



Postdoctoral Researcher in Molecular Biology

Background: Myosin molecular motors together with their partner actin are implicated in principal nuclear processes like transcription and chromatin remodelling (Nat Cell Biol (2004) 6:12, 1165-72, Nat Cell Biol (2004) 6:11, 1094-101, for overview see Biochem Cell Biol (2009), 87, 283-306). However, the molecular mechanisms of myosin functions in the nucleus are not clear. Our current project employs state-of-the-art biochemistry, molecular biology, microscopy and genetics methods to elucidate these mechanisms.

The candidate: The successful candidate is expected to have PhD in biology, a strong background in molecular biology techniques (both DNA and protein) preferentially with experience in producing/phenotyping transgenic mice confirmed by sound publication record, ability to supervise a small research team that includes two PhD students and a technician, and fluent English. No extensive teaching required. We offer locally competitive salary and additional benefits. The position is available immediately.

The laboratory: Our laboratory (<http://nucleus.img.cas.cz>) consists of 18 people and offers a great combination of molecular/cell biology methods and advanced light/electron microscopies. The Institute of Molecular Genetics (<http://img.cas.cz>) is the newest and perfectly equipped research institute of the Academy of Sciences located in a largest biomedical research campus in the Czech Republic, placed in a quiet part of the beautiful city of Prague.

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