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[22p-E103-1~6]Fluorescence energy transfer engineering

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Tue. Mar 22, 2022 1:30 PM - 4:25 PM E103 (E103)

△ : Presentation by Applicant for JSAP Young Scientists Presentation Award

▲ : English Presentation

▼ : Both of Above

No Mark : None of Above

3:10 PM - 3:40 PM

[22p-E103-4]Biomedical application of quantum dots by energy transfer engineering

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Keywords:quantum dots, fluorescence resonance energy transfer, in vivo imaging

Quantum dots have already been put into practical use in the communication and video fields due to their extremely excellent optical properties (ultra-high definition, ultra-high sensitivity, ultra-long life, energy saving, low cost) based on quantum nanooptics. In this symposium, I will outline the bioimaging diagnosis and treatment technology for iPS cells / stem cells and cancer cells by quantum dots using energy transfer engineering, which I have been working on. I would also like to introduce the front lines in regenerative medicine and cancer medicine applications.