



7th International Conference on Stem Cell Engineering

December 11 – 13, 2019

Hotel Barcelona Center • Barcelona, Spain

Human-based tissue models are emerging as new tools to understand human development, for regenerative therapy as well as disease modeling or drug discovery. In past years we have witnessed development of novel human based multicellular systems from various type of stem cells via using self-organization capacity of cells. These cellular systems were named organoids, gastruloids, synthetic embryos based on the similarities to their in vivo counterparts. The 7th International Conference on Stem Cell Engineering 2019 will bring together interdisciplinary group of scientists to discuss basics to translational aspects of these human based models as well as emerging computational and engineering technologies that can be employed to achieve the fullest potential of such cellular systems. The conference will be held on December 11-13, 2019 in Barcelona Spain.

SESSION TOPICS

- Organoids
- Synthetic Embryo and early developmental engineering
- Technologies - computational, genetics, material, imaging, microfluidics
- Novel applications



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KEYNOTE SPEAKERS

Emma Rawlins

Gurdon Institute

Ricard Sole

ICREA-Complex Systems Lab UPF-IBE

GUEST SPEAKER

Mark Post

Maastricht University

INVITED SPEAKERS

Susana M. Chuva de Sousa Lopes

Leiden University Medical Center

Ben Cosgrove

Cornell University

Tara Deans

University of Utah

Jianping Fu

University of Michigan, Ann Arbor

Eri Hashino

Indiana University School of Medicine

Zhisong He

ETH Zurich

Todd McDevitt

University of California, San Francisco

Nicolas Rivron

Institute of Molecular Biotechnology (IMBA)

Jordi Guiu

University of Copenhagen

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