

TEN MOST IMPORTANT PUBLICATIONS

Schäfer I.B., Yamashita M., Schuller J.M., Schüssler S., Reichelt P., Strauss M. and **Conti E.** (2019). Molecular basis for poly(A) RNP architecture and recognition by the Pan2-Pan3 deadenylase. *Cell* 177, 1619-1631.

Schuller J. M., Falk S., Fromm L., Hurt E. and **Conti E.** (2018). Structure of the nuclear exosome captured on a maturing pre-ribosome. *Science* 360, 219-222.

Gerlach P, Schuller JM, Bonneau F, Basquin J, Reichelt P, Falk S and **Conti E.** (2018) Distinct and evolutionary conserved structural features of the human nuclear exosome complex. *Elife* 7:e38686

Schmidt C., Kowalinski E., et al. **Conti*** E., Becker* T and Beckmann* R. (2017). The cryo-EM structure of a ribosome – Ski2-Ski3-Ski8 complex. *Science*, 354, 1431-1433.

Makino D.L., Schuch B., Stegmann E., Baumgärtner M., Basquin C. and **Conti E.** (2015). RNA degradation paths in a 12-subunit nuclear exosome complex. *Nature* 524, 54-58.

Halbach F., Reichelt P. Rode M. and **Conti E.** (2013). The yeast Ski complex: crystal structure and substrate channeling to the exosome. *Cell* 154, 814-826

Makino D.L., Baumgärtner M. and **Conti E.** (2013). Crystal structure of an RNA-bound 11-subunit eukaryotic exosome complex. *Nature* 495, 70-75.

Bonneau F., Basquin J., Ebert J., Lorentzen E. and **Conti E.** (2009). The yeast exosome functions as a macromolecular cage to channel RNA substrates for degradation. *Cell* 139, 547-559.

Cook A., Fukuhara N., Jinek M. and **Conti E.** (2009). Structures of the tRNA export factor in the nuclear and cytosolic states. *Nature* 461, 60-65.

Bono F., Ebert J., Lorentzen E., and **Conti E.** (2006). The crystal structure of the exon junction complex reveals how it maintains a stable grip on mRNA. *Cell* 126, 713-725.

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Schuller S.K., Schuller J.M., Prabu J.R., Baumgärtner M., Bonneau F., Basquin J., **Conti E.** (2020). Structural insights into the nucleic acid remodeling mechanisms of the yeast THO-Sub2 complex. *eLife* 9:e61467.

Lingaraju M., Schuller J.M., Falk S., Gerlach P., Bonneau F., Basquin J., Benda C., **Conti E.** (2020). To Process or to Decay: A Mechanistic View of the Nuclear RNA Exosome. *Cold Spring Harb Symp Quant Biol* 2019, 84:155-163.

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Keidel A., **Conti E.** and Falk S. (2020). Purification and Reconstitution of the *S. cerevisiae* TRAMP and Ski Complexes for Biochemical and Structural Studies. *Methods Mol Biol.* 2062, 491-513.

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