

## **Postdoc Position Available: Molecular and Cellular Mechanisms of Hypertrophic Cardiomyopathy**

### **Unraveling the Role of a Novel Gene Implicated in HCM Patients The Zaffran Lab – Marseille Medical Genetics (MMG), France**

We are seeking a highly motivated and talented postdoctoral researcher to join our team as part of a collaborative, CEFIPRA-funded project investigating the role of a novel gene identified in patients with hypertrophic cardiomyopathy (HCM).

#### **About the Project**

The Zaffran Lab focuses on unraveling the genetic and molecular mechanisms underlying cardiac diseases, with a particular emphasis on HCM. In this 2-year postdoctoral position, beginning in 2025, the successful candidate will contribute to a collaborative project between our lab at the Marseille Medical Genetics (MMG) and the team of Prof. Dhandapany Perundurai at inStem, Bangalore, India.

The project aims to explore the molecular mechanisms linked to an HCM-associated variant in a novel, non-sarcomeric gene. Using a combination of in vivo and in vitro models, including human iPSC-based system and preclinical models, the research will advance our understanding of HCM pathogenesis and identify potential therapeutic targets.

#### **About the Lab and Environment**

The Zaffran Lab is part of the Marseille Medical Genetics Center (MMG) at Aix Marseille University, a dynamic and international research center equipped with the state-of-the-art technologies.

- Learn more about MMG: <https://www.marseille-medical-genetics.org/>.
- Learn more about the Zaffran Lab: <https://www.marseille-medical-genetics.org/s-zaffran/>

#### **Candidate Profile**

##### **Required Qualifications:**

- PhD in Cell Biology, Developmental Biology, or related field (or close to completion)
- Strong background in stem cell/iPS culture and mouse developmental biology
- Demonstrated interest in developmental and stem cell biology
- At least one first-author publication in a peer-reviewed journal

##### **Preferred Attributes:**

- High level of motivation, scientific curiosity, and ability to work independently and collaboratively

#### **Application instruction**

To apply, please send the following documents by **July 31, 2025**:

- Cover letter detailing your motivation and research interests
- Curriculum vitae (CV)
- Summary of previous research projects and experience
- Contact information for **three referees**

#### **Send applications to:**

Dr. Stéphane Zaffran  
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