

In the Biocontrol domain,  
with a dedicated team,  
PlantBIOs is :

### Bioinformatics & Genomics

structural and functional genomics,  
metagenomics, epigenetics...

### Mass Spectrometry and SPR

identification of proteins and metabolites,  
characterization of molecular interactions,  
profiling,...

### Microscopy

identification of organisms,  
cell and subcellular localization,  
molecular dynamics,  
transparency...

### Production and experiments in controlled (/confined) environments

4000m<sup>2</sup> of greenhouses and 80 climatic rooms

### Conservation, characterization and availability of biological material

Oophagous Insects (Trichograms)  
Plant nematodes



Expertise



Facilities



Training



Institut Sophia Agrobiotech  
400 route des Chappes  
Sophia Antipolis, France  
GPS 43°36'42.444" N 7°4'37.2" E



[https://www6.paca.inra.fr/  
institut-sophia-agrobiotech/  
Infrastructure-PlantBIOs](https://www6.paca.inra.fr/institut-sophia-agrobiotech/Infrastructure-PlantBIOs)



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In a scientific environment  
of excellence for biocontrol  
research, **PlantBIOs** offers  
you a unique know-how in  
the field of plant health  
and biotic interactions

PlantBIOs supports your  
projects with:

- ✓ Implementation  
of experiments  
under controlled  
conditions
- ✓ Production  
of biological  
material
- ✓ Cellular,  
biochemical  
or genomic  
analyses

PlantBIOs has been financed by :



Designed by  
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# PlantBIOs

An infrastructure which offers  
on the Sophia Antipolis site  
facilities, resources and expertise

Around tools  
from the gene to the agroecosystem

For an integrative  
approach to plant health

For the development of biocontrol  
and biostimulation methods and products

- ✓ Performing analyses and tests  
collaboration or service delivery
- ✓ Technological monitoring,  
adaptation of methods and  
custom developments
- ✓ Access to infrastructures and  
equipements  
imaging, climatic rooms,  
greenhouses
- ✓ Training and Expertise  
Bioinformatics,  
Mass Spectrometry, Microscopy,  
Breeding and Phenotyping...

Openness to the  
scientific community  
Academic and Business  
Partners

## Microscopy

## Bioinformatics Analysis

## Mass Spectrometry and SPR

## Experimental Facilities

**afaq**  
ISO 9001  
Qualité  
AFNOR CERTIFICATION

**EP-COLL**  
Biological Resource Center  
Egg Parasitoids Collection

**Biobanks**

Quality  
management  
approach  
iso 9001