Special Issue

Feature Papers in *Organoids*

Message from the Guest Editors

This Special Issue of "Feature Papers in *Organoids*" will be published in *Organoids* (ISSN 2674-1172), and is dedicated to the publication and discussion of research articles, reviews, and communications on all aspects of organoid development and technological advancements towards applications in tissue engineering, model organ development and biomedicine. We welcome reviews and outstanding articles to this Special Issue in order to improve the current knowledge on organoids. The scope of this Special Issue includes, but is not limited to, the following:

- Organoid architecture;
- Organoids in cell biology;
- Organoids in tissue engineering;
- Organoids in developmental biology;
- Organoids in gene therapy and regenerative medicine;
- Organoids in cancer research and drug screening;
- Organoids in toxicology testing;
- Model of bacteria and virus infection;
- Modeling organ development and disease.

Keywords

- organ-on-chip
- organ-on-a-chip
- 3D cell culture
- 3D organ model
- organoids

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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.

Editor-in-Chief

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