



Current Contribution to the Research Based on Animal Tissue and Cellular Models

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Deadline for manuscript submissions:

closed (31 January 2022)

Message from the Guest Editors

Data from animal (livestock) trials are intricate and influenced by environmental factors, as well as by individual animal biology. Often, the straightforward interpretation of the results is hardly possible. Thus, simplified biological systems have become an inherent component of animal experimental research..

The manuscripts addressing, but not limited to the following topics are welcome:

Investigating molecular mechanisms of biological interactions in the organism using in vitro models (e.g., microbiome–host interactions, environmental impact, secretory functions in tissues)

Role of tissue microenvironments in development (e.g., germplasm maturation, epigenetic impact, and programming)

Studies based on organ and cell models, including new cell cultures and cell lines, mini organoids, organs on-chip, and microfluidic culture systems and cellular techniques and molecular analyses adapted to livestock research: visualization techniques, omic analyses

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Guest Editors





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Message from the Editor-in-Chief

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