

## Special Issue

# DNA Nanotechnology on Bio-Membranes

### Message from the Guest Editors

Engineering biological membranes with synthetic compounds are important for the study and regulation of cell and tissue functions. A variety of functional nanostructures and devices have been used for membrane modifications and characterizations. With highly precise and tunable self-assembly, DNA nanotechnology has been widely used for developing analytical and biomedical tools for in vitro, intracellular, and membrane applications. This Special Issue aims to cover recent developments and advances in all aspects of applying DNA/RNA nanotechnology to biological membranes. We are inviting authors to submit original research and review papers describing new DNA- and RNA-based approaches and applications for membrane modification, analytical and biophysical characterization, regulation of membrane signaling and interactions, and transmembrane deliveries of nucleic acids. Studies performed on either biological membranes or artificial membrane models are highly welcome.

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### Guest Editors

Dr. Mingxu You

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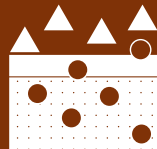
Dr. Bin Zhao

Carl R. Woese Institute for Genomic Biology, University of Illinois at Urbana-Champaign, Champaign, IL, USA

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### Deadline for manuscript submissions

closed (20 October 2021)



## Membranes

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## About the Journal

### Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
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