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Golgi Apparatus Dysfunction in Disease

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Deadline for manuscript submissions:

closed (28 February 2023)

Message from the Guest Editor

The Golgi apparatus is essential to maintain cellular homeostasis, playing a fundamental role in the modification, package, and transport of proteins and lipids towards their specific targets.

The dynamic structure and functional integrity of the Golgi is determined and finely regulated by the orchestrated contribution of microtubule and actin cytoskeletons, golgins, and Golgi stacking proteins among others.

Mutations in genes encoding Golgi resident proteins cause genetic diseases that result in membrane trafficking defects. In addition, Golgi ribbon fragmentation is observed in cancer, infectious, and neurodegenerative diseases.

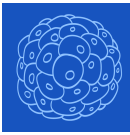
However, it is not fully understood how impaired Golgi architecture affects its function or whether it is a cause or consequence of disease progression.

This Special Issue will focus on Golgi dysfunction in disease and will collect original research articles and reviews that expand our basic knowledge of the Golgi apparatus.



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Special Issue



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