

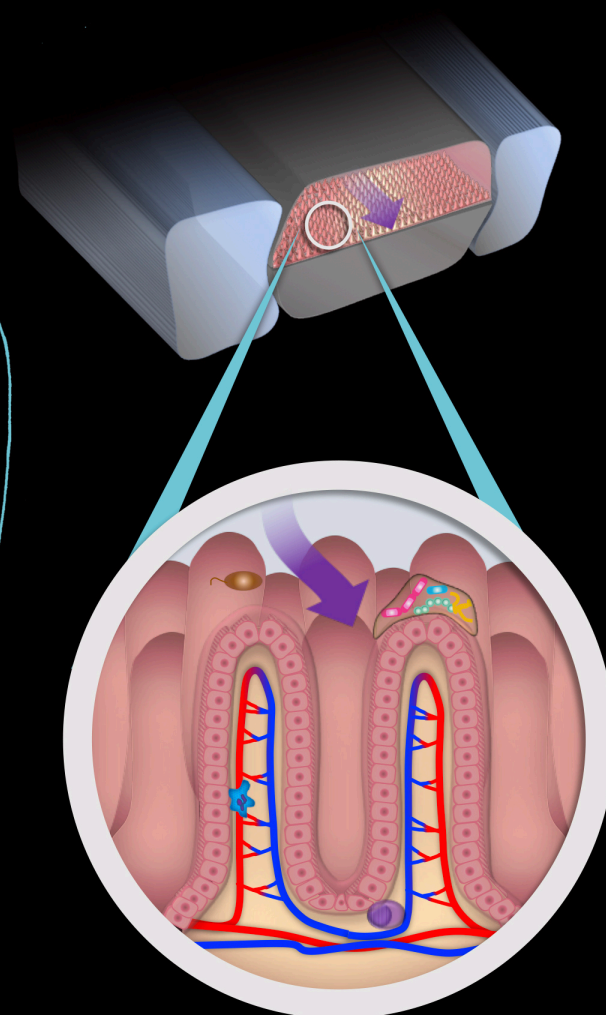
# MICROPHYSIOLOGICAL SYSTEMS

Brief Report 2018

Editorial Office

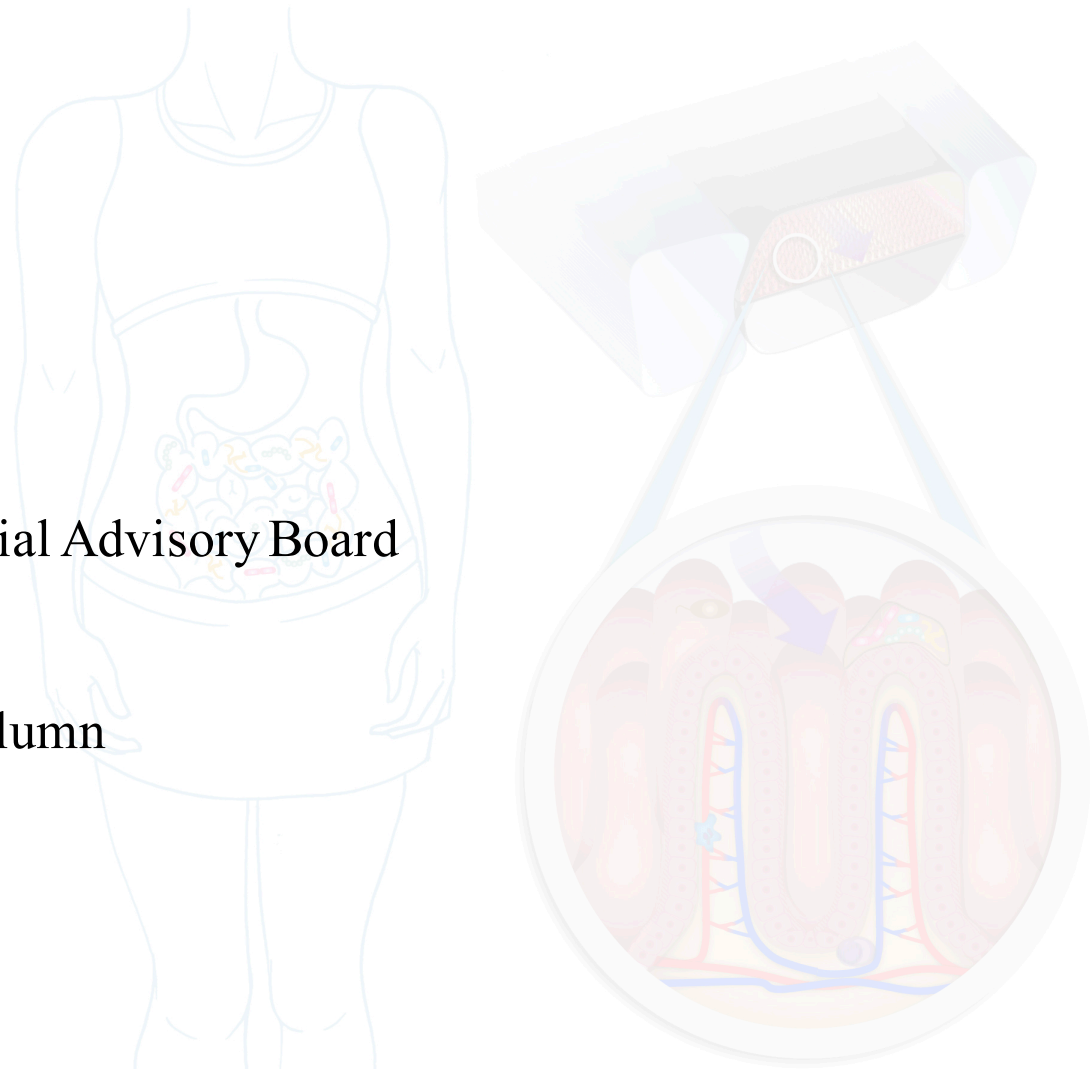
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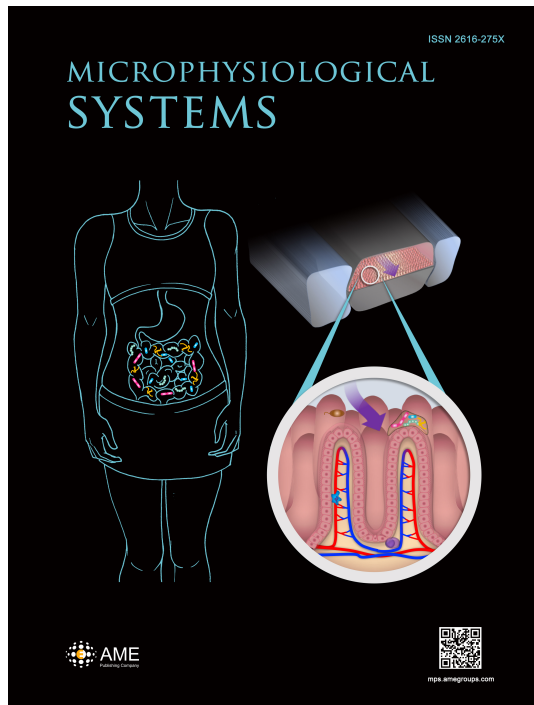
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## Outline of the Report

