



Molecular Mechanism of Lipid Metabolism in Periparturient Animal Liver

Guest Editors:

Prof. Dr. Yangchun Cao

Dr. Libo Tan

Prof. Dr. Chuang Xu

Prof. Dr. Haitao Wu

Dr. Lamei Wang

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Message from the Guest Editors

Physiological events in gestation, parturition, and lactation, together with the changes in environment and feeding practice, commonly place animals into negative energy balance and metabolic stress in the periparturient period, causing suboptimal health status and a series of diseases. Due to the imbalance between excessive fat mobilization and insufficient ability to remove fat, the occurrence of fatty liver is a prominent metabolic disorder in many periparturient animals, seriously affecting the normal functions of liver and other organs. Therefore, clarifying the mechanisms of fat synthesis, transport, metabolism and other related processes in periparturient animals is of great significance for improving animal health and production performance.

This Special Issue of *Metabolites*, "Molecular Mechanism of Lipid Metabolism in Periparturient Animal Liver", will be dedicated to collecting original research articles and reviews on recent basic and applied research focused on the regulation and molecular mechanisms of lipid metabolism in periparturient animal liver.





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Editor-in-Chief

Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy
2. Formerly Professor of Internal Medicine, School of Specialization of Allergology and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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Contact Us

Metabolites Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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