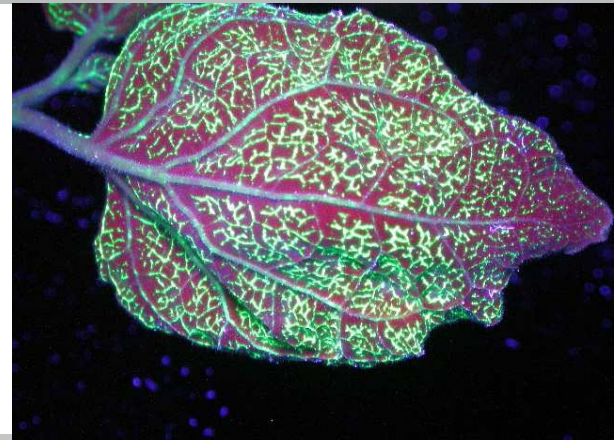


ENVIRONMENTAL BIOTECHNOLOGY AND GENETICS OF AGRICULTURAL SYSTEMS



INTRODUCTION

The members of this research group are located at the Genetics Unit in the Department of Cell Biology, Genetics and Physiology of the School of Sciences of the University of Malaga. Most of this group researchers also belong to the Instituto de Hortofruticultura Subtropical y Mediterránea "La Mayora" (IHSM-UMA-CSIC). Its scientific activity is centred on the study of plant-pathogen interaction, mainly in the molecular genetics of plant-phytopathogenic bacteria and plant viruses.

RESEARCH TOPICS

- Genetics and epigenetics of geminivirus-plant interaction.
- Microbial genetics of the plant roots.
- *Pseudomonas syringae*-bean interaction. *Pseudomonas savastanoi*-olive tree interaction.
- *Salmonella*-plant interaction.
- Phenotypic variation of *Pseudomonas syringae* and *Salmonella* in plant.
- Genetic and biochemical analysis of the replication of repetitive DNA sequences.

SCIENTIFIC-TECHNICAL SERVICES

- Control and phytosanitary research strategies.
- Diagnosis of viruses and bacteria in plant species of agrofeeding interest.
- Detection of phytopathogenic viruses and bacteria.
- Development of bioinformatic tools for application in the proteomics and genomics of plants.

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