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4. Message from the EIC
5. Associate Editor-in-Chief
6. Associate Editors & Editorial Advisory Board
7. Cover Gallery
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10. AME Publishing Company





## 1. Basic Information

- Launched in March 2017
- International, **Peer-Reviewed, Open-Access**
- Electronic journal
- Provides latest insights and updates on the developments of ***in vitro* tissue and organ models**

## 2. Chair



**Roger Kamm, PhD**

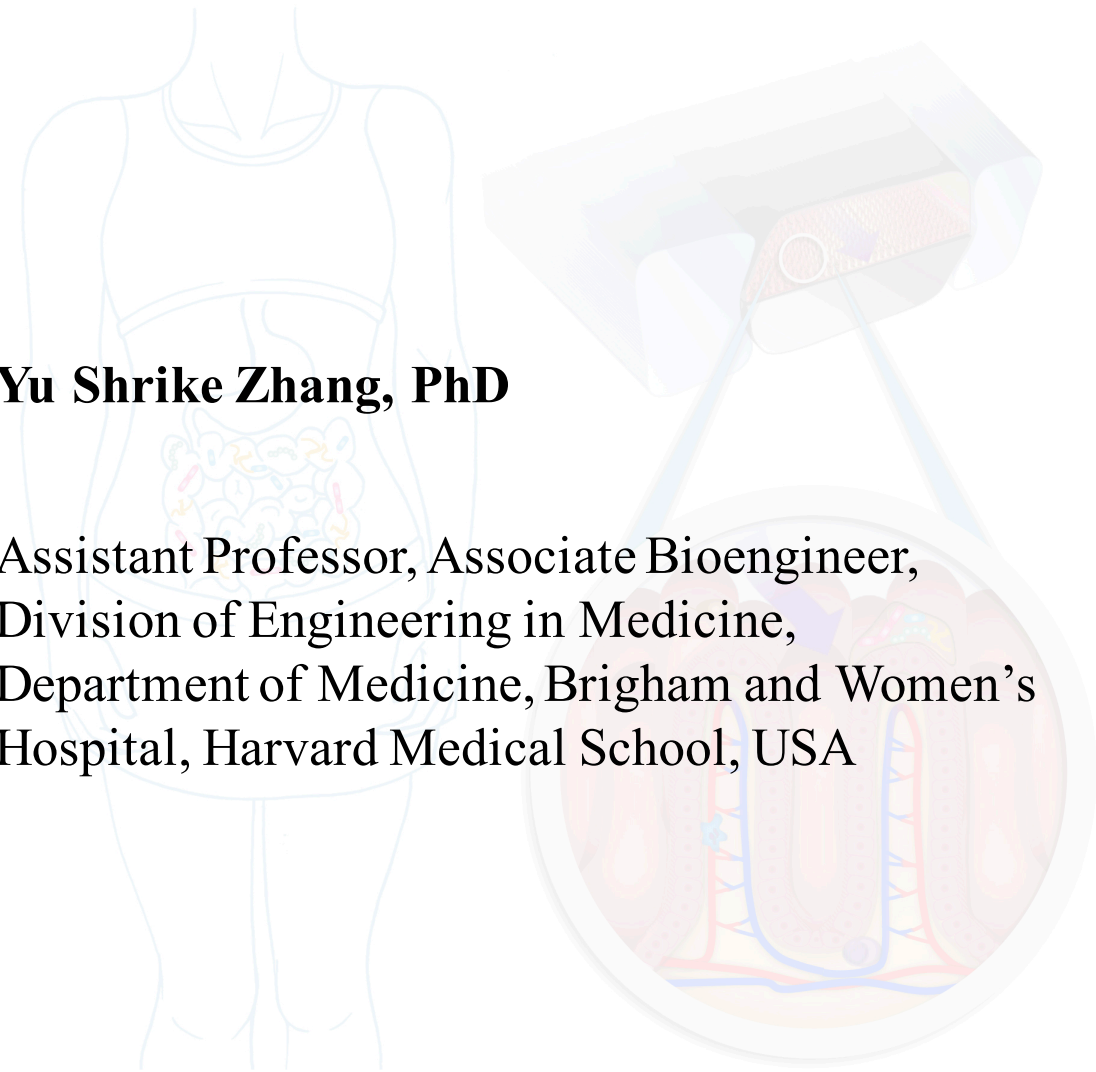
Cecil and Ida Green Distinguished Professor of Biological and Mechanical Engineering,  
Department of Mechanical Engineering,  
Department of Biological Engineering,  
Institute for Medical Engineering & Science,  
Massachusetts Institute of Technology, USA

