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# **Computational Immunology in Health and Disease**

Guest Editors:

### Prof. Dr. Antoine van Kampen

Amsterdam UMC - University of Amsterdam, Amsterdam, The Netherlands

### Dr. Huub Hoefsloot

Biosystems Data Analysis, Swammerdam Institute for Life Sciences, University of Amsterdam, Amsterdam, The Netherlands

Deadline for manuscript submissions:

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## **Message from the Guest Editors**

The immune system is highly complex and involves many aspects that are not well understood. Many experiments have been developed in order to advance our knowledge about this system. In addition, for many decades, research groups have been developing computational models to test or forward new hypotheses about the mechanisms underlying the immune system in healthy humans and in disease. The goal of this Issue is to provide an overview of the novel approaches and applications in the field of computational immunology. The Issue will focus on research that aims to elucidate the temporal and/or spatial dynamics of the immune system at the molecular, cellular, or organ level, using methods such as differential equations, agent-based modelling, or the Gillespie algorithm. We welcome research contributing to the elucidation of immune mechanisms, understanding of (autoimmune) disease, vaccine development, and the testing of drugs. Contributions should show how the model is built on or is validated with (new) experimental data, or, at least, proposes a future experiment for the validation of the modelling results.













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## **Editor-in-Chief**

## Prof. Dr. Felipe Fregni

1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA 2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

# **Message from the Editor-in-Chief**

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