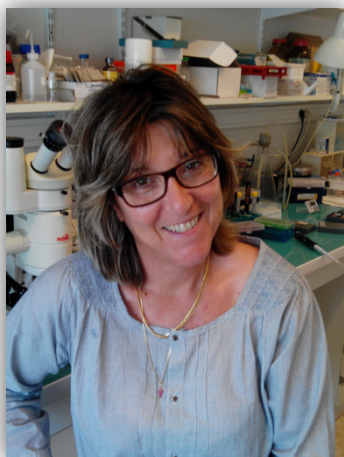


ORGANISING COMMITTEE

Marie-Noël ROSSO, Elise COURVOISIER-DEZORD, El Hassan
AJANDOUZ et Marc MARESCA

SCIENTIFIC COMMITTEE



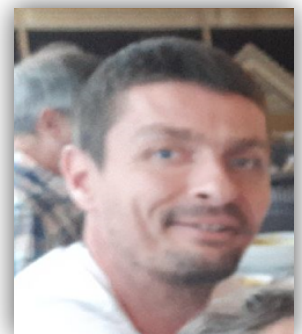
Josette Perrier is a doctor in immunology and a university professor in biology at Aix-Marseille University, Faculty of Sciences. She is a member of the Institute of Molecular Sciences of Marseille, UMR7313 Aix-Marseille University/CNRS/Ecole Centrale, Biosciences team, which is located at the Chemistry-Biology interface. She has expertise in intestinal biology and physiology. She leads a "peptide" research group which studies antimicrobial molecules such as antimicrobial peptides from the intestinal microbiota necessary for the fight against pathogenic intestinal bacteria. She is also developing studies on the biosynthesis, structure and function of new AMPs and antimicrobial molecules with the aim of valorising them by using them as alternatives to current antibiotics. Her work combines methods of microbiology and microbial ecology, in vitro and in vivo cell biology, microscopy, peptide and protein biochemistry and molecular biology.

Dr El Hassan Ajandouz. After his thesis in 1993 on the mode of action of alpha-amylases, El Hassan Ajandouz taught and conducted research in the fields of nutritional biochemistry and food science and safety, in particular through the supervision of half a dozen theses. He has been in charge of a master's degree in these fields since 2007.



Dr. Michael Lafond is a Senior Lecturer in Biochemistry and Molecular Biology at Aix-Marseille University since 2014. After presenting his PhD thesis in 2010 and during his post-doctoral years, he was interested in the discovery and characterization of new families of fungal enzymes. Since 2014, he has been working on the discovery and potential therapeutic use of antimicrobial peptides and other secondary metabolites of bacterial or fungal origin and on the involvement of oxidoreductases in the mechanisms of fungal pathogenicity.

Dr. Marc Maresca is currently a lecturer in biochemistry at Aix-Marseille University. After defending a thesis in 2003 on the effects of food mycotoxins (notably deoxynivalenol, ochratoxin A and fumonisin) on the functions of the human intestine, he subsequently became interested in the impact of mycotoxins on other organs, including the brain. More recently, he has been working on the potential therapeutic use of fungal secondary metabolites and the use of chemical or natural compounds with antifungal action to reduce the risk of mycotoxins.



Elise Courvoisier-Dezord is a biotechnology engineer in the Joint Research Unit 7313 /Aix-Marseille University / Ecole Centrale "Institut des Sciences Moléculaires de Marseille". She started her career in 2010 as technical manager of a shared Biotechnology platform between iSm2 and IMBE where she offers her services in the fields of genetic analysis, fermentation in liquid and solid media (bacteria, yeast and filamentous fungi), purification of proteins or metabolites of interest and screening of the antimicrobial activity of synthetic or natural compounds



Dupuy Nathalie is a doctor in analytical chemistry and a professor in analytical chemistry and chemometrics at the Faculty of Sciences of Aix-Marseille University. She joined the IMBE (Mediterranean Institute of Biodiversity and Marine and Continental Ecology) and the "Biotechnology and Chemometrics" team in 2016. She develops advanced methodologies in analytical data processing (chemometrics) and analytical chemistry approaches (spectroscopy and chromatography). She is involved in two main research areas: the development of fungal biopesticides and the recognition of food authenticity. She is co-author of 132 publications, 53 conferences.

Nadira Taïeb is a lecturer in organismal biology at the University of Aix-Marseille. Her thesis, defended in 1996, focused on the digestive ecophysiology of a herbivorous gastropod, *Aplysia punctata*, and the impact of the consumption of a tropical green alga, *Caulerpa taxifolia*, on the structure and function of the digestive gland. Since then, she has been interested in cell membrane interactions with potentially pathogenic micro-organisms and the effects of their toxins (cyanotoxins, mycotoxins) on target organs. Recently, her research activity within the BEC (Biotechnology and Chemometrics) team of the IMBE (Institut Méditerranéen de Biodiversité et Ecologie Marine et Continentale), was part of a biological control project using lactic acid bacteria (LAB) to control the level of ochratoxin A (OTA) on coffee beans. She studied the physical BAL-fungus ochratoxinogen interaction and its deleterious effects on 2 strains of *Aspergillus* and OTA production.





