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Towards a New Era of MEG Imaging: New Technologies and Clinical Applications

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Deadline for manuscript
submissions:

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Message from the Guest Editor

Magnetoencephalography (MEG) is a functional neuroimaging technique for mapping brain activity by recording the tiny magnetic fields produced by electrical currents occurring naturally in the brain. MEG requires ultrasensitive sensors. This Special Issue aims at covering the latest developments in new sensor technologies applied to biomagnetic recordings, but also the developments in new magnetic shielding approaches, passive as well as active, and current studies aiming at evaluating, in clinical conditions or by using data simulation, MEG based on these new sensors. Both review articles and original research papers are solicited.

- optically pumped magnetometers (OPM)
- high temperature SQUID (HTc SQUID)
- giant magneto resistive (GMR) sensors
- magnetoencephalography
- magnetic shielding
- biomagnetism



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Special Issue



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Message from the Editor-in-Chief

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