Saclay Plant Sciences LabEx

Kick-Off meeting

Research Working Group

October 13, 2011

Group Members

HIRT, Heribert		URGV	Group coordinator
HODGES, Michael		IBP	Projects coordinator
CRESPI, Martin		ISV	
HOFTE, Herman		IJPB	
BOUCHEZ, David		IJPB	

We discuss & make propositions to the Executive committee
We do not make final decisions

Discussions

2010 – before SPS project submission

SPS Research axes

SPS Research program - *Flagship projects*

2011 – after SPS project acceptance

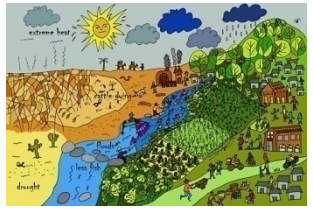
SPS Research grants - *Call for projects*

SPS Research Axes

1.





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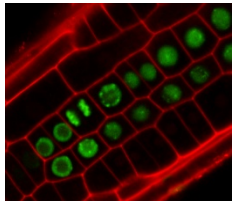
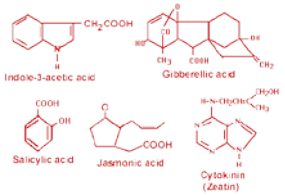
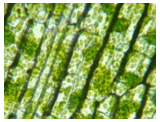
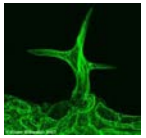
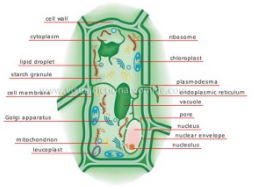

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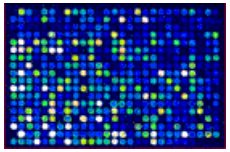
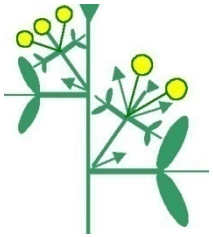




SPS Research Axes

1. Sustainable intensification of plant productivity in a fluctuating environment

2.

3.

4.

SPS Research Axes

1. Sustainable intensification of plant productivity in a fluctuating environment

2. Plants as factories: improving plant quality for food, feed, health, environment & industry

3.

4.

SPS Research Axes

1. Sustainable intensification of plant productivity in a fluctuating environment

2. Plants as factories : improving plant quality for food, feed, health, environment & industry

3. Plants to understand biological mechanisms

4.

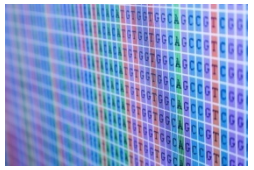
SPS Research Axes

1. Sustainable intensification of plant productivity in a fluctuating environment

2. Plants as factories : improving plant quality for food, feed, health, environment & industry

3. Plants to understand biological mechanisms

4. Developing new resources & biotechnology for research, translation & innovation



SPS Research Axes

Sustainable intensification of plant productivity in a fluctuating environment

Examples:

Tolerance to abiotic stress

Tolerance to biotic stress

Yield & lower inputs

Symbiont interactions

SPS Research Axes

Plants as factories : improving plant quality for food, feed, health, environment & industry

Examples:

Understanding complex metabolic pathways

Biomass biosynthesis & energy production

Green chemistry (oils, proteins, ligno-cellulose)

Secondary metabolites & quality proteins for nutrition & health

SPS Research Axes

Plants to understand biological mechanisms

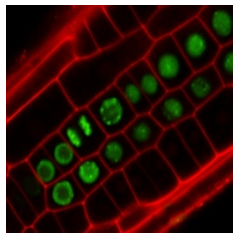
Examples:

