

Bioinformatican support position

European Molecular Biol. Laboratory

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EMBL is seeking a highly motivated bioinformatician/computational biologist to work in the Furlong group, in the Genome Biology Unit. **The position** involves contributing to cutting edge data analysis of diverse types of next generation sequencing (NGS) data, and generally supporting people within the group with computational analysis and infrastructure. The successful candidate will contribute to data analyses to examine chromatin state and transcription factor occupancy (using diverse ChIP-Seq experiments), nucleosome positioning (MNase-seq, DNase1), gene expression (RNA-Seq, 5'-CAGE) and 3-dimensional nuclear structure (using 4C and Hi-C), to address specific biological questions, as well as evaluating and keeping up to date with new software analysis tools.

Applicants should have an appropriate university degree in computer science, bioinformatics or biostatistics (master degree with 3+ years of experience or PhD). Prior experience with the analysis of NGS datasets (RNA-seq, ChIP-seq, DNA-seq ...), R/bioconductor, scripting languages (e.g. shell, python) and a unix environment is a must. Extensive experience in bioinformatics and statistical analysis of large datasets is required. The candidate should be able to work independently and also interact well within a team. The successful applicant will be organized (documentation and communication is an important aspect of the job), open-minded, able to work on different projects in parallel, proactive (problem solving skills are essential) and have a user-oriented spirit. A working knowledge of English is essential.

EMBL is one of the highest ranked scientific research organizations in the world. It is a highly international multicultural institute, with a very open, collaborative and interactive culture, where the working language is English.

Recent publications from the Furlong group:

1. Ghavi-Helm Y, et al (2014). **Nature**. Jul 2 doi: 10.1038/nature13417. [Epub ahead of print]
2. Rembold M, et al (2014). **Genes & Dev**. Jan 15;28(2):167. Top 5 downloaded G&D article in January
3. Erceg J, et al (2014). **PLoS Genet**. Jan;10(1):e1004060.
4. Spitz F and Furlong EE (2012). **Nature Reviews Genetics**, Sep;13(9):613-26.
5. Junion G*, Spivakov M*, et al (2012). **Cell**, Feb 3;148(3):473-86.
6. Bonn S*, Zinzen RP*, Girardot C*, et al (2012). **Nature Genetics**, Jan 8;44(2):148-56
7. Zinzen RP*, Girardot C*, Gagneur J*, et al. (2009). **Nature**. 2009 Nov 5;462(7269):65-70.

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