

## Special Issue

# Recent Advances in Implantable Neural Microsystems

### Message from the Guest Editor

Over the last few decades, there has been significant progress made towards our understanding of the mechanisms of brain functions and their role in neurological diseases. Among various neuro-technological tools contributing to this progress, brain-machine interfaces (BMIs) with implantable neural microsystems have played a key role by enabling the stimulation and detection of neural activity at unprecedented spatio-temporal resolution from animals. Moreover, recent human clinical trials have extended the potential applications of implantable neural microsystems to the territory of human health. Through this Special Issue, we would like to establish a forum to discuss the recent developments, remaining challenges, and future directions of implantable neural microsystems for brain-machine interfaces. We invite research papers, reviews, and shorter communications that focus on the system design, materials, device fabrication, packaging, and characterization of implantable neural microsystems to contribute to this Special Issue.

### Guest Editor

Prof. Dr. Yoon-Kyu Song

Department of Applied Bioengineering, Graduate School of Convergence Science and Technology, Seoul National University, Seoul 08826, Republic of Korea

### Deadline for manuscript submissions

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*Micromachines*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[micromachines@mdpi.com](mailto:micromachines@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Ai-Qun Liu

Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China

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