

## Special Issue

# Molecular Advances in Bioinformatics Analysis of Protein Properties

### Message from the Guest Editor

The paradigm of sequence–structure relationships was introduced more than half a century ago and has since been associated with the functions carried by proteins. The highly complex nature of these relationships is a consequence of the interaction between physics and evolution, which has been studied using a wide range of experimental and theoretical techniques. In addition, this paradigm has become more complex by taking into account the dynamics of proteins, an essential element for understanding their functions, along with the pathological problems that may be associated with them. This Special Issue will therefore deal with the study of this entire sequence–structure–function–dynamics paradigm of proteins, which can range from the most sophisticated sequence analyses to the conservation of essential residues, the dynamics of proteins through both atomistic and simplified approaches (coarse-grained, normal modes, etc.) or quantum analyses. However, the ultimate goal of these studies must be the biological question being asked and the link with experimental data.

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### Guest Editor

Dr. Alexandre G. De Brevern

Department of Biological Research on the Red Blood Cells, INTS, INSERM UMR\_S 1134, Université de Paris, Université de la Réunion, 75739 Paris, France

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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

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Department of Physiology, Institute of Nutrition and Food Technology  
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