



The Amazing World of IDPs in Human Diseases

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Message from the Guest Editors

It is now clearly established that some proteins or protein regions are devoid of any stable secondary and/or tertiary structure under physiological conditions, but still possess fundamental biological functions. These intrinsically disordered proteins (IDPs) or regions (IDRs) have peculiar features due to their plasticity as the capacity of binding their biological targets with high specificity and low affinity, and the possibility of interaction with numerous partners. IDPs and IDRs are especially prevalent in eukaryotes suggesting the necessity of disorder. However, also a correlation between intrinsic disorder and various human diseases such as cancer, diabetes, amyloidoses and neurodegenerative diseases is now evident, highlighting the great importance of the topic.

In this Special Issue, we invite researchers to contribute with original research articles as well as reviews, on the amazing world of the IDPs or IDRs involved with human diseases. In particular, contributions focusing on the prediction, identification and characterization of these, with emphasis to their role in cell-signaling and regulation will be welcomed.





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