PLENARY LECTURE

Upconversion Super Dots for Biophotonics and Nanophotonics Applications

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The presentation will showcase efforts in translating both high-brightness lanthanide probes and time-resolved photonic sensing techniques to integrated biomedical devices, towards solving the ‘needle in the haystack’ problem in rapid diagnostics and super resolution imaging applications. A joint effort across a broad spectrum of disciplines via interdisciplinary, interdisciplinary and industry collaborations will have a major impact leading to new quantitative biotechnology and cell biology methods [1-4].

References


