

Invited
Speaker

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Unlocking the Potential of Bioelectrochemical
Systems: Challenges and Innovations
(M0401)

TALK TITLE

Unlocking the Potential of Bioelectrochemical Systems:
Challenges and Innovations

ABOUT

Researcher in process engineering and bioprocesses and leader of the Biofilm Engineering team at the Chemical Engineering Laboratory in Toulouse, specialising in the engineering of bioprocesses and living systems.

"A biofilm is a complex biological ecosystem, a community of microorganisms embedded in a protective matrix of polymers, attached to natural or artificial surfaces. You find them everywhere around you, on you and even in your body. What if biofilms were like a rugby match? The first half would be the formation, the building of a team from individuals with different morphotypes and qualities.

The second half would correspond to the expression of the team's full synergistic activity, when the individual perfects the collective. In the midst of all this, my role is coaching: to dissect the genius and shortcomings of each individual, to understand the relationships between individuals within the community, to avoid adversaries, to learn from failures, to give each individual every chance to develop to the highest level... This is my very inventive vision of my mission as a researcher at the CNRS. "