

Postdoctoral Researcher – Personalised Medicine on Thrombosis Disease  
Unit of Genomic of Complex Disease – Research Institute of Hospital de la Sant Creu i Sant Pau –  
IIB Sant Pau

## The role

We are seeking a talented **highly motivated PhD** to work in **bioinformatics of thrombotic disease in our group**. We use computational analysis of omics data together with population genetics predictions and statistical modelling to answer questions about **thrombosis risk** mechanisms associated with cancer or COVID19. The ideal candidate should be able to work on prediction risk models and biological problems through the use and development of computational and statistical approaches.

The following requirements are mandatory:

- PhD in computer science or bioinformatics. Applicants with PhD in biotechnology, biology or other life sciences will be considered providing they can demonstrate expertise in bioinformatics.
- Experience in omics data analysis (including Epigenomics microarray analysis, RNA-seq, Exome-seq and other omics data analysis techniques).
- Fluent in R and/or Python, other programming languages will also be favoured.

The following requirements will be considered positively:

- Experience in visualization tools for omics data.
- Development of AI solutions, with special emphasis on machine learning methods, for the analysis and interpretation of biological data.
- Use of predictive computational methods based on statistical and inference approaches to model complex biological processes
- The candidate is expected to be able to communicate well in English.

All applications must be addressed to:

Dr. José Manuel Soria

Genòmica de Malalties Complexes (UGMC).

Institut de Recerca de l'Hospital de la Sant Creu i Sant Pau. IIB Sant Pau.

E-mail: [jsoria@santpau.cat](mailto:jsoria@santpau.cat)

<http://www.recercasantpau.cat/en/group/genomics-complex-diseases/>

<https://www.linkedin.com/in/jose-manuel-soria-09638361/>

Applications must include:

1. A motivation letter.
2. A complete CV including contact details and a list of publications.
3. Contact details of two referees.