Bioinformatician position in the Chromosome Dynamics team at the Institut des Sciences des Plantes - Paris-Saclay (IPS2)

The Chromosome Dynamics Group is seeking a Bioinformatician. Using experimental and computational approaches, the group has a broad interest in genome organization and its influence on gene regulation. We use molecular methods (Hi-C, ChIAPET, ChIP-seq, DNA-methylation analysis and RNA-seq) and computational analysis to investigate the organization of plant chromosomes. Recent work has shown that a set of chromatin proteins are functionally important for the looping of regulatory elements at individual genes as well as global chromosome structure. The full-time bioinformatics position is immediately available. The appointee will be supervised by Dr. Moussa BENHAMED. The position is funded for at least 2 years. The ideal candidate should have a genomics or computer science based PhD, be highly ambitious and self-motivated and possess experience in applied bioinformatics, specifically having worked with next-generation sequencing datasets. The candidate will also be expected to have a working knowledge of R and statistics. The post holder will be expected to analyze, integrate and interpret multiple datasets simultaneously (including ChIP-Seq, RNA-Seq and data arising from genome wide 3C-based studies, HiC and ChIAPET). The work will also involve management of the data, application of cutting-edge algorithms, and development of appropriate post-analysis strategies and pipelines.

Application Procedure:
Interested applicants should e-mail Dr. Moussa Benhamed (moussa.benhamed@u-psud.fr) with a complete professional CV (including educational background, experience, a list of Publications and two recommendation letters).