

Special Issue

Development of Dopaminergic Neurons

Message from the Guest Editor

Dopaminergic neurons located in the mammalian ventral midbrain have attracted the attention of many biomedical researchers due to their effect in severe human neuropsychiatric and neurodegenerative disorders. There are four major signalling pathways which play critical roles during the development of the midbrain dopaminergic (mDA) neurons. In spite of the intense research conducted in recent years, we have achieved little understanding related to the crosstalk and the interaction between those four major signalling pathways and how they promote the development of mDA neurons in the mammalian embryo. This has been a very exciting research field and a number of questions remain answering. Contributions to this Special Issue will provide new insights into the mechanisms of action of the development of DA neurons and for the modelling and drug screening of the disorders mentioned above in the basic and clinical research.

Guest Editor

Dr. Yasemin M. Akay

Department of Biomedical Engineering, University of Houston, Houston, TX 77204-5060, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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