

# Topical Collection

## Biomedical Imaging & Instrumentation

### Message from the Collection Editor

Modern healthcare relies ever more on technology—especially imaging in its many shapes—to progress and bring tangible benefits to both patients and society. This Special Issue of *Sensors* on “Biomedical Imaging and Instrumentation” will collect high-quality original contributions focusing on new or ongoing related technological developments at any stage of the translational pipeline, i.e., from lab to the clinic. Of particular relevance are imaging modalities and sensors (e.g., all types of optical imaging and spectroscopy, ultrasound, photoacoustic, X-ray, CT, MR, SPECT, PET, charged particles) for preclinical and clinical applications (e.g., micro to animals to humans in oncology, cardiovascular, pulmonary, neuro, critical care, interventional, surgery.), as well as related data and image processing, analysis and visualization (e.g., reconstruction, segmentation, radiomics, machine learning, 3D, AR/VR). Due to their already demonstrated potential, advanced approaches and instrumentation related to multimodality, hybrid and parametric imaging, image-guided therapy, theranostics and computational planning are especially welcome.

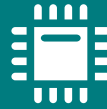
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### Collection Editor

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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