## 3. Editor-in-Chief



**Yu Shrike Zhang, PhD**

Assistant Professor, Associate Bioengineer,  
Division of Engineering in Medicine,  
Department of Medicine, Brigham and Women's  
Hospital, Harvard Medical School, USA



## 4. Message from the EIC

*“On behalf of the Microphysiological Systems editorial team, we would like to extend our heartfelt gratitude to all the Editorial Board Members, Authors, Reviewers, and Readers who have contributed to and supported Microphysiological Systems since its birth. In the new year, we warmly welcome more excellent peers to join us on creating an innovative and significant platform for the field.”*

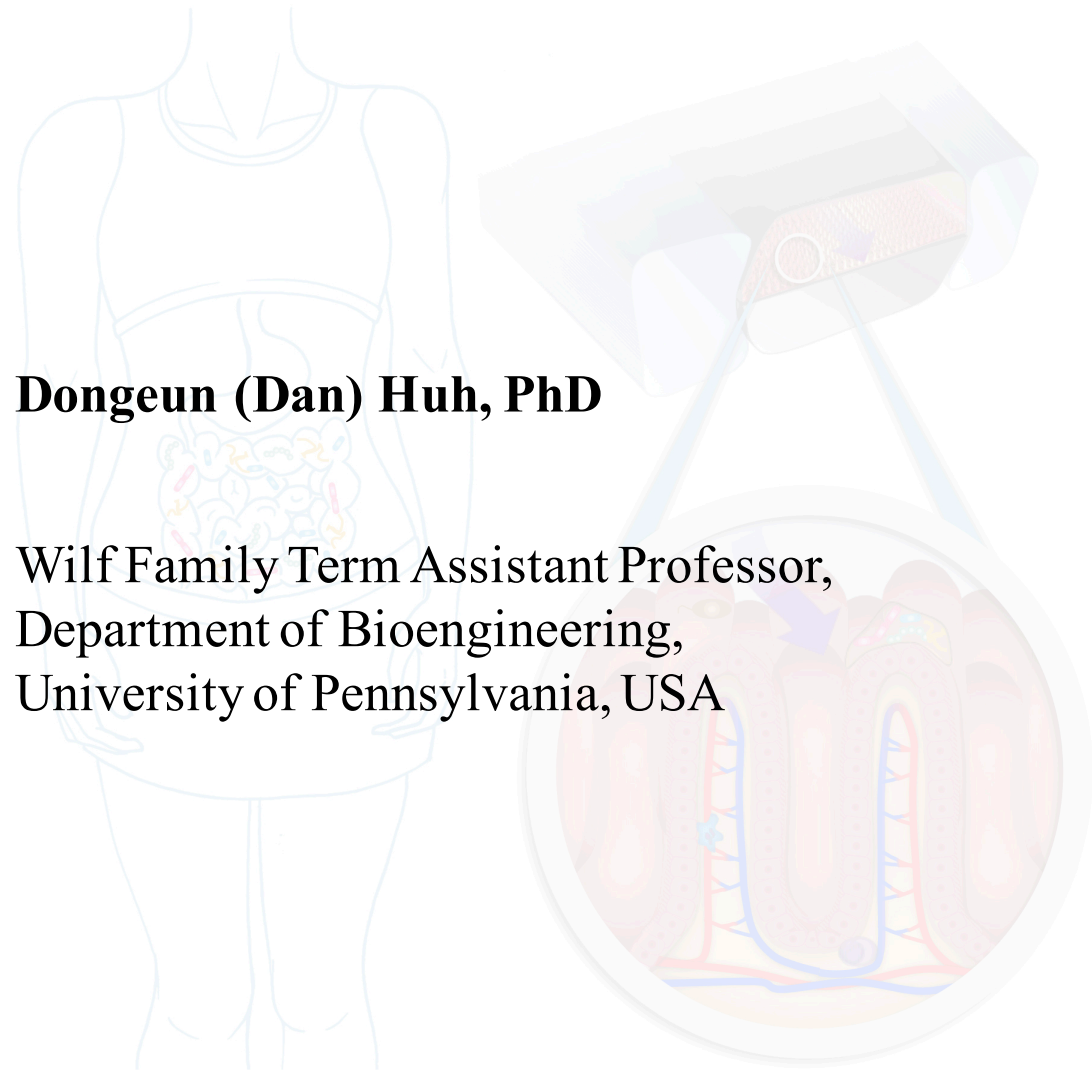
  
Y. Shrik Zhang, EIC

