



Guest Editor



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Brain Stimulation and Neuroimaging

🕒 **Deadline: 01 November 2022**

Dear Colleagues,

Brain stimulation and neuroimaging are probably two of the most relevant growing-up fields in the last decades in clinical neurosciences. The number of techniques for invasive and non-invasive brain stimulation has been increasing year to year from the beginning of the deep brain stimulation (DBS) surgery for movement disorders during the 70's of the last century. Among these we have the consolidated and extending results in DBS, the exciting results obtained from closed-loop devices implanted for epilepsy, basal ganglia disorders or Alzheimer's disease treatment, together with the promising advances in non-invasive techniques as transcranial direct current stimulation (tDCS) or repetitive transcranial magnetic stimulation (rTMS). In a complementary side-way, neuroimaging is exponentially increasing the knowledge about the brain function, such as physiological a pathological. Magnetic resonance imaging, nuclear medicine explorations or EEG numerical methods are obtaining new and exciting results every day. In this Special Issue, we will focus and will be interested in, but are not limited to, receiving manuscript contributions in one or more of the following areas:

- Deep Brain Stimulation
- tDCS and rTMS
- Basal ganglia pathologies, including movement and non-movement (neurological or psychiatric) disorders.
- Epilepsy
- Quantitative EEG
- Magnetic Resonance Imaging
- PET and SPECT
- Functional and anatomical connectivity.

It is my pleasure to invite you to submit manuscripts on the subject "Brain stimulation and neuroimaging" for this Special Issue. Full papers and communications, as well as comprehensive reviews, are welcome. Please feel free to contact me, the guest editor, in case of further questions.

Dr. Jesús Pastor

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