

Special Issue

Peroxisomes under the Spotlight: Collaboration is the Way to Go

Message from the Guest Editor

In 2019, it will be 65 years since the Swedish doctoral student Johannes Rhodin described, for the first time, the existence of special organelles, currently known as peroxisomes, in mouse kidney cells. After being overlooked for a long time, this organelle has now moved into the spotlight of cell biology, biomedical research, and biotechnology. Peroxisomes are remarkably dynamic organelles whose functions can differ substantially across different species, life stages, and environmental conditions. To maintain their function and dynamics, these organelles must exchange substrates, metabolites, and signaling molecules with other subcellular compartments. This Special Issue aims to provide a forum for researchers around the world to share their latest findings and views on how peroxisomes communicate with their environment to support cellular functions. Potential topics include, but are not limited to, the molecular, biochemical, and cellular mechanisms that control peroxisome dynamics and functions in various organisms and disease states.

Guest Editor

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