

## Special Issue

# 3D Cell Culture Systems: Current Technologies and Applications

### Message from the Guest Editor

We are pleased to invite you to contribute to our Special Issue on "3D Cell Culture Systems: Current Technologies and Applications". The field of 3D cell culture systems has seen significant advancements in recent years, providing more physiologically relevant models compared to traditional 2D cultures. These systems are crucial for better understanding cell behavior, drug responses, and tissue engineering applications. The importance of this research area lies in its potential to revolutionize biomedical research and therapeutic development, offering more accurate models for studying diseases and testing new treatments. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- The development and optimization of 3D cell culture technologies;
- Applications of 3D cell cultures in drug discovery and development;
- Comparative studies between 2D and 3D cell culture systems;
- Advances in biomaterials and scaffolds for 3D cultures;
- High-throughput screening and imaging technologies for 3D cultures.

We look forward to receiving your contributions and working together to create a valuable resource.

### Guest Editor

Dr. Peggy Stock

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### Deadline for manuscript submissions

31 December 2025



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## About the Journal

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### Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

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