

Genomics of Gene Expression Lab

Postdoctoral position at the Genomics of Gene Expression - Conesa lab (Valencia) to work on differential expression using long reads sequencing technologies

The GGE Lab is an internationally recognized research group working on the creation of computational methods to study the dynamics and regulation of gene expression.

We are seeking an enthusiastic and talented postdoc to join our group and help in the development of novel bioinformatics and statistical methods for differential expression analysis using long read sequencing technologies

The Genomics of Gene Expression Lab (<http://conesalab.org/>) is an internationally recognized research group working on the creation of computational methods to study the dynamics and regulation of gene expression. We are a multidisciplinary and international team currently located at the Institute for Integrative Systems Biology, a joint UV-CSIC institute with a focus on Systems Biology and Computational Modelling. Our team has developed over 20 software tools to analyze high-throughput genomics data that include a variety of approach to design, store, analyze, integrate, and visualize multi-omics datasets. Some of these tools are Blast2GO, NOIseq, maSigPro, Qualimap, Paintomics and SQANTI.

The GGE Lab has pioneered the creation of software tools for the analysis of single molecule, long reads sequencing applied to transcriptome research. In our recently NIH-funded project we will develop bioinformatics methods for transcriptome quantification using long reads and statistical methods for differential expression analysis tailored to these data. We are seeking an enthusiastic and talented postdoc to join our group and work with us in this project.

Candidates must have a **PhD in computational biology or biostatistics**, with knowledge in **R, Python and Java Script**. Experience in the analysis of (long reads) NGS data, as well as **wet-lab technologies in highly recommended**. The position is for 16 months, and the gross salary range is 30,000 - 40.000 €/year. If you are interested, please send your motivation to Ana Conesa (ana.conesa@csic.es).

Deadline: until position is filled.

Start date: Immediate incorporation.

Software

