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Clinical Translation of Novel Photonics Technologies: From Fundamental Research to Clinical Practice

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Message from the Guest Editors

For this Special Issue, we welcome contributions of original articles and reviews from researchers working on biophotonics approaches for biomedical applications. Recent advances in (bio)photonics technologies have widely increased the clinical translation of molecular diagnostics and light treatments, improving patient prognoses and overall survival rates.

Biophotonics has overlaps with many other fields. For example, in mathematics, biophotonics has applications in statistics for artificial intelligence, machine learning, and multivariate analysis, and high-throughput screening.

This Special Issue welcomes original articles and reviews addressing the aforementioned biophotonics research domains. This Special Issue plans to assist in enabling clinical translation and to present breakthroughs in fundamental research. We also welcome feasibility studies with small numbers of patients, on the condition that the results support the conclusions drawn by the authors and the study limitations are acknowledged. Finally, we require that submissions are focused on biomedical applications.