



Bacterial Plasma Membrane Dynamics

Guest Editor:

Dr. Hiromi Nishida

Department of Biotechnology,
Toyama Prefectural University,
5180 Kurokawa, Imizu, Toyama
939-0398, Japan

Deadline for manuscript
submissions:

closed (30 September 2020)

Message from the Guest Editor

Dear colleagues,

The cell cycle mechanism of bacteria has not been studied as much as that of eukaryotic cells. For example, little research has been done on the relationship between DNA replication and plasma membrane biosynthesis. Studies on enlargement of bacterial protoplasts or spheroplasts showed that plasma membrane and outer membrane biosyntheses require metal ions and DNA replication together with generating vacuoles in the cytoplasm. How do those bacterial protoplasts or spheroplasts maintain the electron transport chain system during enlargement of the plasma membrane? This research topic focuses on the bacterial plasma membrane dynamics, which includes its evolution, function, and structure.

Dr. Hiromi Nishida
Guest Editor





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Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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