

Keep-in-Touch meeting (May 20, 2026)

Towards a Multiphysics Numerical Model of an Atmospheric Pressure Plasma Jet for Biomedical Applications

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This seminar will present the development of a numerical model for an Atmospheric Pressure Plasma Jet with potential biomedical applications. The presentation will address the physical and computational framework of the multifluid model, with particular emphasis on its implementation using the Finite Volume Method. The aim is to describe the current state of the simulation code, the assumptions adopted in the model, and the preliminary results obtained. The seminar will also outline the first steps currently being taken towards a more complete model, including early developments related to gas flow and chemical kinetics.