Advances and Applications in Computational Neuroscience

Guest Editors:

Prof. Dr. Fernando Montani
National Scientific and Technical Research Council, Physics Department, Universidad Nacional de La Plata (UNLP), Avenida 7 776, B1900 La Plata, Provincia de Buenos Aires, Argentina

Dr. Osvaldo Anibal Rosso
Instituto de Física, Universidade Federal de Alagoas, Maceió 57072-970, Alagoas, Brazil

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Message from the Guest Editors

Dear Colleagues,

The process of creating mathematical or computational models of neural processes and brain function is known as computational neuroscience. These models capture different features of brain activity. By comparing predictions with experimental data, data analysis techniques help to validate and refine these models. Applying this knowledge to various fields will help us gain a better understanding of psychiatric disorders.

Moreover, computational neuroscience is crucial for understanding learning and memory processes in biological and artificial intelligence systems. We invite scientists from this interdisciplinary field to submit novel research papers that integrate theoretical advances in computational neuroscience and advances in data analysis techniques.

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Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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