

Special Issue

Optical Coherence Tomography in Biomedicine

Message from the Guest Editor

Dear Colleges, Optical coherence tomography (OCT) has revolutionized ophthalmology and is becoming an essential diagnostic tool in the field of cardiology, and is also an emerging technique in the field of oncology, dermatology, gastroenterology, pulmonary medicine, gynecology, surgery guidance and evaluation, and other areas of biomedicine. This Special Issue features every aspect of the recent advances in OCT technology, including new lasers and OCT light sources, novel instrumentation, new sensing methods, novel fiber-optic techniques, novel methods for processing OCT data, ultrahigh-resolution OCT, functional OCT, OCT on a chip, etc. We also encourage translational research involving the development of novel imaging devices and analytical methods from bench to bedside, novel OCT applications for disease diagnosis, monitoring and treatment evaluation in clinic, as well as new OCT technologies and applications for basic science and animal research, any other new frontiers related to OCT, and OCT applications beyond biomedicine. Keywords: optical coherence tomography; functional OCT; catheters; multi-modality imaging; artificial intelligence; translational research; biomedicine

Guest Editor

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Deadline for manuscript submissions

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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