

Role of the NuA4 complex in nuclear speckle composition

Project partners
Université de Strasbourg, Universität Basel
Project duration / Awarded funding
01/03/2022 – 28/02/2023 / 35,000€
Short description of the project
The project is a cooperation in the field of molecular and cell biology. The researchers want to determine how the mammalian NuA4 complex regulates the flux of mRNAs through nuclear speckles in embryonic stem cells.
Concrete implementation of the project (What was the funding used for?) (max. 500 characters (including spaces))
We performed sequencing of total, nuclear, cytoplasmic and newly synthesized RNA, in normal and Tip60-depleted embryonic stem cells, determined acetylated substrates of Tip60, and visualised the localisation of individual target mRNAs using fluorescence in situ hybridization.
Project result(s) and continuation of collaboration (max. 500 characters (including spaces))
We found that Tip60 promotes the synthesis and export of specific mRNAs and identified putative substrates that could mediate these functions.
Further information (links, articles, photos)
None