



Pectobacteriaceae : soft rot pathogenesis and symbiosis

The event is set to take place over two days on August 19 and 20. (mornings and afternoons).

Scope:

Pectobacteriaceae are well-known plant pathogenic bacteria that cause soft rot symptoms in a wide range of plants worldwide. The plant pathogens mainly belong to the genera *Pectobacterium* and *Dickeya*. These bacteria carry a large arsenal of plant cell wall-degrading enzymes. These enzymes together with other virulence factors are used to destroy plant tissue and feed on released nutrients. A few cases of insect and nematode symbionts belonging to the Pectobacteriaceae family have recently been isolated. Additionally, there have been a few cases of symbionts of insects and nematodes within the Pectobacteriaceae family. These bacteria are mainly associated with the recently described *Symbiopectobacterium* genus and play important roles as nutritional symbionts, defensive symbionts or reproductive parasites.

The purpose of this conference is to bring together experts working on Pectobacteriaceae to discuss recent developments and future research on different topics, including detection, crop protection and resistance, ecology, infection dynamics and reservoir, and molecular interactions: with the plant, the insect, the nematode, and the environment. The symposium will be divided in several specific sessions (oral and poster) devoted to these subjects and their future challenges.

Abstract submission: <https://www.icpp2023.org/call-abstracts>

First create a count on the icpp2023 website.

Submit your abstract to the satellite by selecting: the category 28.12

Abstract submission deadline: 15th of March 2023

Deadline/registration deadline:

The registration fee for the satellite event is 300 euros (VAT included) (including 2 lunches) but with a discount of -150 euros (-50%) for those that also register to the ICPP. (Fees for satellite events are listed on the website <https://www.icpp2023.org/registration>)
Satellite events will soon be published in the Newsletter of ICPP and registration will open on November 15th 2022.

Keywords:

Dickeya spp, *Pectobacterium* spp, *Symbiopectobacterium* spp, plant, insect, epidemiology, protection, reservoir, crop, molecular dialog, Pectobacteriaceae ecology, detection, soft rot, blackleg, pectinolytic enterobacteria.

Program/session:

The program will be organized around 4 main themes:

- Detection;
- Crop protection and resistance;
- Ecology, infection dynamics and reservoir;
- Molecular interaction: with the plant, the insect, the nematode and the environment.



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20-25 August, France



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Gala dinner:

departure at 5pm for the château de Julienas (1h15 journey by bus)
visit to the vineyards and cellars of Château de Julienas and dinner

Organizing and scientific committee:

- Marie-Anne Barny, Institut d'Ecologie et des Sciences de l'Environnement de Paris, Sorbonne Université, INRAE, France
- Guy Condemine, UMR 5240 Microbiologie Adaptation Pathogénie, CNRS, Lyon, France
- Denis Faure, Institute for Integrative Biology of the Cell (I2BC), CNRS; Paris, France
- Erwan Gueguen, UMR 5240 Microbiologie Adaptation Pathogénie, Université Lyon 1, Lyon, France
- Feth El Zahar Haichar, UMR 5240 Microbiologie Adaptation Pathogénie, INSA, Lyon, France
- Florence Hommais, UMR 5240 Microbiologie Adaptation Pathogénie, Université Lyon 1, Lyon, France
- Sylvie Reverchon, UMR 5240 Microbiologie Adaptation Pathogénie, INSA, Lyon, France
- Jan Van der Wolf, Wageningen University & Research; The Netherlands