Three-years Post Doctoral position  
Maize Epigenetics and Reproductive Development

My group has a 3-years postdoc position available to work on the role of the maize epigenome on reproductive development. We are particularly interested in understanding the functional role of the heterochromatic fraction of the genome in shaping reproductive outcomes in maize, focusing on meiosis and early embryo development.

The project is funded by a bilateral grand awarded to my group and Arp Schnittger’s lab at the University of Hamburg, Germany. It also involves a strong collaboration with the laboratory of Rob Martienssen at Cold Spring Harbor, and thus represents a great opportunity for a junior scientist to interact with leading researchers in the field.

The postdoc fellow will be responsible for developing epigenomic maps from reproductive tissues, using whole genome bisulfite sequencing, chromatin IP and RNA-seq datasets, a number of which are already available. She/he will also interact with the Schnittger lab for the development of living-cell tools for studying both meiosis and early embryo development in wild type plants, and a number of mutant backgrounds that we have identified as important for reproduction.

Montpellier has a vibrant community of researchers in the field of epigenetics, working with various models from plants to flies and mammals, and offers all the technologies required for a successful project, including hyper-resolution microscopes, NGS facilities, and ample field space for maize research.

We are searching for a motivated person willing to learn maize (a previous experience is a plus, but not necessary), with good knowledge of epigenetics, genetics, and a some background in bioinformatics and statistics. The lab uses english as its primary language. IRD is an equal-opportunity employer.

To apply, please send us a package including the following information:
1. Cover Letter
2. Curriculum Vitae
3. List of 2 to 3 references

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Daniel GRIMANELLI  
Institut de Recherche pour le Développement (IRD)  
UMR 232, Université de Montpellier  
911 Av Agropolis, 34394 Montpellier, France  
daniel.grimanelli@ird.fr  
+33 (0)4 67 41 63 76  
http://diade.ird.fr/en/teams/redg-team.html