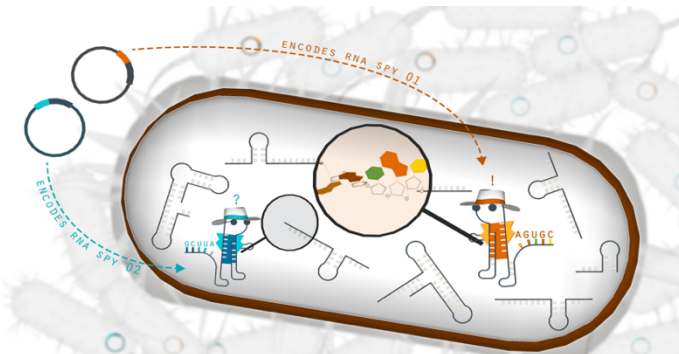# Postdoctoral Research Associate Position

Highlights

- Postdoctoral position at the University of Texas-Austin, focusing on RNA Biology/Biochemistry
- Located in Austin, Texas (consistently rated as one of the best US cities to live)
- Full employee benefits
- Salary commensurate with experience and qualifications

We are currently looking to fill a postdoctoral position available in Dr. Lydia Contreras' lab at the University of Texas at Austin, a top research university in the US. Dr. Contreras is an Associate Professor in the Department of Chemical Engineering and a member of the Biophysics Department and the Institute of Cell and Molecular Biology (Biochemistry, Cell Biology and Microbiology). The ideal candidate is highly driven and holds strong interest in using cutting-edge technologies to study RNA biochemistry toward the identification and characterization of regulatory systems, RNA-protein interactions, and functional epitranscriptomics. The lab makes great strides to maintain a vibrant, productive, and driven team with a supportive culture conducive for scientific and personal growth. Projects in the Contreras lab are interdisciplinary and the candidate will be expected to contribute to this highly collaborative and nurturing learning environment.

Detailed Description:

Research projects may involve, but are not limited to emerging research areas related to:

1. **Epitranscriptomics:** Molecular characterization of RNA biochemistry and interactions upon exposure to various environmental conditions. Develop and conduct techniques for mapping the epitranscriptome (ICE-seq, CMC-seq, ME-seq, etc)**.** Opportunities for further education and training on state-of-the-art technologies including RNA-sequencing, proteomics, in vivo footprinting, bioinformatics, machine learning.
2. **RNA regulatory networks**: Discovery and characterization of post-transcriptional regulatory interactions. Projects will involve strong components in molecular biology, microbiology, cell biology, biochemistry, and bioinformatics, hands-on experience in Next Generation Sequencing approaches, and could involve elements of structural biology and toxicology.

Candidate Profile:

Ideal candidates have recently completed their Ph.D. in Microbiology, Biochemistry, Biomolecular Engineering or related fields. Candidates with prior research experience in RNA biology and/or protein biochemistry are encouraged to apply. A successful candidate will have the opportunity to work with researchers all over the world and obtain valuable experience for future academic and/or industrial positions. **Interested applicants should send the following materials in an application packet, preferably as a single PDF file, by email to Dr. Lydia Contreras** (**lcontrer@che.utexas.edu**):

1. Cover letter indicating current and future research interests
2. Curriculum vitae
3. Brief summary of previous research experience (2-3 pages)
4. Names and contact information for 3 references
5. Desired starting date

Details of Dr. Contreras's laboratory, on-going research projects, and recent publications can be found at **(https://sites.utexas.edu/contreraslab/)**