

## Post-doctoral position for a Bio-informatician

A full time postdoctoral position for a bio-informatician is available in the Laboratory of Evolutionary Developmental Genomics (LEDG) at the Institute of Functional Genomics, Lyon (IGFL) -France. The successful candidate will lead and coordinate the *de novo* assembly of at least one water strider genome and contribute to functional and evolutionary genomics analyses. In addition, the candidate is expected to help organize and analyze comparative transcriptomics sequence data obtained by next generation sequencing technology.

The general objective of the LEDG is to combine developmental genetics, transcriptomics, genomics, proteomics, and evolutionary ecology for the study of animal diversity. The successful candidate is encouraged and will have the opportunity to learn and conduct gene function analysis experiments to validate comparative genomics/transcriptomics findings.

Water striders are semi-aquatic bugs –a monophyletic group of predatory hemipterans that have proven to be suitable for integrative studies. This is a species-rich group with a large morphological diversity, particularly in their appendages, which are shaped by adaptation to locomotion on the water, co-evolution of the sexes, or prey-predator interactions. In addition to being models for evolutionary ecology and population genetics, we have established RNA interference (RNAi) technique for gene function analysis, both for single and multiple gene knockdowns and across multiple species. Some details can be found in our first publication by Khila et al. 2009, PLoS Genetics.

The position is within the IGFL of Lyon (<http://igfl.ens-lyon.fr/>), a young but vibrant institute sponsored by *Universite Claude Bernard*, INRA, ENS, and CNRS. Lyon is the second biggest town in France, with a much more affordable cost of life compared to Paris, but with just as much charm.

A PhD degree in Genetics/Genomics, Bioinformatics/Computational Biology, or related disciplines is required. Experience with genome assembly and annotation, genomic data mining, sequence analyses are highly desirable. Experience with basic molecular techniques is a plus. Salary is guaranteed for 1-2 years and is defined by CNRS standards. The position may start as early as June, but no later than October 2011.

Please email a cover letter, CV, and names and contact info of three references to Dr. Abderrahman Khila at [Abderrahman.khila@ens-lyon.fr](mailto:Abderrahman.khila@ens-lyon.fr)