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## Sex Chromosome Evolution and Meiosis

Guest Editors:

### **Dr. Frederic Veyrunes**

Institut des Sciences de  
l'Évolution de Montpellier (ISEM),  
Université de Montpellier, Place  
Eugène Bataillon, 34095  
Montpellier, CEDEX 05, France

### **Dr. Frederic Baudat**

Institut de Génétique Humaine  
(IGH), CNRS, Université de  
Montpellier, 141 rue de la  
Cardonille, Montpellier, France

### **Dr. Jesús Page**

Department of Biology,  
Universidad Autónoma de  
Madrid, 28049 Madrid, Spain

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

From the early days of study of genetics and – with ever refined research tools – up to the present time, sex chromosomes have always been a source of fascination. At least three features set sex chromosomes apart from the rest of the genome and drive their unique evolution: the unusual pattern of transmission, the lack of recombination on sex-specific regions, and the absence of synapsis once the two sex chromosomes become divergent enough.

All these three features take place during meiosis, which makes this process the key component to understanding the evolution and differentiation of sex chromosomes. Surprisingly, however, the meiotic behaviour of sex chromosomes and the cellular context in which it happens have received little attention so far.

In this Special Issue, we aim to fill this gap by exploring the large diversity of sex chromosome systems and how the tightly choreographed process of meiosis copes with this. We hope that the table of contents will illustrate this diversity, and that multiple model systems, meiotic processes, and disciplines will be covered.



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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, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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