# Special Issue

# Multimodal Neuroimaging Techniques: Progress and Application

## Message from the Guest Editor

Multimodal imaging is revolutionizing neuroscience. By combining signals from various imaging modalities, including functional, structural, diffusion, and perfusion MRI, as well as MEG, EEG, fNIRS, PET, TMS, and other emerging techniques, neuroscientists can gain a comprehensive understanding of brain function and structure. Recent technological advancements have expanded the capabilities of multimodal imaging, including ultra-high-field MRI and OPM-MEG. Additionally, the integration of VR technology into many imaging setups has opened up new avenues for studying brain function. The processing of multimodal signals has advanced significantly through state-of-the-art methodologies such as deep learning algorithms, artificial intelligence models, and graph-theoretic approaches. The real-time processing of multimodal imaging is also of great interest, particularly in the fields of Brain Computer Interface (BCI) and neurofeedback. This Special Issue will cover the latest developments in multimodal neuroimaging, including acquisition methods, technological advancements, and analysis tools, with a particular emphasis on ultra-high-field multimodal imaging.

## Guest Editor

Dr. Frédéric Grouiller
CIBM MRI HUG-UNIGE, Clinical MR Imaging Section, Geneva University Hospitals, Geneva, Switzerland

## Deadline for manuscript submissions

closed (31 January 2025)

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*Bioengineering*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
bioengineering@mdpi.com

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## Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie
Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

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