

Special Issue

Biophotonics in Disease Diagnosis and Therapy

Message from the Guest Editor

Biophotonics is a fast-growing field with a very broad spectrum of technologies and techniques, from imaging to novel tools for surgery, with applications from ophthalmology to oncology. Even so, laser and sensing technologies (often inter-connected) have the potential to open a range of novel medical applications. Every type of disease features signature biomolecular components, requiring individual diagnostic techniques and a particular cure. Thus, the main targets of biophotonic research can be formulated as the development of effective and reliable techniques for use in detecting, predicting prognosis, and treating disease. This Special Issue will highlight the extraordinary performance of modern photonic research in biomedicine. The articles should present the recent status of laser technology applied in the biomedical field, focusing on biosensors, bioassays, imaging, photonics-based devices for in vivo/in vitro disease diagnosis, the application of light for treating disease, and a number of others.

Guest Editor

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