



New Amine Oxidase Inhibitors and Enzymes in Oxidative Stress-Related Pathologies

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Message from the Guest Editors

Amine oxidases (AOs) are a heterogeneous group of enzymes that catalyze the oxidative deamination of biogenic and exogenous amines to generate biologically active reaction products, such as aldehydes, ammonia and hydrogen peroxide, which may in turn influence cells and tissues.

The aim of this Special Issue is to collate original research, clinical studies and review articles describing the current findings on the development of novel inhibitors of the different AOs in targeting various pathologies, and on novel correlations between amine oxidase activity and the various oxidative stress-related diseases.

Specific topics of interest include but are not limited to the following:

- Novel inhibitors of AOs in relation to oxidative stress-related pathologies;
- New pharmacological approaches involving AOs as molecular targets;
- Novel physiological and pathological roles of spermine oxidase, MAOs, VAP-1 and other AOs (lysyl oxidase, LSD-1, diamine oxidase, ...)
- Relationships between oxidative stress and amine oxidase activity under healthy and disease conditions.





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Message from the Editor-in-Chief

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