



Open positions to study the Epitranscriptome

All classes of RNAs are heavily decorated by chemical modifications. These chemical modifications, also referred to as Epitranscriptomic marks affect the fate and function of RNAs, often in response to external stimuli. At RNA DECO <https://www.rna-deco.org/> an interdisciplinary team of 13 RNA researchers from the Vienna and Innsbruck jointly study the regulation and impact of epitranscriptomic marks using various technical and biological models.

We look for motivated individuals with a strong background in biochemistry, cell biology or bioinformatics to fill the following open positions:

Lusser group, MedUni Innsbruck (<https://www.i-med.ac.at/molbio/Research/Group-Lusser.html>):

PhD position to study gene regulatory mechanisms involving **epitranscriptomics**. We are looking for students interested in studying the biological and mechanistic implications of RNA cytosine modification in mammalian cells.

PhD position to study regulatory mechanisms involving **epigenetics**. We are looking for students interested in understanding the functions of chromatin remodeler CHD1 in *Drosophila* health- and lifespan.

PhD position to study regulatory mechanisms involving **epigenetics**. We are looking for interested students to study the functional impact of posttranslational modification of centromere-specific histone variant Cenp-A.

To apply: Please e-mail a CV, a letter of motivation and names and contact information for 2-3 references to alexandra.lusser@i-med.ac.at.

Hofacker group, University of Vienna:

Post doctoral position for a bioinformatician to analyze RNA sequencing experiments to detect and quantify posttranscriptional modifications and implement treatment of modified nucleotides in RNA secondary structure prediction algorithms. The ideal candidate should have experience both in bioinformatical analysis of transcriptome sequencing as well as RNA secondary structure prediction.

To apply: Please email a CV, a letter of motivation and names and contact information for 2-3 references to ivo.hofacker@univie.ac.at.

Jantsch group, MedUni Vienna <https://anatomieundzellbiologie.meduniwien.ac.at/group-jantsch/> :

Post doctoral or PhD position to study the cross-talk and regulation of RNA modifications in cells and genetically modified mouse models. You will map epitranscriptomic marks and study their dynamics in response to other modifications

Master student positions to support an ongoing project that studies consequences of RNA editing on encoded proteins. You will be involved in mapping the interactome of proteins that are altered by RNA editing. Another project aims at understanding signaling processes that alter RNA editing dynamics.

Technician: We look for a technician (full or part time) to support ongoing projects studying RNA modifications

Interested candidates are encouraged to send a letter of motivation, resume along with study grades to michael.jantsch@meduniwien.ac.at and Tanja.Rohr@meduniwien.ac.at ."

Schaefer group, MedUni Vienna <https://anatomieundzellbiologie.meduniwien.ac.at/group-schaefer>

Master student position to support an ongoing project that aims at identifying specific tsRNA-degrading activities through a combination of systematic RNA interference (RNAi) in tissue culture and biochemical *in vitro* experimentation including tRNA fragmentation and RNA helicase assays.

To apply: Please email a CV and a letter of motivation to matthias.schaefer@meduniwien.ac.at