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***Drosophila* Models in Autophagy and Aging**

Guest Editors:

Dr. Athanassios D. Velentzas

Dr. Dimitrios J. Stravopodis

Dr. Panagiotis D. Velentzas

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Message from the Guest Editors

Drosophila melanogaster is an established and widely accepted model organism for developmental studies that possesses unique advantages, such as a short lifespan, a simple but evolutionarily conserved nervous system, and a wide variety of transgenic strains and genetic tools. Most importantly, over 75% of disease-associated genes in humans have corresponding orthologs in flies, and, remarkably, all key-molecular pathways are highly conserved, with many organ systems in mammals having equivalent systems in *Drosophila*. Taken together, all types of studies related to autophagy, neurodegeneration, and aging in *Drosophila* are of major interest to this Special Issue.

Keywords:

- autophagy
- apoptosis
- brain–gut axis
- brainopathies
- development
- *Drosophila* model of human diseases
- microbiome
- mitophagy
- necrosis
- neurodegenerative diseases
- proteostasis
- signaling
- ubiquitin–proteasome system



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Special Issue



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6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
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Copenhagen, Copenhagen,
Denmark

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Contact Us

Cells Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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