



Aquaporins: Water Channels Essential for Living Organisms

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Message from the Guest Editor

Dear Colleagues,

Water is essential for life. The discovery of water channels, also called aquaporins, provided the molecular explanation for the existence of facilitated passive transmembrane water transport. Aquaporins are characterized by a highly conserved structure, especially in the vicinity of the water pore. Aquaporins are present in all living organisms, including vertebrates, invertebrates, microorganisms and plants, and are involved in many living processes, and in diseases. This Special Issue of the *International Journal of Molecular Sciences*, “Aquaporins: Water Channels Essential For Living Organisms” will focus on the function of aquaporins across all living organisms, including their potential utility in medicine. Authors are invited to submit their contributions that will meet the focus of this Special Issue.

Prof. Dr. Christine Delporte
Guest Editor





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Message from the Editor-in-Chief

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