



## Advanced Dynamic Cell and Tissue Culture

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Deadline for manuscript  
submissions:

**closed (30 April 2018)**

### Message from the Guest Editors

The current Special Issue wants to highlight new strategies for the development of bioprocesses for organ specific cell cultivation as well as stem cell expansion and differentiation. New designs for 3D cell culture approaches including co-cultures and scalable systems shall be presented and applications are welcome from the whole field of cell based therapies and in vitro tests. This issue is open for papers addressing:

- 3D biomaterials for cell and tissue culture
- Bioreactor design and optimization including automation
- Microfluidics (e.g. organ on a chip)
- Stem cell expansion and differentiation including tissue engineering approaches
- Application of physiological conditions including mechanical stimulation
- Sensors and monitoring devices in 3D cell cultures





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## Message from the Editor-in-Chief

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