



Ultrafast Photonics for Biomedical, Biological and Life Science Applications

Guest Editors:

Dr. Cyril Mauclair

Hubert Curien Laboratory, Jean Monnet University, 18 Rue Professeur Benoît Laurus, 42100 Saint-Etienne, France

Dr. Xxx Sedao

Hubert Curien Laboratory, Jean Monnet University, 18 Rue Professeur Benoît Laurus, 42100 Saint-Etienne, France

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Message from the Guest Editors

Dear Colleagues,

Courtesy of its ultimate precision, ultrafast laser patterning has become a widespread technique for the micro- and nanostructuring of bulk as well as surface modification of a wide variety of materials and tissues.

Ultrafast laser-induced surface and bulk functions have frequently been reported on in the literature concerning biocompatible materials and biological tissues/organs, with current hot topic functions such as repellent surfaces, antibacterial and antiviral surface properties, etc.

We would like to encourage researchers to showcase their latest research findings through the upcoming Special Issue, to share their most recent results related to bulk or surface processing with femtosecond and picosecond pulses of biological tissues and/or biocompatible materials with the scope of rendering a local function of interest in the biomedical, biological, and life science domains. Particular interest is devoted to advanced laser beam delivery (to the site of interest) and modifications at the micrometric and/or nanometer level, as these scales are well-adapted for ultrafast laser irradiation.





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Editor-in-Chief

Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Message from the Editor-in-Chief

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Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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