## 5. Associate Editor-in-Chief



**Dongeun (Dan) Huh, PhD**

Wilf Family Term Assistant Professor,  
Department of Bioengineering,  
University of Pennsylvania, USA



## 6. Associate Editors & Editorial Advisory Board

MPS has included 7 Associate Editors.



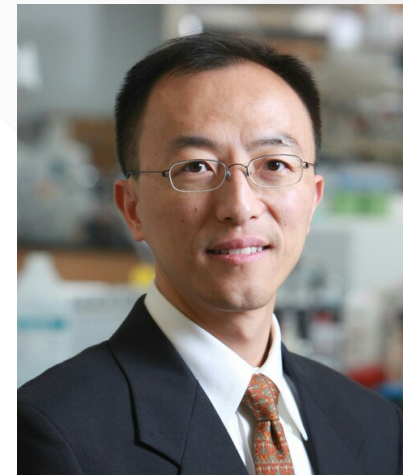
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University of Victoria, Canada



**Nicole Kleinstreuer, PhD**

National Institutes of Health,  
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**Guohao Dai, PhD**

Northeastern University, USA

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Regenerative Medicine, USA

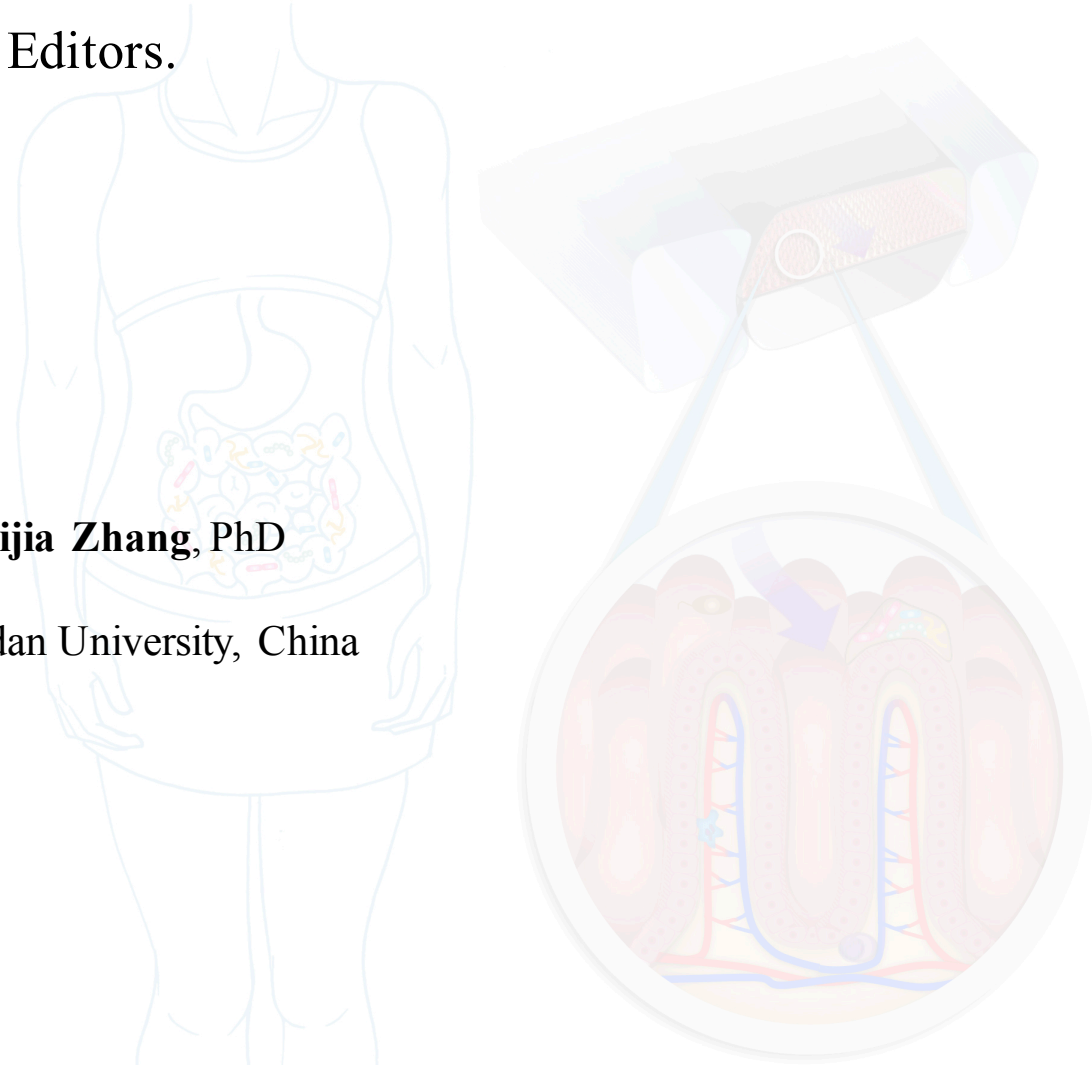
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**Weijia Zhang, PhD**

