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Actin-Myosin Cytoskeleton Regulation and Function

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 May 2020)

Message from the Guest Editor

Dear Colleagues,

For this Special Issue of *Cells*, we invite authors to submit contributions, in the form of original research articles, reviews, or shorter perspective articles, on all aspects related to the theme of “Actin-Myosin Cytoskeleton Regulation and Function”. Articles with mechanistic and functional insights from cell and molecular biological, biophysical, biochemical, structural and mathematical perspectives are especially welcome. Relevant topics include, but are not limited to:

- Regulators of the actin-myosin cytoskeleton;
- Cytoskeleton-mediated mechanotransduction;
- Actin-myosin cytoskeleton dysregulation in human disease;
- Disease-associated genetic mutations to actin-myosin cytoskeleton components and regulators;
- Organelle trafficking and positioning by the actin-myosin cytoskeleton;
- Actin-myosin structures in cell motility;
- The role of the actin-myosin cytoskeleton in endocytosis and intracellular trafficking.

Keywords: actin; myosin; cytoskeleton; mechanotransduction; cytokinesis; nuclear cytoskeleton; contractile systems; cell motility; cell morphogenesis; cell adhesions; signal transduction



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Special Issue



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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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