

## Special Issue

# Lipids and Lipid Metabolism in Autophagy

### Message from the Guest Editors

The process of autophagy emerges as a principal pathway to maintain cellular homeostasis, survival, and stress resistance during aging and age-associated disease. Allowing lysosomal degradation of proteins, protein aggregates, lipids, and (defective) organelles, autophagy serves as a mechanism of nutrient recycling and stress defense. However, little is known about the precise role of specific lipids and lipid metabolism in the regulation of autophagy and its consequences for cellular and organismal aging. The aim of this Special Issue is to collect primary research, current views, and future perspectives at the crossroads of lipids and lipid metabolism with autophagy and/or aging. We welcome research articles, reviews, and perspectives on related topics, including the role of lipids in the regulation and execution of autophagic machinery, membrane requirements for autophagy, lipophagy, the effects of dietary lipids, lipotoxic insults, and others.

Dr. Martin Graef

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 November 2019)



## Cells

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### Message from the Editorial Board

*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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### Editors-in-Chief

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