



## Mechanisms in Aquatic Toxicology

Guest Editor:

**Prof. Dr. Dries Knapen**

Zebrafishlab, Veterinary  
Physiology and Biochemistry,  
Department of Veterinary  
Sciences, University of Antwerp,  
Antwerpen, Belgium

Deadline for manuscript  
submissions:

**closed (30 September 2019)**

### Message from the Guest Editor

Molecular technologies have enabled the development of systems biology approaches allowing us to describe the underlying aquatic toxicological mechanisms to an incredible level of detail. Simultaneously, conceptual frameworks for organizing and structuring toxicological information—most notably the adverse outcome pathway framework—are currently being adopted worldwide, facilitating real-life decision making processes by identifying causal linkages between mechanistic data and biological endpoints that are relevant to risk assessment. This convergence of high-quality, data-rich fundamental science with tractable and transparent application strategies provides a strong basis for facing the complex toxicological challenges of 21st century society. This Special Issue aims to advance our understanding of the impact of toxicants on aquatic organisms and ecosystems, and to contribute to the development of new approaches and applications in aquatic toxicology. We welcome manuscripts that focus on any of these areas, from the fundamental understanding of toxicological mechanisms to computational prediction and regulatory applications of mechanistic aquatic toxicity data.





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Department of Physiology,  
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Conocimiento s/n, 18100 Armilla,  
Granada, Spain

## Message from the Editor-in-Chief

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*International Journal of Molecular  
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MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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