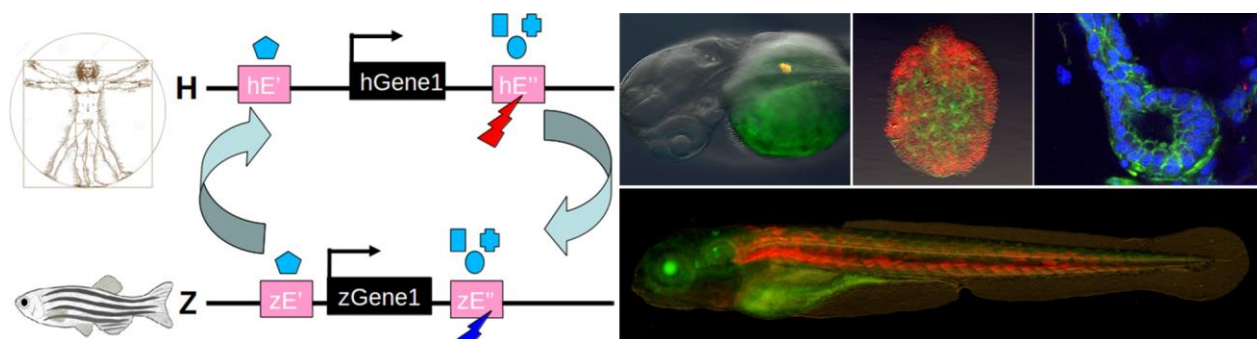


Post-doctoral Position

Internal Reference: ERC201804



One Post-doctoral research Fellowship is available for recruitment in the project “The Pancreas Regulome: From causality to prediction of non-coding mutations in human pancreatic diseases”, financed by an ERC Starting Grant 2015.

Summary of work program:

Several human pancreatic diseases have been characterized, being the diabetes the most common. Like others, this genetic disease is related to disrupted non-coding cis-regulatory elements (CREs) that culminate in altered gene expression. Although Genome Wide Association Studies support this hypothesis, it's still unclear how mutations on CREs contribute to disease. The translation from the “non-coding code” to phenotype is an exciting and unexplored field that we will approach in this project with the help of the zebrafish as a suitable animal model. We aim to uncover the implications of the disruption of pancreas CREs and how they contribute to diabetes *in vivo*.

Tasks:

- Introduction of tags in zebrafish transcription factors to perform Chromatin Immunoprecipitation (ChIP).
- Perform Chromatin Immunoprecipitation (ChIP).
- Perform Hi-ChIP to detect chromatin interaction points

Candidate profile:

Candidates should have a PhD in Biology or related fields with less than 3 years of postdoctoral experience, at least one publication as first author in peer review journals and autonomy to lead a scientific project. Creativity, curiosity, perseverance, dynamism, passion for basic science and good inter-personal relationships in the context of a multidisciplinary research team are essential attributes. Experience on ChIP, Hi-ChIP, molecular biology or zebrafish handling will be valued.

Application procedure:

Interested candidates should submit their CV, PhD certificate, a motivation letter and the contact information of two referees and their respective reference letters via the online application system:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERC201804>

Applications will be open from 16th of October to 4th of November 2018, with an ideal start date on 15th of November 2018. This fellowship will be awarded initially for 1 year, being renewable until the end of the project.

Selection Committee:

President: José Bessa, PhD

Ordinary members: Carla Lopes, PhD, and Elsa Logarinho, PhD

The fellowships are regulated by current laws relating to the Statute of Science Research Fellows, namely Law 40/2004 of August 18, and the Regulation of Scientific Research Studentships of the IBMC (www.ibmc.up.pt/fellowships.php).

The fellowship monthly amount is 1495 Euros, paid by bank transference (preferentially).