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## **On the use of complementary diagnostics for plasma jet delivery on targets relevant for biomedical applications**

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This presentation will review different diagnostics used to study atmospheric pressure plasma jets in the presence or not of a target (conductive target, dielectric target, liquid target of various conductivities). Among all, these diagnostics include Optical Emission Spectroscopy, Fast Imaging, Laser Absorption, Laser Induced fluorescence, Schlieren measurements, Current and Electrical Field measurements. It will be shown how the complementary obtained data can be used to access precise description of the evolving generated plasma over time and space and the related induced plasma chemistry. The role of the target and its nature on the plasma characteristics will be underlined.