

Carolina Fernandez, Futureco Bioscience



Carolina Fernandez was nominated by Rafael Juncosa, Futureco Bioscience: “ It is my great pleasure to recommend Dr Carolina Fernández, R&D Director at Futureco Bioscience, as IBMA VP candidate. As CEO of Futureco Bioscience, the company Carolina has worked for over the past 20 years, I have had the opportunity to work closely with her. I can confidently affirm that she has been not only a critical asset for the growth of the company but a very valuable reference for our whole network of stakeholders. Moreover, I have been extremely impressed with Carolina’s holistic understanding of Biocontrol. Starting by her outstanding technical education in Biology and Agriculture, she developed her expertise both from a scientific and a regulatory point of view, never overlooking the Market. I have no doubt she will bring, if elected, the same independent and unbounded perspective to the role of IBMA VP. I am convinced that the Biocontrol sector would benefit greatly from Carolina’s broad experience in innovative and sustainable biocontrol technologies as well as her deep understanding of the regulatory international landscape. I therefore recommend Carolina for the VP position at IBMA, without reservation.”

Please find Carolina Fernandez’s CV in the following pages:



CAROLINA FERNÁNDEZ

EXPERT IN SCREENING,
RESEARCH AND REGULATION OF
BIOLOGICAL CONTROL AGENTS

PROFILE

Born in Barcelona, 1966

I am a veteran of the biocontrol industry with extensive experience in biocontrol technologies, looking to further my career in innovative research helping companies to deliver new tools and methods continuously.

President of IBMA-Spain
from March 2011 to March 2013,
representing 41 Biocontrol Spanish
companies in the IBMA Global.

Active Member of IBMA Global since 2004

EDUCATION

1997, PhD in Biology
Autonomous University of Barcelona (Spain)
*"Selection of experimental and commercial rootstocks
against nematodes"*

1993, Agriculture Engineer
Polytechnical University of Catalunya (Spain)
*"Host-pathogen relationship between nematode
Pratylenchus vulnus in apple and pear rootstocks"*

WAYS TO REACH ME

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WORK HISTORY

Project Management

2019-2021, Ministry of Science and Innovation/ Cordoba University
*"Pre-commercial formulation development based on the entomopathogenic fungi
Metarhizium brunneum for the control of the olive fly."*

2016 - 2018, Regional Agency for Enterprise Competitiveness (Spain)
*"Design of Enzyme Technologies from by-products of plant origin for the
production of Bioactive Molecules with Biostimulant action and / or "low-risk" Plant
Protection Products"*

2015, Regional Agency for Enterprise Competitiveness (Spain)
*"Design of enzymatic processes for obtaining Biostimulants low risk products from
local vineyards and olive groves"*

2012- 2014, Centre for Technological and Industrial Development (Spain)
*"Development of a new Biofungicide or Biobactericide for the control of Plant
Diseases"*

2007-2009, Regional Innovation and Business Development Centre (Spain)
"Development of a new Bionematicide to control nematodes"

2005-2007, Centre for Technological and Industrial Development (Spain)
*Development of a Bioinsecticide for the Biological Control of Black Weevil in
Banana*

Project Advisor

2011-2013, Ministry of Science and Innovation
"Integrated strategies towards a safe and efficient use of Plant Protection Products"

2007-2009, Ministry of Industry, Trade and Tourism
*"Soil enzymology and its influence on presence and diversity of BCA antagonist to
nematodes"*

2007-2009, Interministerial Science and Technology Commission
"Models of Prediction for Meloidogyne Management and Biorational Methods"

Researcher

1997-1999, Alabama University (USA)
Research Project for Valent (former Abbott laboratories): "DITERA®, a new
microbial bionematicide"

CAROLINA FERNANDEZ

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PLANT PROTECTION PRODUCTS PATENTS

- European Patent N° EP 3 209 132 B1 and US patent N° US 10729140 B2: "Bacteria with Nematicidal Activity and the Ability to Promote Plant Growth."
- European Patent No EP3607048: "A strain of *Pseudomonas putida* and its use in the control of diseases caused by bacteria and fungi in plants"
- PCT/EP2016/053551 "Bacteria with Nematicidal Activity"
- Patent application submitted. Priority date: 18/03/2019 "*Pseudomonas* sp. strain, composition comprising the same and uses thereof" International publication n° WO 2020/187822 A1
- Patent application submitted. Priority date: 18/12/2018 "*Microbaterium esteraromaticum* strain, composition comprising the same, and uses thereof" International publication n° WO 2020/127364
- Patent application submitted. Priority date: 05/03/2019. "*Bacillus halosaccharovorans* strain, composition comprising the same and uses thereof" International publication n° WO 2020/178368 A1

ACTIVE SUBSTANCES REGISTERED IN EUROPE

- *Isaria fumosorosea* FE9901 (formulation: NOFLY®)
- *Streptomyces lydicus* WYEC 108 (formulation: ACTINOVATE®)
- *Pseudomonas putida* B2017 under registration process

SINCE 2001, R+D DIRECTOR AT FUTURECO BIOSCIENCE

Member of the company Board of Directors.

Among other functions:

- Developing Research, Registration and Commercialization Agreements with third parties leading to strategic alliances for the company
- Coordinating and supervising internal and external lab and field studies for Registration and Patent purposes.
- Preparing, submitting and reviewing Registration Dossier for new active substances (Microbial & Botanical Biopesticides) as well as Patent applications

KNOWLEDGE TRANSFER

Symposiums: 21 presentations as invited speaker

Courses: 5 courses as invited speaker

Scientific papers: 33 papers published in International Scientific Journals

Technical papers: 23 papers published in Technical Journals

Conferences: 47 communications

