



Physiological and Pathological Aspects of Unfolded Protein Response 2.0

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Message from the Guest Editor

Dear Colleagues,

Accumulation of unfolded proteins activates the unfolded protein response (UPR), a signalling and transcriptional programme aimed at coping with cellular stress due to misfolding. Notably, a number of human diseases involve an alteration of proteostasis. The loss of important functions and/or toxic gains of function are the main mechanisms of these misfolding diseases. To date, the therapeutic options for misfolding diseases are rather limited. Pioneering studies have shown that neurodegenerative diseases can have some benefits from inhibiting or activating the UPR, depending on the specific disease. However, it is absolutely necessary to study more effective strategies to improve the quality of life of these patients.

This overview is not exhaustive but covers possible topics welcome in this Special Issue. I am confident that a number of additional aspects on human diseases involving misfolded proteins will be proposed.

Both original articles, reviews are welcome.





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Message from the Editor-in-Chief

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