Next Generation Biophotonics methods and devices as research tools to understand the cellular origin of diseases- ICT36

REVEAL

neuronal micRoscopy for cEll behaVioural Examination and mAnipuLation

The consortium aims to develop an **AI-based neuronal microscope** capable of intelligent action

A device with built-in capacity to follow and **characterize the behavior of 2-D or 3-D structures**

Trained to **recognize a target** based on a **data-rich image, its transcriptome and proteome**

A device capable of **picking-up specific cells of interest** from a heterogenous mix for analysis

Revealing **heterogeneity** inherent in **liver dysmetabolism and cancer**

An AI-powered device that can reveal, predict, act and help discover

The ENS de Lyon talks about it:

http://www.ens-lyon.fr/en/research/research-projects/horizon-2020-funded-projects/h2020-project-reveal