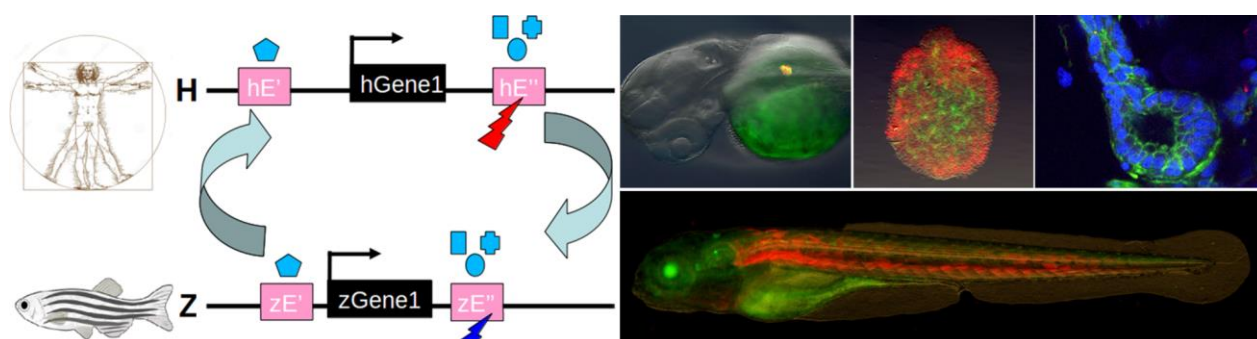


# Post-doctoral Position (m/f)

Internal Reference: ERC651802



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*.

**Candidate profile:**

Candidates should have a Ph.D. 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. Proved experience in the following fields will be valued:

- Accessing the chromatin state genome wide, including the use of techniques such as Chromatin Immunoprecipitation and ATAC-seq.
- Genome topology and three-dimensional regulation
- Bioinformatics.
- Mutagenesis of cis-regulatory elements by the Crispr-Cas9 system.

**Application procedure:**

Interested candidates should submit their CV, 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=ERC651802>

Applications will be open from 16 to 5 June 2018, with an ideal start date on 15<sup>th</sup> of June 2018. This fellowship will be awarded initially for 1 year, being renewable for a maximum of 24 months.

Selection Committee:

President: José Bessa, PhD

Ordinary members: Carla Lopes, PhD, and Renata Carriço, 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](http://www.ibmc.up.pt/fellowships.php)).