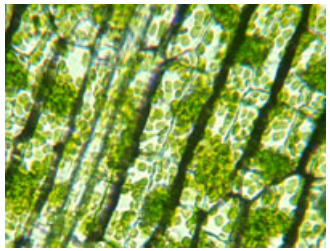
Meiosis, cell cycle & division

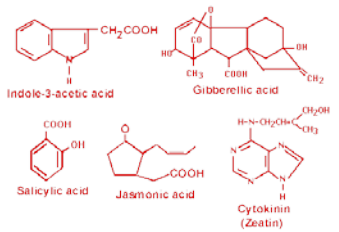
Hormone action, signalling cascades

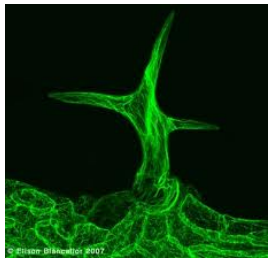
Plant organogenesis, plant development

Genome structure, dynamics, epigenetic regulation



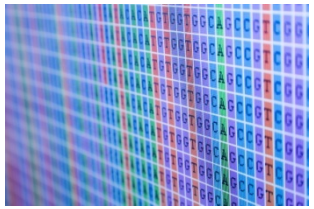


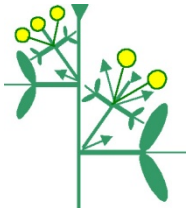




SPS Research Axes

Developing new resources & biotechnology for research, translation & innovation





Examples:

High throughput phenotyping

New sequencing technologies

Computing & modelling

Biotechnology & prevalorisation projects

Tools for translational biology

SPS Research Programs

Flagship projects

4 large collaborative & integrated projects

1 project per SPS Research Axe

Evaluated by the Scientific Advisory Board after 4 years

Mid-term report to evaluate progress of the project

SPS Research Programs

Flagship projects

Integrative analysis of stress responses
(*Heribert Hirt & Sebastien Aubourg,* URGV)

Metabolic interactions and fluxes for improved plant-biomass quantity and quality
(*Guillaume Tcherkez & Michael Hodges,* IBP)

Epigenetics and ncRNA-mediated regulation
(*Martin Crespi & Hervé Vaucheret,* ISV/IJPB)

Modelling developmental mechanisms
(*Patrick Laufs & Philippe Andrey,* IJPB)

SPS Research Programs

Flagship projects

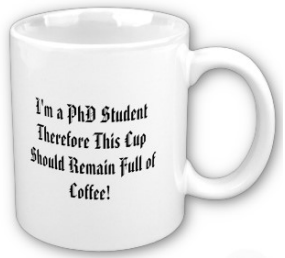
4 large collaborative & integrated projects

1 project per SPS Research Axe

Research grant program

SPS Research Grant Program

3 types of Project – 1 call per year



2 PhD (3-year salary + 15K€/year)

1 Post-doc (2-year salary + 15 K€/year)

Equipment (up to 15 K€)

To support & encourage innovative research
To strengthen scientific interactions
To support excellent young researchers
To help develop new approaches/technologies
To fund risky, explorative, interdisciplinary projects

SPS Research Grant Program

The « salary » projects

Processed by the *Research Working Group*

Evaluated by external & internal reviewers

RWG proposes a classification to the *Executive Committee*

Executive Committee makes final decision by consensus

The « equipment » projects

Processed & classed by the *RWG*

Executive Committee makes final decision by consensus

SPS Research Grant Program

Conditions

Projects must be relevant to at least 1 SPS Research Axe

Collaboration between SPS teams is welcomed

SPS Research Grant Program

Conditions

Projects must be relevant to at least 1 SPS Research Axe

Collaboration between SPS teams is more than welcomed

Reply to the call

Requires a short CV of project leader & key publications

Requires a list of persons involved & supplementary financial support

Requires a Project description (context/objectives/program) 5 pages max

Thematic axes relevant to the project:

□ Sustainable intensification of plant productivity in a fluctuating environment
□ Plants as factories: improving plant quality for food, feed, health, environment and industry
□ Plants to understand fundamental biological mechanisms
□ Developing new resources and biotechnology for research, translation and innovation

Collaboration between SPS teams: □ Yes □ No

If yes, number & names of the research teams and Institutes involved in the project

Teams

Laboratories (IBP, IJPB, ISV, URGV)

Title of the project:

Acronym:

Key words:

Scientific coordinator(s) (SURNAME First name, Institution, Laboratory)**:**

Type of project (select only one type):

□ PhD (3-year salary + 15 K€ / year)
□ Post-doc (2-year salary + 15 K€ / year)
□ Equipment (up to 15 K€)

Requested budget for equipment: €

Supplementary financial support for the project (source(s) and amount(s)):

Persons involved in the project

1) CV of the project leader *(1 page maximum)*:

2) Selection of publications of the project leader (*10 maximum***):**

3) Scientists involved in the project

Name	Institution	Lab	Function	HDR (yes/no)	Degree of involvement in the project

Description of the project (context, objectives, program, references…) *(3- 5 pages maximum)*

SPS Research Grant Program

Calendar

Presentation - Open call		October 13
Submission deadline		February 15
Results		April 30
Start of projects		July – end of 2012