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강연제목: 파장 변조 광원의 의광학 분야 응용/

Akinetic wavelength variable light source for biomedical applications.

Abstract:

We introduce custom-built wavelength-variable light sources for biomedical applications such as optical coherence tomography (OCT) and photoacoustic microscopy (PAM). It is crucial for the light source to possess flexibility to meet or adjust to the requirements of each application. In this study, we present an akinetic wavelength-swept sources for fast OCT angiography, and a wavelength-switchable nanosecond pulsed light source for multi-spectral photoacoustic microscopy.

Brief Biosketch

Assistant Professor at Dep. of Opto-Mechatronics and Engineering, Pusan National University:

09/2023 ~

Research Fellow at Harvard Medical School: 2019/03~2023/08

Research Fellow at Wellman Center for Photomedicine, Massachusetts General Hospital:

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Research Fellow at Advanced Photonics Research Institute: 2015/09~2019/02