2019)

2. **Andersen, P. R.#**, Tirian, L., Vunjak, M. & Brennecke, J.# A heterochromatin-dependent transcription machinery drives piRNA expression. Nature 549, 54–59 (2017).

Highlight: Zamore, P. D. Molecular biology: Rhino gives voice to silent chromatin. Nature 549, 38–39 (2017).
Highlight: Burgess, D. J. Chromatin: Probing a piRNA paradox. Nat Rev Genet 18, 638–639 (2017).

3. Lubas, M.*, **Andersen, P.R.***, Schein, A., Dziembowski, A., Kudla, G. & Jensen, T.H. The Human Nuclear Exosome Targeting Complex Is Loaded onto Newly Synthesized RNA to Direct Early Ribonucleolysis. Cell Reports 10, 178–192 (2015).

4. Andersson, R.*, **Andersen, P.R.***, Valen, E., Core, L.J., Bornholdt, J., Boyd, M., Jensen, T.H. & Sandelin, A. Nuclear stability and transcriptional directionality separate functionally distinct RNA species. Nature Communications 5, 5336 (2014).

5. **Andersen, P. R.***, Domanski, M.*, Kristiansen, M. S., Storvall, H., Ntini, E., Verheggen, C., Schein, A., Bunkenborg, J., Poser, I., Hallais, M., Sandberg, R., Hyman, A., LaCava, J., Rout, M. P., Andersen, J. S., Bertrand, E. & Jensen, T. H. The human cap-binding complex is functionally connected to the nuclear RNA exosome. Nature Structural & Molecular Biology, 20, 1367–1376 (2013).

Highlight: Müller-McNicoll, M. & Neugebauer, K. M. Nat. Struct. Mol. Biol. 21, 9–12 (2014).

6. Valen, E.*, Preker, P.*, **Andersen, P. R.***, Zhao, X., Chen, Y., Ender, C., Deuck, A., Meister, G., Sandelin, A. & Jensen, T. H. Biogenic mechanisms and utilization of small RNAs derived from human protein-coding genes. Nature Structural & Molecular Biology, 18(9), 1075–1082 (2011).

7. Moldt, B., Yant, S. R., **Andersen, P. R.**, Kay, M. A. & Mikkelsen, J. G. Cis-Acting Gene Regulatory Activities in the Terminal Regions of Sleeping Beauty DNA Transposon-Based Vectors. Hum. Gene Ther. 18, 1193–1204 (2007).

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