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Targeting Proline Metabolic Pathway for Regulation of Apoptosis/Autophagy in Cancer

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Message from the Guest Editor

Proline metabolism involves glutamate and ornithine, and enzymatic activity of proline oxidase, Δ^1 -pyrroline-5-carboxylate (P5C) reductase, P5C dehydrogenase, P5C synthetase, and ornithine d-aminotransferase. The pathway is connected to other essential metabolic cycles: TCA, urea, and pentose phosphate pathway. Disorders in proline metabolism are linked to several diseases. Recent discoveries on the proline metabolism, enzymes involved in proline synthesis and catabolism indicate its important role in tumor growth and cancer progression.

This Special Issue aims to cover the cutting-edge research activities and recent advancements in the area of proline metabolism pathways and factors regulating its activity as a molecular target for cancer treatment.

I cordially invite you to publish your manuscripts in this *Pharmaceuticals* Special Issue, titled “Targeting Proline Metabolic Pathway for Regulation of Apoptosis/Autophagy in Cancer.”



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Special Issue



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