

## Special Issue

# The Role of Lysosomal Proteases in Cancer and Infectious Diseases

### Message from the Guest Editor

Lysosomal proteases are classified into three classes according to their active sites, cysteine cathepsins (which include cathepsins B, H, V, W, K, L, X, C, S, F and O), serine cathepsins (which include cathepsins G and A), and aspartic cathepsins (which include their two members cathepsins D and E). The aim of this Special Issue is to develop the knowledge of lysosomal proteases and explore how they play an important role in physiological processes and diseases. Topics of interest include, but are not limited to, the following:

- Impact of lysosomal proteases in cancer;
- Impact of lysosomal proteases in viral diseases;
- Impact of lysosomal proteases in neurodegenerative diseases and inflammation;
- Effect of lysosomal protease inhibitors on tumor progression;
- Effect of lysosomal proteases on radiation therapy treatment;
- Induction of apoptosis of lysosomal cathepsin inhibitors in cancer cells;
- Molecular mechanism underlying the inhibition of lysosomal proteases;
- Role of lysosomal proteases on the cytotoxicity of fungal and bacterial toxins;
- Role of lysosomal proteases in aging.

### Guest Editor

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### Deadline for manuscript submissions

closed (15 July 2024)



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### Editor-in-Chief

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