Fudan University, China



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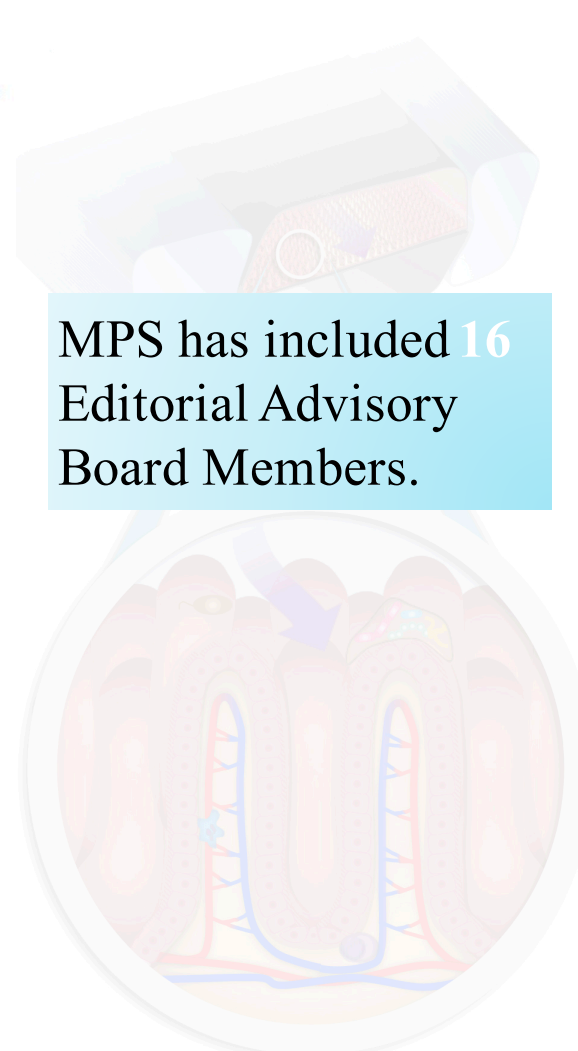
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Microbiology and Immunology, Bloomberg  
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Medicine, Purdue University, USA

### **Hongkai Wu, PhD**

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Kong



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Editorial Advisory  
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Engineering, University of Central Florida,  
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### **Pengyuan Yang, PhD**

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Bioengineering, School of Life Sciences, The  
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### **Andreas Hierlemann, PhD**

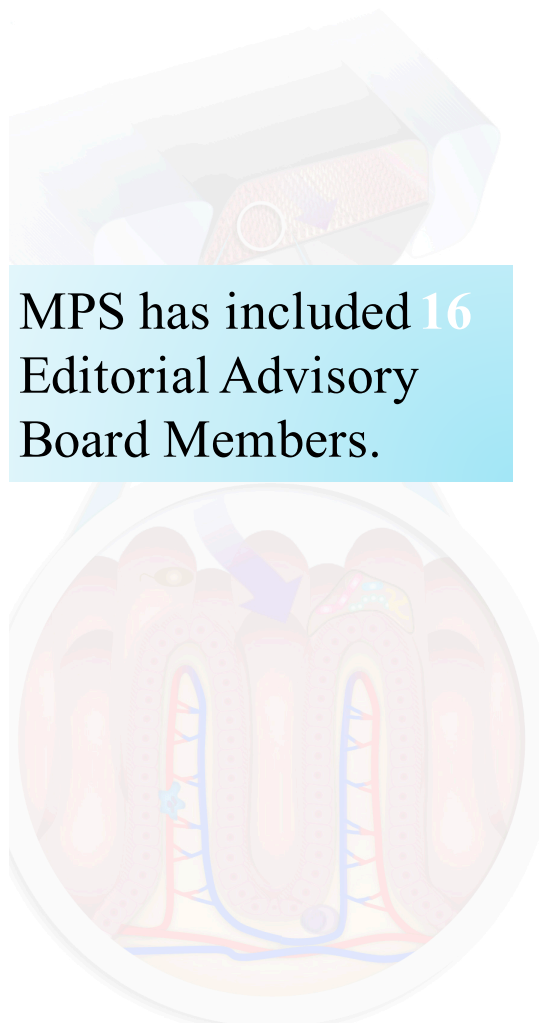
Department Biosystems Science and  
Engineering, ETH Zurich, Switzerland

