

XII National Conference of the Italian Society of Plant Biology

Dipartimento di Bioscienze, Biotecnologie e Ambiente
Università degli Studi di Bari Aldo Moro

11-14 September 2023

PROGRAMME

11 September 2023

12:30-14:00 Registration and poster installation

14:00-14:30 **Opening ceremony**

Laura De Gara

Chiara Tonelli

Symposium 1

PLANT IMMUNITY

14:30-15:10 **Tina Romeis**

Leibniz Institute of Plant Biochemistry

Calcium signalling in plant immunity: how to vaccinate a plant?

15:10-15:40 **Giulia De Lorenzo**

Sapienza University of Rome

The evolution of plant immunity at the crossroad between defense and development: the role of damage-associated molecular patterns (DAMPs) in tissue injury.

15:40-16:25 3 Oral Presentations Selected from Abstract

16:25-17:00 **COFFEE BREAK**

17:00-17:45 3 Oral Presentations Selected from Abstract

17:45-19:00 **Round Table on “The state of the art of innovation in Agriculture”**

Moderator: Giovanni Matera RAI 3

Chiara Tonelli President of The Italian Federation of Life Sciences (FISV)

Piero Morandini, University of Milan

12 September 2023

Symposium 2

FROM SIGNALLING TO DEVELOPMENT

09:00-09:40 **Lieven De Veylder**

Ghent University

Restoring a damaged root stem cell niche

09:40-10:10 INVITED Speaker

10:10-10:55 3 Oral Presentations Selected from Abstract

10:55-11:30 **COFFEE BREAK**

11:30-12:15 3 Oral Presentations Selected from Abstract

12:15-13:30 **POSTER SESSION A**

13:30-14:30 LUNCH

Symposium 3

BIOTECHNOLOGICAL APPROACHES FOR CIRCULAR BIO-ECONOMY AND SUSTAINABILITY

- 14:30-15:10 **Vassilis Fotopoulos**
Cyprus University of Technology
Next generation chemical priming as a green strategy for sustainable agriculture
- 15:10-15:40 **Tomas Morosinotto**
University of Padua
Genetic engineering approaches to produce proteins, lipids and bioplastics from algae.
- 15:40-16:25 3 Oral Presentations Selected from Abstract
- 16:25-17:00 **COFFEE BREAK**
- 17:00-17:45 3 Oral Presentations Selected from Abstract
- 17:45-19:00 **ELEVATOR PITCHES**

13 September 2023

Symposium 4

PLANT ADAPTATION TO ENVIRONMENTAL CONDITIONS

- 09:00-09:40 **Frank Van Breusegem**
Ghent University
Hydrogen peroxide signalling in plants
- 09:40-10:10 **Maria Concetta de Pinto**
University of Bari
Redox signalling in plant heat stress response
- 10:10-10:55 3 Oral Presentations Selected from Abstract
- 10:55-11:30 **COFFEE BREAK**
- 11:30-12:15 3 Oral Presentations Selected from Abstract
- 12:15-13:30 **POSTER SESSION B**
- 13:30-14:30 LUNCH

Symposium 5

IMPROVING CARBON ASSIMILATION FOR PLANT PRODUCTION

- 14:30-15:10 **Johannes Kromdijk**
University of Cambridge
- 15:10-15:40 **Paolo Trost**
University of Bologna
Shedding light on dark complexes of the Calvin-Benson cycle
- 15:40-16:25 3 Oral Presentations Selected from Abstract
- 16:25-17:00 **COFFEE BREAK**
- 17:00-17:45 3 Oral Presentations Selected from Abstract
- 17:45-19:00 **General Assembly of the Italian Society of Plant Biology**
- 20:30-23:30 **Social Dinner**

14 September 2023

Symposium 6

NOVEL TECHNOLOGIES FOR MULTISCALE LEVELS OF INVESTIGATION IN
PLANT PHYSIOLOGY

- 09:00-09:40 **Manuel Rodriguez-Concepcion**
Spanish National Research Council
Coloring games: new ways of making and storing health-promoting
carotenoid pigments in plant cells
- 09:40-10:10 **Francesco Loreto**
University of Naples Federico II
Plant phenotyping: past achievements, state-of-the-art and future
perspective
- 10:10-10:55 3 Oral Presentations Selected from Abstract
- 10:55-11:30 **COFFEE BREAK**
- 11:30-12:15 3 Oral Presentations Selected from Abstract
- 12:15-13:00 **Congress Closure**