

Special Issue

Epigenetics in Insects

Message from the Guest Editors

In the 1950s, Conrad Waddington was put on the trail of epigenetics by the observation that thoracic appendages in fruit flies could be modified by changing developmental temperature or treating embryos with ether. It is therefore only natural to devote a Special Issue to Epigenetics in *Insects*. Epigenetics has been more recently defined as the study of mitotically and/or meiotically heritable changes in gene function that cannot be explained by changes in DNA sequence (Riggs et al., 1996). Many epigenetic mechanisms have been discovered and studied in detail in the fruitfly *Drosophila melanogaster*, in which they play crucial roles in the structural organization of chromosomes, in gene regulation during development, and in the control of transposable elements. However, epigenetics is also a very active field of research in other insect species. Indeed, phenotype plasticity in response to environmental changes is very usual in insects and frequently involves epigenetic mechanisms. This Special Issue will report recent discoveries illustrating the major role of epigenetics in a range of insects.

Guest Editors

Dr. Frédérique Peronnet

Institute of Biology Paris Seine (IBPS), Sorbonne Université CNRS,
75005 Paris, France

Dr. Jean-Michel Gibert

Institute of Biology Paris Seine (IBPS), Sorbonne Université-CNRS,
75005 Paris, France

Deadline for manuscript submissions

closed (1 April 2021)



Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/51478

Insects
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
insects@mdpi.com

[mdpi.com/journal/
insects](https://mdpi.com/journal/insects)





Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



[mdpi.com/journal/
insects](https://mdpi.com/journal/insects)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Brian T. Forschler

Department of Entomology, University of Georgia, 413 Biological
Sciences Building, Athens, GA 30602-2603, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed,
PMC, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Entomology) / CiteScore - Q1 (Insect Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.1 days after
submission; acceptance to publication is undertaken in 2.9
days (median values for papers published in this journal in
the first half of 2025).