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Biomarkers and Cellular Biology in Perioperative Medicine

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Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Surgical procedures alter tissue integrity, and contact with foreign materials implanted perioperatively induces a number of inflammatory reactions. Depending on the magnitude of such perioperative trauma, the molecular and cellular impact on homeostasis is tremendous, and postoperative injury-associated immunosuppression (IAI) has been shown to occur in a significant number of patients. The use of cardiopulmonary bypass (CPB), for example, may aggravate perioperative immunosuppression. However, biomarkers and cellular responses in perioperative medicine are generally neither specifically monitored nor well understood.

This Special Issue aims to investigate current developments and mechanistic discoveries regarding the impact of surgical and interventional procedures on organ systems. We provide a wide range of state-of-the-art papers from respected experts in anesthesiology and perioperative medicine.

Dr. Markus M. Luedi

Dr. Jan Larmann

Guest Editor



mdpi.com/si/104868

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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