High-throughput identification of "static" and dynamic RNA secondary structures

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Abstract

Secondary structures are paramount to the functions of RNA molecules. During this talk, I will discuss some of the novel technologies we developed, which improved our ability to query RNA structures in living cells, and how these are paving the way to the study of RNA secondary structure ensembles, by tackling the problem of RNA structural heterogeneity.

Biography

Danny Incarnato obtained his PhD in Molecular Biotechnologies from the University of Siena (Italy) in 2014. He then moved to Turin (Italy) where he did his post-doc at the Italian Institute for Genomic Medicine (IIGM). Since 2019, he is an assistant professor at the University of Groningen (the Netherlands), where his group works on the development of novel methods for the high-throughput investigation of RNA structures in living cells.