Hamad Bin Khalifa University, College of Health and Life Sciences, Doha, Qatar

Postdoctoral position in Genomics and Precision Medicine

We are looking for people with experience in cell biology, chromosomal biology, genetics, biochemistry and bioinformatics.

The notion of the transgenerational inheritance of environmentally acquired traits, is the theoretical basis of Lamarkism, has been a subject of heated debate for centuries. Almost 100 years after first spectacular observation of transgenerational inheritance of acquired traits in midwife toad by Paul Kammerer, we are yet to recognize the existence of such Lamarckian inheritance.

Pourkarimi Lab combines cutting edge technology to manipulate epigenetic modification at an organismal level. We and others have recently shown that Epigenetic marks are important for the regulation of DNA replication and for the maintenance of transcriptional states. At present we know very little as to how such marks are maintained during DNA replication, across many cell divisions within the development of an organism, or in extreme cases from one generation to the next.

The specific focus of Pourkarimi Lab is to understand the mechanism underlying the maintenance of epigenetic marks across multiple cell division and more importantly to elucidate the mechanism of epigenetic inheritance.

If you are interested, please send submit your cover letter and your CV.

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