

## Special Issue

# Research Progress on 3D Cultures for Modeling the Microenvironment

### Message from the Guest Editor

This Special Issue will bring together scholars in the field of 3D cultures for the creation of in vitro microenvironments for the study of tissue homeostasis and pathology, particularly in the field of cardiovascular research. Potential topics include, but are not limited to, the following: novel methods for creating 3D cultures and tissue patches; study of the microenvironment in 3D cultures; modeling human diseases or pathological conditions in vitro; tissue engineering for regenerative medicine purposes; stem cell differentiation in 3D cultures; bioprinting of artificial tissues; development of smart biomaterials; and cell–extracellular matrix interactions in the context of 3D tissue development and function.

- 3D culture
- tissue engineering
- microenvironment
- disease modeling
- stem cell differentiation
- regenerative medicine
- biomaterials
- cell–extracellular matrix interaction

### Guest Editor

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### Deadline for manuscript submissions

closed (20 December 2024)



## International Journal of Molecular Sciences

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## About the Journal

### Message from the Editor-in-Chief

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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### Editor-in-Chief

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