


## Post Doc position In Genomic plant

### French Plant Genomic Center – INRA Toulouse

<b>Position</b>	Post Doc
<b>Starting date</b>	The position is available from November 1st
<b>Project Description</b>	<p>The French Plant Genomic Center (CNRGV), a laboratory located at the INRA campus in Auzeville, is recruiting a Molecular Biologist – Genomicist or a Project Leader in molecular genomics for a 3 years non-permanent position. The main missions of the CNRGV are to provide resources and innovative technology solutions to support various research programs in genomics. For this, the laboratory has developed close collaborations at the international level.</p> <p>Agricultural research must deal with major issues on various scales, in light of the changing climatic and demographic context, where energy resources are limited. In this context of plant improvement and adaptation, genome exploration is one of the strategic approaches of choice. This knowledge facilitates the identification of interesting plant genes, which can play a role in pathogenic resistance or in the quality process and in agronomic performance. Genomics helps to deepen our knowledge of the main metabolic pathways and to rationalize the selection of new varieties. To manage this challenge, genomic research can take advantage of the extraordinary growth observed since the 90s. This revolution combined with specialized biological resources is crucial to the successful management of genomic research projects. Dedicated to plant genome research, the CNRGV is actively involved in the plant genomic effort by producing new resources as well as developing innovative molecular tools for the international scientific community.</p> <p>In order to provide innovative solutions, the CNRGV must take into account the new emerging technologies and develop relevant solutions for advanced research. In this context the CNRGV wants to develop a new approach for reducing the complexity of plant genomes. Methodological development will offer an innovative approach to more rapidly target genomic regions responsible for major agronomical traits. This project built in partnership with the Laboratory of Analysis and Architecture of Systems TOULOUSE (team of Aurelien BANCAUD from LAAS-CNRS), aims at developing an new approach to identify and effectively isolate candidate regions through targeted sequencing of DNA fragments.</p> <p><b>Main objectives:</b></p> <p>The person recruited will be involved in the definition of the molecular strategy to manage the project which the person will be responsible for. The person will have to work in a multidisciplinary context in partnership with physicists. The person will work on various projects of the team. She will develop and conduct research projects in the fields of molecular genomics. The main objective is to improve methods to decipher the complexity of plant genomes in order to better understand the mechanisms related to agronomic traits of interest.</p> <p><b>Main tasks:</b></p> <ul style="list-style-type: none"> <li>- Manage and ensure the progress of projects.</li> <li>- Develop collaborations with experts in the field of genomics.</li> <li>- Ensure effective transfer of new methods to the laboratory</li> </ul>

	<ul style="list-style-type: none"> <li>- Participate in strategic meetings</li> <li>- Prepare and present project documentation, scientific reports, publications.</li> </ul> <p><b>Training</b></p> <ul style="list-style-type: none"> <li>- PhD in genetics / genomics or agricultural engineer / Master degree with experience</li> <li>- Experience in analyzing data from new sequencing technologies</li> </ul> <p><b>Required Skills</b></p> <ul style="list-style-type: none"> <li>- Competence in the field of genomics and molecular biology</li> <li>- Fluency in written and spoken English is essential</li> </ul> <p><b>Required qualities</b></p> <ul style="list-style-type: none"> <li>- Ability to work independently in a multi disciplinary context and international environment</li> <li>- Communication skills, collaboration and leadership</li> <li>- Availability for national and international travels</li> </ul>
<b>Requirements</b>	The candidate should have a PhD in Molecular biology or engineering degree
<b>Application</b>	CV, motivation letter and contact details of two references
<b>Where to apply</b>	<p>Send application to : <a href="mailto:hberges@toulouse.inra.fr">hberges@toulouse.inra.fr</a>          INRA - CNRGV          24 Chemin de Borde Rouge          CS 52627          31326 Castanet Tolosan          FRANCE  <a href="http://cnrgv.toulouse.inra.fr/">http://cnrgv.toulouse.inra.fr/</a>   @cnrgv</p>