Special Issue

Frontiers in Protein Folding and Related Areas – in Memory of Professor Sir Christopher M. Dobson (1949–2019)

Message from the Guest Editors

Protein folding is a fundamental theme in molecular biology. Elucidation of the molecular mechanisms of this process has challenged molecular biologists for over half a century. Although computational methods have now achieved remarkable success in the prediction of native structures, the fundamental principles of the protein folding process have yet to be fully elucidated. In addition, we still have an incomplete understanding of the components of the protein homeostasis system, which controls protein folding in the cellular environment. Furthermore, failures in protein folding may lead to misfolding and aggregation, a phenomenon closely related to a wide range of human disorders, including Alzheimer's and Parkinson's diseases and type II diabetes. This Special Issue is dedicated to the memory of the late Professor Sir Christopher M. Dobson, who made outstanding contributions to the advancement of studies of protein folding and the related areas and played an irreplaceable role in the promotion of protein science. We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Kunihiro Kuwajima

Prof. Dr. Yuko Okamoto

Prof. Dr. Tuomas Knowles

Prof. Dr. Michele Vendruscolo

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