### **Carol Livermore, PhD**

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Engineering, Department of Bioengineering,  
Department of Electrical and Computer  
Engineering, Northeastern University, USA

### **Henry Yu, PhD**

MechanoBiology Institute, National University  
of Singapore, Institute of Bioengineering and  
Nanotechnology, A\*STAR, Singapore

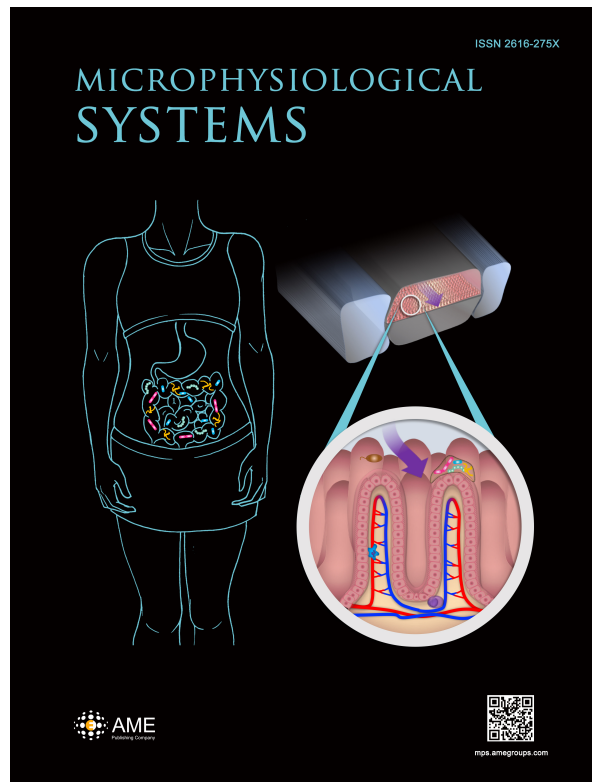


MPS has included **16**  
Editorial Advisory  
Board Members.

## 7. Cover Gallery

A column displaying *Microphysiological Systems* cover images and their stories.

2018



**Title:** Microbiota on chip

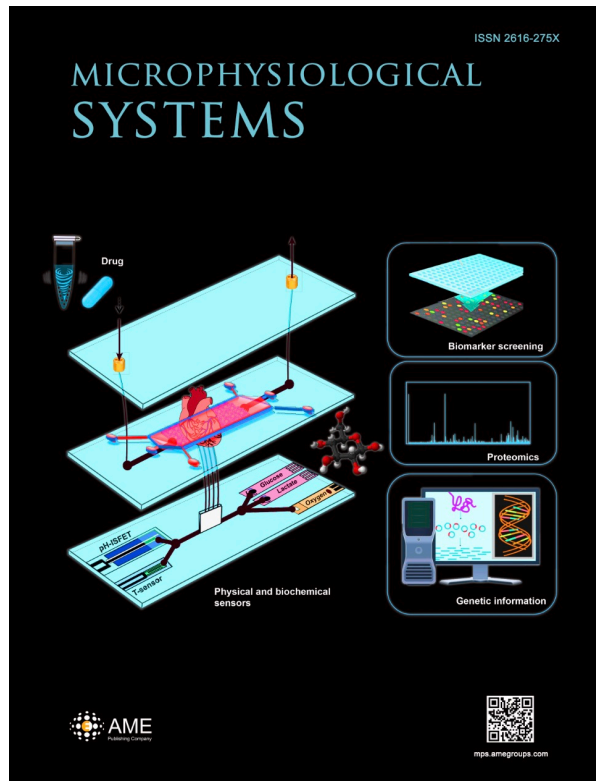
**Article:** Santiago GT, Lobo-Zegers MJ, MontesFonseca SL, Zhang YS, Alvarez MM. Gut-microbiota-on-a-chip: an enabling field for physiological research. Microphysiol Syst 2018.

<http://mps.amegroups.com/article/view/4777/5555>

## 7. Cover Gallery

A column displaying *Microphysiological Systems* cover images and their stories.

