

PLANT PRODUCTION



Marc Bardin
DR INRAE, UPR Vegetal Path

Trained as a microbial ecologist and specialist in plant pathology, with expertise in the biocontrol of airborne fungal diseases of plants. Former director of the INRAE Pathologie Végétale research unit (2014-2020), expert for ANSES, Ecophyto CSO R&I and CTPS, current vice-president of the Organisation Internationale de Lutte Biologique et Intégrée, section Ouest Paléarctique (2021-2025) and corresponding member of the Académie d'Agriculture de France.



Laurent Legendre
PU AU UR PSH

As a physiologist specialising in plant interactions with pathogenic and phytobeneficial micro-organisms, I work on biostimulants, organic amendments and plant-soil-micro-organism interactions in relation to the quality of plant production. Head of the Sciences and Sustainability of Plant Production (SDPV) Masters at Avignon University.

CROSS-DISCIPLINARY TEACHING

Florent Bonneau
MC AU UPR 2151 LMA

A mathematician-statistician specialising in spatial data science and learning, my research focuses on the analysis and spatial modelling of geo-referenced data in the field of geostatistics and spatial point processes. I am also interested in the development of hybrid multi-scale modelling combining parametric statistical models and machine learning for applications in agronomy, the environment and epidemiology in particular.



TRANSFORMATION OF PLANT MATERIAL



Carine Le Bourvellec
DR INRAE UMR SQPOV

A biochemist by training, my research focuses on the mechanisms of destructuration and reorganisation of the molecular assemblies of fruit and vegetables during processing and storage of processed products. I study the interactions between polyphenols and cell walls and their consequences on the extractability and bioavailability of polyphenols, on the functional characteristics of polysaccharides, and on the fermentation kinetics of dietary fibres and polyphenols by the human intestinal microbiota. I am co-leader of the QuAlim team at UMR SQPOV.



Philippe Obert
PU AU, Director



Physiologist by training, specialist in cardiac pathophysiology, with expertise in the primary and secondary prevention of cardiovascular disease through physical exercise and nutrition. Former Director of a doctoral school in Agrosciences & Sciences (2010-12), then Vice-President for Research (2012-2016) and Deputy Vice-President for Innovation (2016-2023) at Avignon University.

Cindy Morris
DR INRAE, Co-director



Research focuses on microbial ecology and elucidating how the adaptation of microorganisms to their habitats affects conflicting impacts on the environment: their capacity to cause emerging diseases and to play beneficial roles in major environmental phenomena – the water cycle in particular, concerning mostly the bacterium *Pseudomonas syringae*. Implicated in fostering understanding and adoption of the concept and practices of One Health.

PLANT-BASED FOOD & HEALTH

Florence Coste
MCF AU UPR LaPEC



As a physiologist and a pharmacist by training, I study vascular and cardiac pathophysiology. My research focuses on identifying cellular pathways involved in cardioprotection triggered by environmental factors, such as physical exercise or dietary supplementation with plant-based compounds. I am a member of LaPEC's NO-STRESS axis.



Jean-François Landrier
DR INRAE UMR C2VN AMU

A molecular biologist by training, specialising in the relationship between diet and health, she is particularly interested in the effects of micronutrients on cardiometabolic health, studying in particular their effects on the biology of adipose tissue and their impact on obesity, metabolic inflammation and insulin resistance. Head of the international section of the AMU Master's in Biology and Health, the PhénoMARS platform and the CriBiom partnership research structure.



ADMINISTRATIVE STAFF



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