



## **Postdoctoral Scientist MRC Laboratory of Molecular Biology, Cambridge, UK**

We are recruiting a Postdoctoral Scientist to join Dr Suyang Zhang's group to investigate the mechanism of co-transcriptional splicing. The project aims to understand the mechanism of crosstalk between the transcription and splicing machineries using a combined biochemical and structural approach with a focus on cryo-electron microscopy.

In eukaryotes, RNA synthesis and splicing are intricately coupled to each other to enhance the efficiency and accuracy of pre-mRNA processing. Despite advances in our understanding of transcription and splicing as two separate processes, the molecular mechanisms underlying co-transcriptional splicing in a cellular context remain to be elucidated. We have recently determined the structure of a transcribing Pol II-U1 snRNP complex that provided a model of how distant intron ends can be functionally paired for splicing (Science 2021 371:6526).

We are seeking an enthusiastic individual who will thrive in a laboratory with a friendly and supportive atmosphere. The successful candidate should have a PhD in biological sciences and a strong background in either biochemistry, cell biology or structural biology. Experience in mammalian cell culture are advantages. Experience in cryo-EM is beneficial but not necessary, as training can be provided in the group. The candidate should have worked independently and has good communication skill to work in a team.

For further information, please visit: <https://www2.mrc-lmb.cam.ac.uk/group-leaders/t-to-z/suyang-zhang/>

Informal enquires can be made to Dr Suyang Zhang ([szhang@mrc-lmb.cam.ac.uk](mailto:szhang@mrc-lmb.cam.ac.uk))

This is a 3-year position located at the MRC Laboratory of Molecular Biology in Cambridge, UK, which provides excellent in-house scientific core facilities and highly collaborative working environment. The successful applicant will be awarded a 3-year Career Development Fellowship / Postdoctoral Training Scheme position.

Applicants should provide a CV, a motivation letter including a brief description of current research activities and contact information of 2 to 3 references.

Submit your official application here: <https://mrc.tal.net/vx/mobile-0/appcentre-ext/brand-3/candidate/so/pm/4/pl/1/opp/1951-Postdoctoral-Scientist-Structural-Studies-Dr-Suyang-Zhang-LMB-1951/en-GB>



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