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## Epigenetics and Adaptation

Guest Editors:

### **Prof. Dr. Christoph Grunau**

Laboratory of Interactions of Hosts, Pathogens and their Environments (IHPE), Université de Perpignan Via Domitia, Perpignan, France

### **Dr. Jérémy Le Luyer**

Centre Ifremer du Pacifique, UMR-241 Ecosystèmes Insulaires Océaniques, Institut Français pour l'Exploitation de la Mer, 98719 Taravao, Tahiti, Polynésie Française

### **Dr. Martin Laporte**

Institut de Biologie Intégrative et des Systèmes (IBIS), Université Laval, Quebec City, QC G1V 0A6, Canada

### **Message from the Guest Editors**

It has become clear that epigenetic mechanisms are often involved in organismal responses to the environment, and, at the same time, that part of the epigenetic code can be transgenerationally stable. However, the extent to which these two phenomena are linked and contribute to the adaptive capacity of natural populations remains unclear. So far, most insights about the determinants of epigenetic variation comes from studies of a few model species. However, high-resolution analysis methods are increasingly being adopted to investigate epigenetic variation also in non-model species and in natural populations. This rapidly broadens our knowledge of the patterns, causes and consequences of epigenetic variation in natural systems. In this special issue, we will provide an update of this research field, in the goal to better understand the stability of inherited epigenetic marks, the type of sequences affected in the genome, the effects of epigenetic variants on phenotypic variation, and the epigenetic mechanisms underlying phenotypic plasticity and adaptation in plants and animals.

Deadline for manuscript submissions:

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# Special Issue



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### **Prof. Dr. Selvarangan Ponnazhagan**

Department of Pathology, The  
University of Alabama at  
Birmingham, 1825 University  
Blvd, SHEL 814, Birmingham, AL  
35294-2182, USA

## Message from the Editor-in-Chief

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*Genes* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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