



animals



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Conservation Genetics: From Host to Microbiome

Guest Editor:

Dr. Lifeng Zhu

College of Life Sciences, Nanjing
Normal University, Nanjing
210046, China

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Message from the Guest Editor

The animal microbiome (e.g., gut microbiome) plays an essential role in host health and development. An increasing number of studies have determined that animal conservation should also focus on conserving their symbiotic microbiome. For example, anthropogenic influence resulting in habitat loss and fragmentation has led to the loss of either host genetic diversity or symbiotic microbial diversity. Globalization and urbanization also profoundly affect host genetic diversity and symbiotic microbiome. Humans pass their microbiome into wildlife living in the city, and some of these bacteria are opportunistic pathogens. Recently, the conservation metagenome has pushed animal conservation forward by integrating the levels from host genetics and symbiotic microbiome.

Thus, we invite you to submit your recent findings to this Topic on “Animal Conservation Genetics: From Host to Microbiome” in the form of original research or review articles and communications.



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Special Issue



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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

Message from the Editor-in-Chief

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Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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