



International Symposium on Biomedical Imaging and Optical Diagnostics

Biophotonics • Medical Imaging • Optical Therapeutics

This international symposium will be organized within the scope of INTERPHOTONICS 2026 and aims to bring together researchers, clinicians, and engineers working at the intersection of photonics and medicine, with a focus on advanced optical imaging, diagnostics, and therapeutic technologies.

Scope: This symposium serves as a major interdisciplinary platform linking medicine and photonics. It covers state-of-the-art optical imaging modalities, diagnostic tools, therapeutic systems, and the clinical translation of biophotonics technologies. The symposium encourages interaction between physicists, engineers, biomedical researchers, clinicians, and industry experts.

Topics of interest include, but are not limited to:

- Innovations in optical coherence tomography (OCT) systems and applications
- Raman spectroscopy and imaging for disease detection and tissue analysis
- Fluorescence imaging techniques and molecular contrast agents
- Photothermal and photodynamic therapy systems
- Artificial intelligence-enabled optical diagnostics and medical image analysis

Applications: Research presented in this symposium is expected to contribute to a wide range of biomedical and clinical applications, including cancer diagnostics and monitoring, ophthalmology, dermatology, vascular imaging, image-guided and minimally invasive surgery, and advanced therapeutic interventions.

Symposium Organization Opportunity: Researchers with strong expertise and an active publication record in biophotonics, medical imaging, optical diagnostics, or optical therapeutics are warmly invited to take an active role in the organization of this symposium. Interested participants may serve as Symposium Chair or Co-Chair, contribute to shaping the technical program, invite keynote and invited speakers, and lead focused scientific discussions aligned with their clinical or technological expertise.

How to Apply as Symposium Chair: Researchers who wish to organize or chair this symposium are kindly invited to contact the Conference Chair with a brief statement of interest, including their research background, proposed focus areas within the symposium scope, and potential invited

speakers. All applications will be evaluated by the INTERPHOTONICS 2026 Organizing Committee.

Contact Information

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INTERPHOTONICS 2026 Website

<https://www.interphotonics.org>