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## Assembly and Function of the Nuclear Pore Complex

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Deadline for manuscript submissions:

**closed (15 September 2022)**

### Message from the Guest Editors

In this Special Issue of *Cells*, we invite you to contribute original research articles, reviews, or shorter perspective articles on all aspects related to the subject “Assembly and Function of the Nuclear Pore Complex”. Mechanistic understanding of nucleocytoplasmic transport through nuclear pore complexes is a central theme in modern cell biology. The biogenesis and function of nuclear pores impact many aspects of cellular physiology, including gene expression, cellular differentiation, development, and pathogenesis. Some of the relevant topics for this Special Issue are structure and dynamics of the nuclear pore complex (NPC), the NPC permeability barrier, mitotic and interphase NPC assembly, maintenance and disassembly of NPCs, mechanisms of nuclear import and export, mechanisms of RNA export, regulation and coordination of nuclear transport pathways, nucleoporins and transport factors in cell cycle and differentiation, viruses and nucleocytoplasmic transport, and nucleoporins and human disease.



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## Message from the Editorial Board

*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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