Rayhane HAMROUNI is a doctor in "chemical sciences" at the University of Aix Marseille and "biological sciences" at the Faculty of Sciences of Tunis. Her thesis, defended in 2019, focused on the study of the growth physiology and metabolism of filamentous fungi for the production of antifungal secondary metabolites by solid-state fermentation (SSF). She is currently a post-doc at IMBE (Institut Méditerranéen de Biodiversité et Ecologie Marine et Continentale) on the Alcove project (AgricuLture bioContrôle biOfertilisant ViticolEs), which aims to develop new agricultural practices that respect human health. She is involved in the development of 3 research areas (i) Production of a cocktail of biocontrol products for vine phytopathogens by FMS, (ii) Extraction and characterisation of Trichoderma antifungal metabolites and (iii) Evaluation of the genotoxicity of fermentation products, mainly antifungal metabolites (peptaiboles, 6-pentyl-alpha-pyrone, Viridines, Koninginines, etc.).

Sevastianos ROUSSOS, DR1 emeritus IRD. He holds a BTS in medical analysis, a master's degree in structural and metabolic biochemistry, and a doctorate in natural sciences (1985) in biotechnology of filamentous fungi. He has worked on post-harvest moulds of wheat (Tunisia), olives (Morocco) and coffee (Ivory Coast and Mexico) and has directed several theses on mycotoxinogenic moulds. He is currently pursuing his research in Biocontrol and is studying the sporulation and primary and secondary metabolism of moulds grown in solid media in a single-use fermenter to produce biofertilisers, biostimulants and biopesticides.





UMR 1163

Biodiversité et

Biotecnologie

Fongiques



Marie-Noëlle Rosso is interested in the mechanisms of colonisation of plant tissues by eukaryotic microorganisms. Following a PhD thesis (1993-1996) at the Institut Sophia Agrobiotech and Wageningen University in the Netherlands, she studied the determinants of the pathogenicity of biotrophic plant parasitic nematodes, the plant wall degrading enzymes secreted during infection and the effectors involved in the repression of plant basal defences. In 2011, she joined the Fungal Biodiversity and Biotechnology unit in Marseille, to focus on the mechanisms of adaptation of filamentous fungi to the colonisation of plant substrates recalcitrant to degradation.

Anne Favel is a Doctor of Pharmacy and a Doctor of Science. She teaches Botany and Mycology at the Faculty of Pharmacy of Marseille. After having developed research work in the field of medical mycology, she joined the INRAE/AMU Fungal Biodiversity and Biotechnology Unit. For more than 10 years, she has been putting her expertise at the service of CIRM-CF, a Biological Resource Centre dedicated to filamentous fungi of agro-industrial interest and to their valorisation.





David Navarro is an engineer in fungal biotechnology, in the INRAE/Aix-Marseille University Joint Research Unit 1163 "Fungal Biodiversity and Biotechnology". He started his career in 1998 where he became interested in the fungal biotransformation of aromatic compounds (derived from cinnamic acids) into high value-added molecules, such as flavourings or antioxidants. Subsequently, his work focused more broadly on exploring the functional biodiversity of filamentous fungi, and in particular on understanding the enzymatic mechanisms of transformation of lignocelluloses, especially polysaccharides of plant origin. He holds a Master's degree in Microbiology, Plant Biology and Biotechnology, and a University Diploma in Mycology. In the BBF laboratory, he is developing approaches to molecular taxonomy, fermentation and comparative secretomics, in order to identify new key enzymes in the destructuring of plant biomasses. Since its creation, he has been involved in the CIRM-CF (International Centre for Microbial Resources - Filamentous Fungi, www.cirm-fungi.fr) of which he is currently Deputy Director. The CIRM-CF provides the scientific community (academic and industrial) with more than 3,000 characterised fungal strains of various species and origins, as well as several associated services.

Quentin ALBERT is a doctor of pharmacy and lecturer in mycology at the Faculty of Pharmacy of Aix-Marseille University. He joined the INRAE unit Biodiversity and Fungal Biotechnology (UMR 1163) and the CIRM-CF in 2020. He has worked on the adaptation of fungi to metal stress and their use in the bioremediation of soils contaminated by trace metals. He is currently developing a new theme focusing on the adaptation of fungi to biotic and abiotic environmental stresses and their influences on fungal metabolism. One of the objectives is to exploit fungal biodiversity and its metabolites for their antibacterial activities.

