

## **The era of the intelligent optical microscope towards extracellular vesicles visualization**

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The intelligent microscope includes advanced fluorescence, super resolution and label-free optical approaches boosted by a computational artificial intelligence core based on supervised convolutional neural networks and independent component analysis (ICA) with the ambitious target to create a robust virtual environment &quot;to see &quot;what we could not perceive before. An interesting case study is related to the visualization of extracellular vesicles.