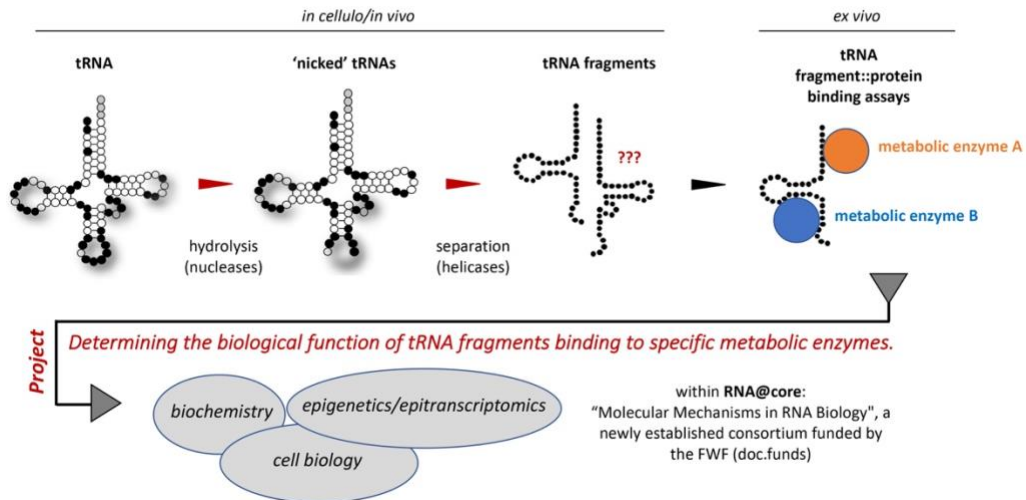


Ph.D. Position in RNA BIOLOGY available

Title: SMALL RNA REGULATION OF METABOLIC ENZYMES

Stress-Induced tRNA Fragments Bind to Metabolic Enzymes



Transfer RNAs are indispensable for decoding mRNAs. Curiously, environmental stresses induce the fragmentation of some tRNAs. The resulting tRNA fragments impact cellular processes including survival, translation, intercellular communication, and the transfer of extra-chromosomal information between generations. However, the exact molecular mechanisms through which tRNA fragments affect cellular physiology are not known.

Among the proteins that interact with specific tRNA fragments, we discovered various metabolic enzymes.

This Ph.D. project (embedded in an FWF-funded doc.fund, RNA@core) aims at deciphering the biological significance of these interactions using a combination of **cell biology, biochemistry, epigenetics, and epitranscriptomics**. The project can be started immediately.

Interested candidates should send a cover letter, CV, a short description of prior lab experience, and two contacts for reference to:

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