**Job-opening at the CNRS Institute of Plant Molecular Biology (IBMP) in Strasbourg**

**Post-doc in Plant Functional Genomics and Biochemistry dedicated to collaboration with industry (Plant Advanced Technologies: http://www.plantadvanced.com).**

The position is opened at CNRS Institute of Plant Molecular Biology (IBMP, http://ibmp.u-strasbg.fr/), one of the centers of excellence in Plant Sciences in EU, in the Plant Cytochromes P450 group with international reputation in plant metabolism and functional genomics, biochemistry and enzymology of cytochrome P450 enzymes.

**Duties**

The candidate will be responsible for elucidation of the pathways for synthesis of terpenoids in plants with a focus on compounds of industrial interest and to initiate their engineered production. The position will include supervision of students to a limited extent.

Being funded by French ARN, this position will provide access to networking opportunities with international partners of the academic and industrial laboratories. It will offer the possibility to perform part of the experiments in the laboratory of the partner from industry. Excellent candidates are invited to apply.

**Deadline for application:** November 15 2013

**Expected start date**: January or Frebruary 2014

**Duration:** 3 years

**Contact, information and submission:** Danièle Werck-Reichhart, ([Daniele.werck@ibmp-cnrs.unistra.fr](mailto:Daniele.werck@ibmp-ibmp.unistra.fr); tel. +33 (0)3 68 85 18 54)

**Qualifications - selection criteria**

Applicants must have a PhD degree or similar qualifications in molecular biology, biochemistry, bioengineering, or microbiology.

Mandatory requirements:

* High quality records
* Strong work ethics and motivation to succeed within this highly competitive research field

Qualifications within several of the following scientific areas are required:

* Molecular Biology
* Bioinformatics
* Deep sequencing data mining
* Heterologous expression in microbes
* Analytical chemistry (LC-MS, GC-MS)
* Membrane proteins
* Terpenoid biochemistry

The candidate is also required to have good communication skills, to be enterprising and to possess good interpersonal skills.

Preference will be given to candidates with:

* Training from internationally leading research laboratories
* Experience of mining in next generation sequencing data
* Experience with enzymes of the cytochromes P450 or terpene synthase families
* Background in organic or analytical chemistry

**Application:**

Applications – in English must include:

Cover letter

CV with documentation of education

A list of publications

Relevant scientific works which the applicant wishes to be included in the assessment

Statement outlining the applicant research experience/contributions (2pp)

Documentation for additional research qualifications

Contact information of referees