Special Issue

Advanced Organoids: New Avenues for Understanding Human Anatomy, Physiology and Development

Message from the Guest Editors

The aim of this Special Issue of *Organoids* is to present reviews and original articles on how advanced human 3D tissue culture models can improve our understanding of human anatomy, physiology, and development. We welcome contributions from participants of the annual meeting of the "Anatomische Gesellschaft" in Würzburg, Germany, in September 2023, as well as from other esteemed research groups working on this topic. Keywords

- anatomy
- embryology
- histology
- organoids
- assembloids
- embryoids
- blastoids
- pluripotent stem cells

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About the Journal

Message from the Editor-in-Chief

Functional human 3D tissue models are attractive platforms for disease studies, drug development and toxicity testing. They serve as a bridge between cell cultures, animal models and clinical trials. Such models are called organoids. Numerous scientists worldwide are currently researching the generation of new complex organoid models and improving culturing conditions to handle them in a way that is reproducible, cost-effective, and easy. Achieving this goal is still a major challenge, but the organoid field has developed rapidly in recent years, reaching a new level of complexity and playing a growing role in medical research. Organoids' goal is to create a platform to present new and exciting data covering all aspects of organoid, assembloid, embryoid, or organ-on-a-chip research.

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