

## Special Issue

# Cell and Organ Cultures for Studying Retinal Diseases

### Message from the Guest Editors

For many retinal diseases, including age-related macular degeneration (AMD), glaucoma, and diabetic retinopathy (DR), the exact pathogenesis is still unclear. Moreover, the currently available therapeutic options are often unsatisfactory. To date, research regarding these diseases has mainly relied on animal models. However, animal models do not fully mimic human diseases. In addition, there is growing pressure from society to reduce animal research. This creates a need for alternative and improved disease models. This Special Issue includes original research and review articles about recent developments regarding in vitro models for retinal diseases. The topics of this Special Issue include but are not limited to:

- The development of in vitro and ex vivo models (e.g., primary cell cultures, organotypic cultures, organoids, and whole eye cultures);
- The analysis and validation of causative molecular pathways and pathomechanisms;
- Treatment development and testing.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2022)



## Biomolecules

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*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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### Editors-in-Chief

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