

Part II: Life Sciences

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Analytical Solutions for Bioprobes Characterization

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Abstract

The need for fluorescent bioprobes has exploded in the last decades in the Life Sciences and Medical domains for applications such as bioimaging, lab-on-chip diagnostics, drug development or cell sorting.

Being able to measure the emission, structural and surface properties of these bioprobes is key to better understanding how they interact with biological samples.

This talk gives an overview of HORIBA's analytical solutions to help with the development of tailored and stable emitting bioprobes, in particular through the optimization of their chemical synthesis, with a focus on Fluorescence Spectroscopy and Particle Characterization.