SINGLE-MOLECULE FLUORESCENCE SPECTROSCOPY EQUIPMENT

The patent request deposited by UNICAMP comprehends a single-molecule fluorescence spectroscopy equipment that can be used in slow kinetics and floating phenomenon studies. One the advantages of the invention is the elimination of the “dead time” associated with limited observation volumes in analytical and physical-chemical techniques conventionally used to investigate concentrations and kinetics in liquids. By means of ultra-sensitive detection, this equipment allows the monitoring of fluorescence intensity of all the molecules in the researched system and also creates the possibility to observe all the events that lead to a chemical reaction.

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We’re searching for partners to license and develop this technology

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