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Fractals in the Neurosciences: From Self-Similar Structures to Scale-Free Dynamics

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Message from the Guest Editors

The aim of this Special Issue is to provide a forum for the most recent advances in the fractal analysis of neural phenomena. The following topics for which manuscripts are welcomed include, but are not limited to:

- Self-similar molecular networks in the brain;
- Fractal analysis of neural and glial genetic sequences;
- Fractal geometry of the brain;
- Fractal and multifractal analysis of brain dynamics;
- Fractal functional connectivity;
- Criticality in the nervous system;
- Applications of fractal methods in neuropathological conditions;
- Novel methods in fractal analysis of neural data.

Deadline for manuscript submissions:

closed (7 May 2023)



mdpi.com/si/103582