

BioISI Research Seminar

New fragments of old molecules

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I present rather unusual suspects in the world of gene regulation - transfer RNA fragments (tRFs). Such fragments have previously escaped detection or have been generally ignored as noise due to low count numbers in of small RNA libraries. While the focus in the analysis of such libraries has been primarily on microRNAs, recent studies have reported findings of tRFs across a range of organisms. We had previously described age-related dynamics of microRNAs loading into different RNA-induced silencing complexes (RISC) of *Drosophila melanogaster* using small RNA-Seq data. Here I focus on tRFs found in the transcriptome libraries of *Drosophila* and rats and the similarities/differences of age-related behavior between microRNAs and tRNA fragments and consider their possible targets.

Host: Margarida Gama-Carvalho
(GER-BioISI)

When: June 9 🕒 11h30

Where: Building C2, room 2.2.21

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