

FINAL RESUME ON THE RESEARCH UNIT:  
The Plant Genome and Development  
Laboratory (LGDP)

UNDER THE SUPERVISION OF THE  
FOLLOWING INSTITUTIONS AND  
RESEARCH BODIES:

Université de Perpignan via Domitia -  
UPVD

Centre National de la Recherche  
Scientifique - CNRS

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**EVALUATION CAMPAIGN 2019-2020**  
GROUP A



In the name of Hcéres<sup>1</sup>:

Nelly Dupin, Acting  
President

In the name of the experts committee<sup>2</sup>:

Christine Foyer, Chairwoman of the  
committee

Under the decree No.2014-1365 dated 14 November 2014,

<sup>1</sup> The president of Hcéres "countersigns the evaluation reports set up by the experts committees and signed by their chairman." (Article 8, paragraph 5);

<sup>2</sup> The evaluation reports "are signed by the chairman of the experts committee". (Article 11, paragraph 2).

Tables in this document were filled with data submitted by the supervising body on behalf the unit.

## UNIT PRESENTATION

<b>Unit name:</b>	The Plant Genome and Development Laboratory
<b>Unit acronym:</b>	LGDP
<b>Current label and N°:</b>	UMR 5096
<b>ID RNSR:</b>	199511782H
<b>Application type:</b>	Renewal
<b>Head of the unit (2019-2020):</b>	Mr Jean-Marc DERAGON
<b>Project leader (2021-2025):</b>	Mr Olivier PANAUD
<b>Number of teams and/or themes:</b>	7

## EXPERTS COMMITTEE MEMBERS

<b>Chair:</b>	Ms Christine FOYER, University of Birmingham, United Kingdom
<b>Experts:</b>	Ms Isabel BAEURLE, Universität Potsdam, Germany Mr Peter DOERNER, University of Edinburgh, United Kingdom Mr Philippe GALLUSCI, Université de Bordeaux (representative of CNU) Mr Philippe GIEGE, CNRS, Strasbourg (representative of CoNRS) Mr Johann JOETS, Inra, Gif-sur-Yvette (supporting personnel) Ms Aline PROBST, CNRS, Clermont-Ferrand Mr Hadi QUESNEVILLE, Inra, Versailles Mr Jean-Yves ROIGNANT, Center for Integrative Genomics, Switzerland

## HCÉRES REPRESENTATIVE

Mr Steven BALL

## REPRESENTATIVES OF SUPERVISING BODIES

Mr David GIBAND, UPVD  
Ms Catherine RECHENMANN, CNRS - INSB

## INTRODUCTION

### HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The Laboratoire Génome et Développement des Plantes (LGDP) has a long history of excellence since it was established in 1966. It is associated to the Centre National de la Recherche Scientifique and is currently associated as UMR5096 together with the University of Perpignan (UPVD) and CNRS (INSB). LGDP, which is located on the main UPVD campus in Perpignan is organized into 7 complementary teams. It is a member of the LabEx AGRO (Agronomie) and TULIP (Towards a Unified theory of biotic Interactions: the role of environmental disturbances).

### Management team

LGDP was directed by Jean-Marc DERAGON until December 31<sup>th</sup>, 2019 with Olivier PANAUD taking over from January 1<sup>st</sup>, 2020.

### HCÉRES NOMENCLATURE

SVE2.2 Génétique, génomique, bioinformatique, biologie systémique

SVE2.1 Biologie moléculaire et structurale, biochimie

SVE1.1 Biologie cellulaire et biologie du développement végétal

### THEMATICS

LGDP research focuses largely on basic mechanisms leading to variation in gene expression and genome reorganization in model plant species. Until recently, the personnel were organized in five teams specializing in plant molecular biology, cellular biology, genetic and genomics. Currently, LGDP is organized in seven interconnected research teams, one transversal platform/axis and on eight internal common services. Two teams focus on the basic science of genetic and epigenetic regulation of plant gene transcription. Three teams focus on post-transcriptional and post-translational gene regulation mechanisms. One team works on plant genome dynamics and evolution and one team focuses on eco-genomic models. The common theme that unites the seven LGDP teams is plant acclimation and adaptation to environmental changes.

### UNIT WORKFORCE

The Plant Genome and Development Laboratory (LGDP)		
Active staff	Number 06/30/2019	Number 01/01/2021
Full professors and similar positions	2	2
Assistant professors and similar positions	11	11
Full time research directors (Directeurs de recherche) and similar positions	4	4
Full time research associates (Chargés de recherche) and similar positions	8	7
Other scientists ("Conservateurs, cadres scientifiques des EPIC, fondations, industries, etc.")	0	0

High school teachers	0	0
Supporting personnel (ITAs, BIATSSs and others, notably of EPICs)	15	13
<b>Permanent staff</b>	<b>40</b>	<b>37</b>
Non-permanent professors and associate professors, including emeritus	0	
Non-permanent full time scientists, including emeritus, post-docs (except PhD students)	3	
PhD Students	6	
Non-permanent supporting personnel	0	
<b>Non-permanent staff</b>	<b>9</b>	
<b>Total</b>	<b>49</b>	<b>37</b>

## GLOBAL ASSESSMENT OF THE UNIT

The LGDP is located in Perpignan. It comprises of seven interconnected research units working on basic plant biology.

The unit encompasses the TULIP and AGRO LabExs and TULIP Graduate School of Research (TULIP-GSR) and has a very good to excellent ability to secure grants at the national level. The LGDP has an excellent publication record, with a significant number of publications in the highest rated academic journals such as the Nature family journals. The Unit is small but has a very good appeal internationally as evidenced by the large number of international visitors. The focus of LGDP research is basic science and hence translational research is not a priority. Nevertheless, interactions with the non-academic world are generally good. Students receive overall a very good training both at the master and most importantly PhD level. The LGDP has a vibrant life and organisational structure. The introduction of the transversal theme that engages all the teams is important as it will help secure the future of the unit both in terms of basic research but also in terms of engagement with industry and the wider community. There is a new management in place that is greatly appreciated by all the staff.

The LGDP has achieved commendable success in elaborating and strengthening its research efforts, attaining greater success in translational activities as well as basic science. The LGDP clearly also serves the needs of the local community as well as maintaining good scientific outputs and enhancing its reputation within the broader scientific community.

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