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Recent Progress in Biophotonics

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Message from the Guest Editors

Dear Colleagues,

Biophotonics, a multidisciplinary field at the intersection of biology, optics, and photonics, has witnessed remarkable advancements in recent years. This Special Issue, titled "Recent Progress in Biophotonics", aims to showcase the latest breakthroughs and innovations in various cutting-edge biophotonic imaging techniques and their applications in biomedicine. This collection of research articles brings together the most current developments in optical coherence tomography (OCT), optical coherence microscopy (OCM), photoacoustic tomography (PAT), photoacoustic microscopy (PAM), fluorescence microscopy (FM), as well as the emerging fields of pulmonary applications, cardiology applications, clearings, and organoids. Additionally, the integration of machine learning in biomedicine will be explored to demonstrate its potential in advancing the capabilities of biophotonics. As we delve into this Special Issue, we anticipate that the recent progress of research presented here will inspire further innovations in biophotonics, propelling the field towards unprecedented advancements in biomedical imaging and its impact on biophotonics.