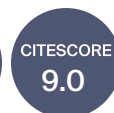




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Redox-dependent ER processes

Guest Editor:

**Prof. Dr. Gerardo Z.
Lederkremer**

School of Molecular Cell Biology
and Biotechnology, Faculty of
Life Sciences, Tel Aviv University,
Tel Aviv 69978, Israel

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editor

Dear Colleagues,

Since the discovery of its oxidizing environment, much attention has been dedicated to understanding the redox-dependent processes taking place in the ER. In spite of this, the mechanisms of redox regulation are still not entirely elucidated, and the functions have been characterized for only a handful of the about 20 oxidoreductases involved in disulfide oxidation, reduction and isomerization during protein folding in the ER. Recently identified functions include regulation of ER folding and quality control machineries. This Special Issue seeks reviews and original papers covering a wide range of topics related to redox-dependent ER processes, such as redox dynamics and maintenance, and thioredoxin-like protein involvement in protein folding and other mechanisms in the ER.

Prof. Gerardo Z. Lederkremer
Guest Editor



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Cells Editorial Office
MDPI, St. Alban-Anlage 66
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