

PhD Student in Bioinformatics

The Institute of Molecular Biology (IMB) is a Centre of Excellence for Life Sciences funded by the Boehringer Ingelheim Foundation. It is located on the campus of the University of Mainz in Germany. Applications are invited for a PhD student position in the laboratory of Dr Vijay Tiwari (www.imb-mainz.de/research-at-imb/tiwari). The successful applicant will contribute to internationally competitive research on Epigenetic Regulation of Development. The group employs high-throughput epigenomics assays such as ChIP-seq, ATAC-seq and RNA-seq in combination with stem cell biology and neurobiology as well as cutting-edge epigenetics and molecular biology tools. The resulting datasets are analyzed using bioinformatics, statistics and systems biology tools to generate a comprehensive model of epigenetic regulation of gene expression during embryonic development. Information on the scientific background can be found at:

<https://www.imb-mainz.de/en/research-at-imb/tiwari/research/>

You will

- Study epigenetic regulatory mechanisms that contribute to embryonic development
- Analyse epigenomics datasets for solving complex biological questions
- Work in close cooperation with experimental researchers to facilitate novel discoveries
- Obtain training in epigenomics, computational biology and developmental biology
- Work in close collaboration with the group leader and other group members
- Collaborate with internal and external partners

We offer

- The possibility to work on a cutting-edge project using state-of-the-art technology in a highly motivated research team
- A stimulating, diverse and international research environment
- Advanced training opportunities
- A competitive stipend

Required Qualifications

- Master or Diploma in Bioinformatics, Computational Biology, Informatics, Physics, Mathematics or related areas
- Motivation to solve complex biological problems
- Excellent communication skills

To express an interest in the position, please email a **single PDF file** containing your cover letter, CV (**in English**) and scans of your degrees to Dr Vijay Tiwari (v.tiwari@imb-mainz.de). Eligible applicants will subsequently be asked to officially apply via IMB's International PhD Programme (www.imb-mainz.de/PhD). IMB is an equal opportunity employer.

Starting date: 1st August 2017 or later

Duration of stipend: 3 years, with the possibility of extension

Deadline for applications: 28th February 2017