

## Special Issue

# Inflammatory/Immune Modulations by Old and New Glucocorticoids: From Cell to Medical Application

### Message from the Guest Editor

Dear Col leagues, Despite their venerable age, glucocorticoids still challenge and surprise us. Their widespread use in clinical practice and their surprisingly tissue-specific actions in maintaining body homeostasis demand further studies to fully decipher their mechanisms of action. At the cellular levels, some evidence suggests that glucocorticoids modulate differentiation and survival of regulatory T cells and tolerogenic macrophages, possibly by shaping the long-term maturation of the immune system. The growing awareness concerning the effects of glucocorticoids on neuroendocrine system and behavior has created an urgent need to investigate the glucocorticoid-dependent neural network shaping. Finally, new molecules modulating the activity of GR or mimicking the effect of GR activation are investigated with interesting results. This Special Issue of IJMS may summarize these issues and shed new light on some of these in the glucocorticoid field.

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### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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