



Microelectrode Array for Biomedical Applications

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Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

Dear colleagues,

For half a century, many kinds of MEA (micro-electrode array) have been developed, including the plane MEA on glass, the Utah electrode, the Michigan electrode, and electrode arrays on silicon. Using different MEAs, different studies have been carried out, including research on the biological performance of artificial cultured neuronal networks and brain slices, the combined study of cell electrophysiological function and morphology, the study of nerve regeneration, the study of prominent plasticity, the study of retina, the study of pacing and electrical excitation conduction characteristics of myocardial cells, acute heart slices, or isolated hearts, and so on. For different studies, different devices, instruments, and systems have been developed. In this Special Issue, all aspects related to MEAs for biomedical applications will be discussed.





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Message from the Editor-in-Chief

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