

**Aims & Scope:**

Over the past several decades, nucleic acids self-assemblies have been developed to produce multi-dimensional nanostructures in vitro and in vivo. These self-assembled structures have broadly applied to molecular sensing drug delivery and biomedical imaging. This thematic issue on Current Topics in Medicinal Chemistry will collect insightful reviews of recent progresses in self-assembled nucleic acids nanostructures and their biomedical applications.

Keywords: Nucleic acids self-assembly and nanostructures, Molecular sensing and diagnosis, Drug delivery, Biomedical imaging, Nanostructured vaccine

Subtopics:

The subtopics to be covered within this issue are listed below:

- Nucleic Acid Self-Assembly In Vitro and In Vivo, and Hybrid Nanostructures
- Nucleic Acids Computation and Circuits
- Nucleic Acids Nanostructures for Molecular Sensing and Diagnosis
- Nucleic Acids Nanostructures for Drug Delivery, Vaccine Development and Therapy
- Nucleic Acids Nanostructures for Biomedical Imaging
- Nucleic Acids for Other Biomedical-related applications

Schedule:

- ✧ Manuscript submission deadline: July 31st, 2021
- ✧ Peer Review Due: August 31st, 2021
- ✧ Revision Due: September 30th, 2021
- ✧ Announcement of acceptance by the Guest Editors: October 2021
- ✧ Final manuscripts due: November-December 2021

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