

Special Issue

Molecular Regulatory Mechanisms of Membrane Trafficking

Message from the Guest Editor

The targeting and localization of newly synthesized and imported molecules to their own cellular destinations are a fundamental prerequisite for living organisms. Membrane trafficking is responsible for the broad spectrum of cellular functions, including vesicular transport, secretion, biogenesis, and maintenance of organelles, cell division, protein degradation, signal transduction, etc. Impairment of these functions could cause onset of many diseases; thus, understanding the molecular mechanisms and the regulatory mechanisms of membrane trafficking is important not only to gain knowledge concerning how living organisms could live, but also to find new pharmacological targets for a diverse range of diseases. In this Special Issue, we will focus on the physiological functions of the proteins which are involved in membrane trafficking, especially in the secretory and endosomal pathways. We will also discuss how these pathways could be interconnected and involve the onset of many diseases.

Guest Editor

Prof. Dr. Satoshi Kametaka

Division of Biofunctional Sciences, Department of Integrated Health Sciences, Nagoya University Graduate School of Medicine, 1-1-20 Daiko-Minami, Higashi-ku, Nagoya, Aichi 461-0047, Japan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

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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