Special Issue

Biomachines in Synthetic Biology

Message from the Guest Editors

The extraction of lipids and proteins from archaeal and bacterial membranes of interest and their reconstitution into, or fusion with, model membranes exemplifies this approach. Through the purification and exploitation of extant biological structures, we elucidate the structural components, as well as principles, that allow specific biological phenomena to occur. These phenomena include receptor-mediated endocytosis, motility, intercell communication, pathogen-host communication, etc. This, in turn, allows us to design systems that emulate such behaviour using materials both natural and synthetic, for purposes as diverse as targeted drug delivery, pathogen capture, biosensing, etc. In this Special Issue, Biomachines in Synthetic Biology, we aim to curate works dedicated to the top-down approach in the production of artificial cells and protocells. We invite submissions that include reviews. both critical and tutorial, technical reports and perspectives. Help us create a collection that will guide the next generation of Synthetic Biologists!

Guest Editors

Dr. Cherng-Wen Darren Tan

Institute of Synthetic Bioarchitectures, Department of Bionanosciences, University of Natural Resources and Life Sciences (BOKU), 1190 Vienna, Austria

Dr. Bernhard Schuster

Institute of Nanobiotechnology, Department of Biotechnology and Food Science, BOKU University, Muthgasse 11, 1190 Vienna, Austria

Deadline for manuscript submissions

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Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

mdpi.com/journal/micromachines





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You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Ai-Qun Liu

Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China

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