# Special Issue

# Frontiers in Aptamers

### Message from the Guest Editor

In the process of basic research on the termination of protein synthesis, a group of translational regulators have structures and functions similar to tRNA. From the research on molecular mimicry, it has become clear that RNA has a "modeling power" that can mimic various proteins or just fit and bind to it and suppress its action. RNA molecules that fit and bind to such target proteins are called "aptamers." Aptamers can be fished from a random sequence RNA pool using a target protein as "bait" by a method called SELEX. Since the action of aptamers is similar to that of antibodies, they are also called "nucleic acid antibodies". Antibodies have made great progress as pharmaceuticals, and it is expected that aptamer-based pharmaceuticals will become epoch-making next-generation pharmaceuticals to replace antibodies. In this Special Issue, we hope to provide a platform to research on the aptamer, which are extremely important as "drug discovery targets" and "cell markers." We would like to aim for a wide range of development by actively working on it. We look forward to your contributions.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2022)

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*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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