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Nanoneedle-Based Sensing and Delivery

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ABSTRACT. Nanoneedles are rapidly emerging as a tool to interact with the intracellular environment of a large number of cells simultaneously, with limited perturbation of their physiological processes. This interaction provides characteristic advantages for minimally invasive cell and molecular biology investigations, as well as progression of biomedical translation of regenerative and precision medicine approaches. A quick string of several successful proofs of principles have established nanoneedles' potential to efficiently deliver impermeant molecules and nanoparticles

Ospite: Prof. Paolo Bergese

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