

# Special Issue

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

### 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.

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### Guest Editors

Dr. Marcelo Saito Nogueira

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### Deadline for manuscript submissions

closed (10 May 2024)



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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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### Editor-in-Chief

Prof. Dr. Nelson Tansu

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