

## Special Issue

# Tissue Morphology and Gene Expression of Developmental Biology in Animals

### Message from the Guest Editor

This Special Issue will focus on the broad scope of developmental biology, from mice to humans. This issue will look especially closely at epigenetics during the developmental stage, with the aim to advance this scientific field and improve the efficiency of animal production and human medicine. Recently, we conducted research on the fat development of gene expression and cell fate determination using pigs to investigate how this could be applied to human regenerative medicine. In particular, we are interested in resolving the question of whether fat cells undergo epigenetic gene modification in the developmental environment. We hope this Special Issue *Animals* will further elucidate the subject and contribute to the scientific knowledge base on human medicine. We encourage the submission of original research papers and reviews for this Special Issue. Potential topics for submissions include but are not limited to the following: (1) gene expression system and gene modification by epigenetics; (2) common mechanisms between animals and humans; and (3) effect of maternal perinatal environment on their offspring's development.

### Guest Editor

Dr. Yuki Muranishi

Department of Life and Food Science, Obihiro University of Agriculture and Veterinary Medicine, Obihiro 080-8555, Japan

### Deadline for manuscript submissions

closed (20 October 2023)



## Animals

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*Animals*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto:animals@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Animals* is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

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### Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
  2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia
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