### 2018



**Title:** Organs-on-chip monitoring:  
(Bio)sensors and other strategies

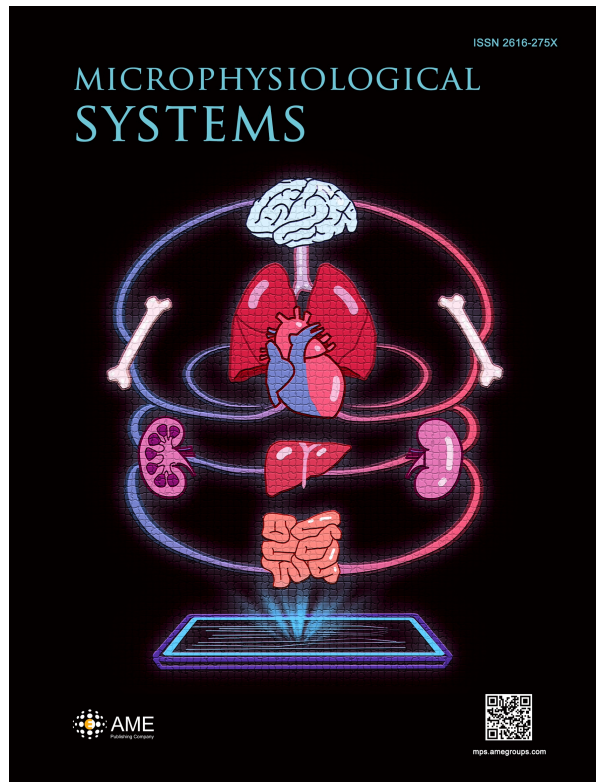
**Article:** Kilic T, Navaee F, Stradolini F,  
Renaud P, Carrara S. Organs-on-chip  
monitoring: sensors and other strategies.  
*Microphysiol Syst* 2018;2:5.

<http://mps.amegroups.com/article/view/4689/5479>

## 7. Cover Gallery

A column displaying *Microphysiological Systems* cover images and their stories.

2017



**Title:** Microphysiological Systems --  
Miniaturizing Human Physiology in vitro

**Article:** Zhang YS. Foreword—  
Microphysiological Systems.  
Microphysiological Systems 2017, 1, 1.  
<http://mps.amegroups.com/article/view/3839/4626>

## 8. Organs-on-Chips News Column

Welcome to the “Organs-on-Chips News Column”, news collections of the must-read open-access papers in the field of organs-on-chips. Launched by Dr. Andries D. van der Meer from University of Twente, The Netherlands, this quarterly editorial column in MPS journal, to disseminate the latest development in this field.

<http://mps.amegroups.com/post/category/organs-on-chips-news-column>

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### Organs-on-Chips News Column

#### Organs-on-chips: latest developments

Posted on 2019-01-10 10:19:07 Organs-on-chips: latest developments

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### Welcome to Organs-on-Chips News Column

