

## Special Issue

# SARS-CoV-2—Cross-Talk on Cellular Pathways in Critically Ill Mechanically Ventilated Patients

### Message from the Guest Editors

The COVID-19 pandemic has challenged society worldwide. Shortly after the identification of the new coronavirus, SARS-CoV-2, researchers around the world began attempting to identify and report the virus' mechanisms of action, drug interactions, and molecular and epigenetic expressions.

The specific SARS-Cov-2 changes at the respiratory level, but also at the systemic inflammatory level, led to the rapid deterioration of patients' clinical status, often rendering classical methods of mechanical ventilation ineffective.

An intensely studied field during this period was the expression of microRNA species, which contributed both to faster detection of the virus and to the development of new therapeutic technologies specific to these patients.

We invite you to submit this Special Issue, which aims to integrate new information on the topic, seeking fresh perspectives on the molecular and cellular changes induced by SARS-Cov-2, epigenetic expression of COVID-19 patients, expression of microRNAs in connection with SARS-Cov-2, virus detection methods, the clinically impact of SARS-Cov-2, new therapeutic methods, the impact of vaccination, etc.

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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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