



photonics

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New Shining Spots in Biomedical Photonics

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Message from the Guest Editors

Dear Colleagues,

We are excited to announce a forthcoming Special Issue in *Photonics* dedicated to the latest and most groundbreaking developments in the realm of biomedical photonics to solve problems arising in medicine and biology.

This Special Issue seeks to showcase the diverse range of innovative techniques and applications that are reshaping the landscape of biomedical optics. These new shining spots might be novel approaches bringing well-established photonic techniques back into the spotlight, instrumental advancements that unlock new dimensions in our understanding of crucial cellular mechanisms, or promising emerging technologies enabled by progress in AI and quantum physics.

We welcome fundamental research, advanced technologies, and innovative applications in the form of theories, simulations, or experiments. Manuscripts will include, but are not limited to, the following topics:

- Tissue optics;
- Photonic devices;
- In vivo imaging;
- Biomedical diagnostics;
- Biophotonics for therapeutics;
- Biomedical imaging with AI;
- New frontiers in biophotonics.



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Special Issue