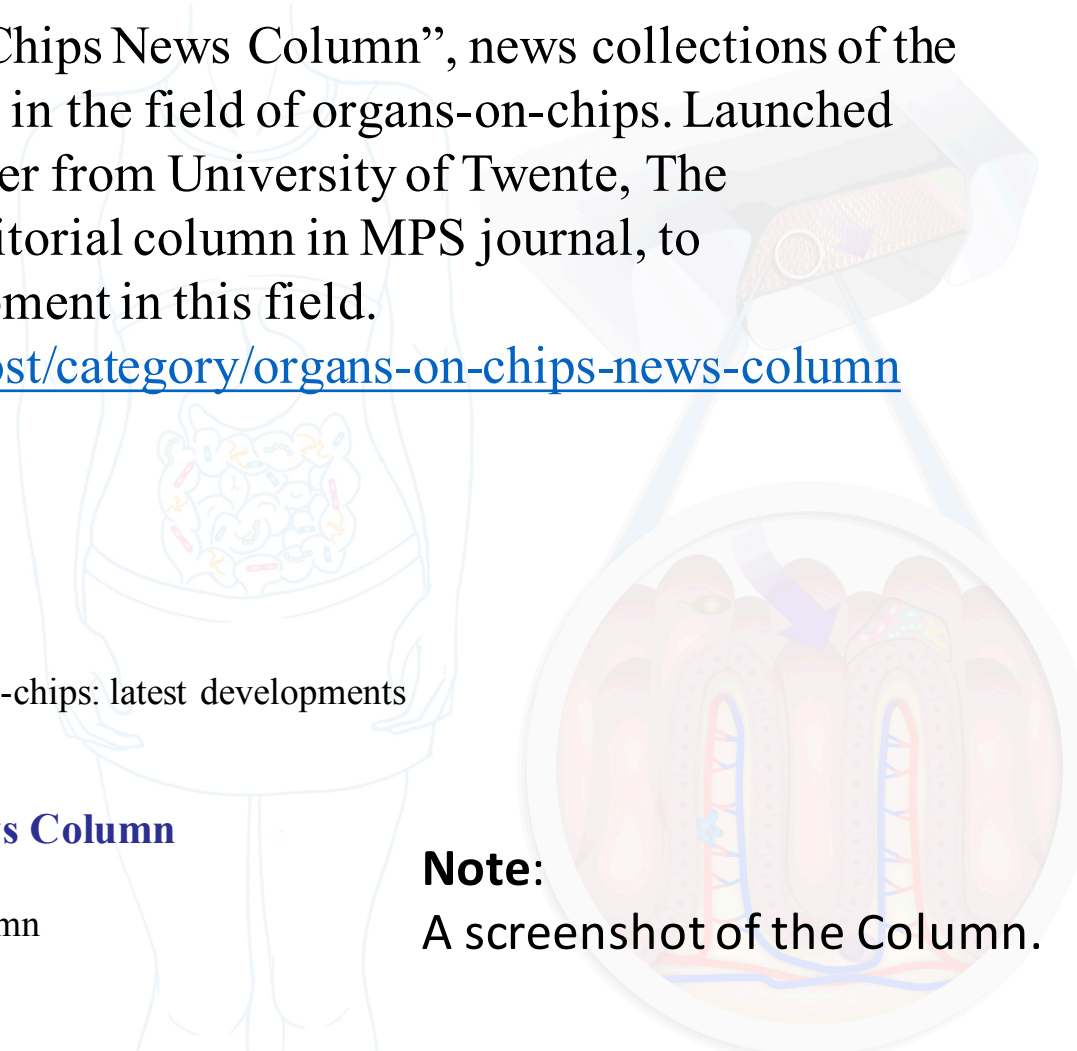
Posted on 2019-01-10 10:18:08

Welcome to Organs-on-Chips News Column

[Read more →](#)

**Note:**

A screenshot of the Column.



## 9. Articles Published in 2018

- *Microphysiological Systems* published **12** articles in total in 2018.

Article Type	Article Title	Author(s)	Countries of Corresponding Author
Review Article	DNA mediated self-assembly of multicellular microtissues	Mingshu Xiao, Wei Lai, Xiwei Wang, Xiangmeng Qu, Li Li, Hao Pei	China
Review Article	Microphysiological Systems: automated fabrication via extrusion bioprinting	Margaret Elizabeth Prendergast, Gabriel Montoya, Taciana Pereira, Jakub Lewicki, Ricky Solorzano, Anthony Atala	USA
Review Article	Integrating mass spectrometry with microphysiological systems for improved neurochemical studies	Emily G. Tillmaand, Jonathan V. Sweedler	USA
Review Article	Current advances in skin-on-a-chip models for drug testing	Qiang Zhang, Linda Sito, Mao Mao, Jiankang He, Yu Shrike Zhang, Xin Zhao	China

## 9. Articles Published in 2018

Article Type	Article Title	Author(s)	Countries of Corresponding Author
Review Article	Organs-on-chip monitoring: sensors and other strategies	Tugba Kilic, Fatemeh Navaee, Francesca Stradolini, Philippe Renaud, Sandro Carrara	Switzerland
Progress Report	Recent progresses in microfabricating perfluorinated polymers (Teflons) and the associated new applications in microfluidics	Yisu Wang, Siyu Chen, Han Sun, Wanbo Li, Chong Hu, Kangning Ren	China
Review Article	Gut-microbiota-on-a-chip: an enabling field for physiological research	Grissel Trujillo-de Santiago, Matías José Lobo-Zegers, Silvia Lorena Montes-Fonseca, Yu Shrike Zhang, Mario Moisés Alvarez	México
Review Article	Recent organ-on-a-chip advances toward drug toxicity testing	Jiu Deng, Yueyang Qu, Tingjiao Liu, Bolin Jing, Xiuli Zhang, Zongzheng Chen, Yong Luo, Weijie Zhao, Yao Lu, Bingcheng Lin	China

## 9. Articles Published in 2018

Article Type	Article Title	Author(s)	Countries of Corresponding Author
Review Article	3D bioprinting for modelling vasculature	Pranabesh Sasmal, Pallab Datta, Yang Wu, Ibrahim T. Ozbolat	USA
Mini-Review	Microphysiological systems: analysis of the current status, challenges and commercial future	João Ribas, Joanna Pawlikowska, Jeroen Rouwkema	Portugal
Review Article	Microsystems for electromechanical stimulations to engineered cardiac tissues	Samantha M. Santoni, Tackla Winston, Plansky Hoang, Zhen Ma	USA
Progress Report	Microphysiological systems to study microenvironment-cell nucleus interaction: importance of tissue geometry and heterogeneity	Sophie A. Lelièvre, Shirisha Chittiboyina	USA

# MICROPHYSIOLOGICAL SYSTEMS

Our Publisher—

**AME Publishing Company**

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- **110+** Medical Books
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- **50+** Medical Books in Chinese



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Thank you!

Brief Report 2018

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