



## Plant Development, Epigenetics and Evolution

The **Farrona lab** (<http://www.farronalab.org/>) is seeking **two PhD students** that will be **fully funded** to study the role of chromatin-related proteins in the regulation of plant development. We are looking for highly motivated researchers with a strong interest in interdisciplinary projects.

### *PhD Student requirements*

Applicants must have a completed a MSc degree (or equivalent) in plant biology, genetics, molecular biology or related fields. Good knowledge and practical expertise of standard molecular biology techniques as well as hands on experience with plant development is desired. Additional knowledge in epigenetics and chromatin techniques will be also considered. Experience in sequencing data analysis will be considered. The candidates should also have good written and verbal scientific communication skills. The successful candidates will be enrolled in the structure AgriBiosciences PhD programme (fees and living allowance stipend included).

### *Our Research*

In a world threatened by climate change, plants face a major challenge to adapt to environmental stress. In addition, seeds are cornerstones of novel sustainable agricultural strategies to secure animal and human food. Therefore, this project aims to investigate how specific sets of proteins that regulate development have aided plants to thrive in new environments throughout evolution, which will contribute to discover novel breeding tools to enhance plant fitness and survival. Furthermore, their roles in seed development and germination will be investigated with the goal to identify genetic and biochemical features link to a tighter control of these key agricultural traits.

### *Our University*

National University of Ireland Galway (NUI Galway) is a research and top-quality teaching university that attracts over 17,000 students and has a large international community. The university is located in Galway, a vibrant Irish city regarded as the cultural capital of the country. Our lab is part of the Plant and Agricultural Biosciences Centre (PABC), Ryan Institute which is an inter-disciplinary research cluster focused on plant research and innovation. For more information, please see <http://www.nuigalway.ie>  
<http://www.plantagbiosciences.org/>  
<http://www.nuigalway.ie/ryaninstitute/>

### *Contact*

Interested candidates please send a letter of interest, CV and academic record together with the contact address of two referees via E-mail to [sara.farrona@nuigalway.ie](mailto:sara.farrona@nuigalway.ie) until the end of October 2021.

