Postdoctoral Positions to Investigate RNA Subcellular Localization at Baylor College of Medicine

Three postdoctoral positions are available in Furqan Fazal’s lab in the Department of Biochemistry and Molecular Biology at Baylor College of Medicine (BCM) to study the organization of RNAs within cells. The Fazal lab focuses on systematically interrogating the subcellular transcriptomes of mammalian cells and characterizing the scope, regulation, and function of subcellular localization, particularly at the systems and organismal level.

Fazal’s lab interests span from computational to wet-lab work, though the ideal candidate should have experience in molecular biology, RNA biology, cell biology, and/or informatics. We use a variety of biochemical, biophysical, imaging, genomic and computational approaches to investigate the sequence-function relationship dictating RNA localization.

Recent relevant publications from the principal investigator include:

1. Atlas of Subcellular RNA Localization Revealed by APEX-seq. Cell 2019.

2. RNA Structure Maps Across Mammalian Cellular Compartments. Nature Structural & Molecular Biology 2019.

3. RNA-GPS Predicts SARS-CoV-2 RNA Residency to Host Mitochondria and Nucleolus. Cell Systems 2020.

4. Subcellular Spatial Transcriptomes: Emerging Frontier for Understanding Gene Regulation. CSHL Symposia of Quantitative Biology 2019.

Visit the BCM website (<https://www.bcm.edu/people-search/furqan-fazal-72901>) for more information about our lab. Interested applicants may send an email to [furqan.fazal@bcm.edu](mailto:furqan.fazal@bcm.edu) for more information about the position, or apply directly at the BCM website (<https://jobs.bcm.edu>, search for job posts by entering requisition IDs 8017, 8018 or 8019).

Minimum Qualifications

- MD or PhD in basic science, health science, or a related field.

- No experience is required.

Preferred Qualifications

- PhD degree in biochemistry, bioengineering, biophysics, or related field preferred.

- RNA biology, genomics, genetics, informatics.

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