



Antithrombin: News about an Old Molecule

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Deadline for manuscript
submissions:

closed (31 January 2021)

Message from the Guest Editor

Dear Colleagues,

Antithrombin is a key inhibitor of the coagulation cascade. Its deficiency is associated with an increased risk of venous thrombosis and pulmonary thromboembolism. Since 1965, when O. Egeberg diagnosed antithrombin deficiency in a family with a high incidence of venous thromboembolism, knowledge about this protein has increased enormously. Although the characterization of antithrombin deficiency has helped to better understand this protein, there are several aspects that are not yet well characterized. In the last decade, some documents have demonstrated the function of antithrombin beyond hemostasis, demonstrating its function by reducing bacterial and viral infection and inhibiting some deregulated proteases in cancer. On the other hand, antithrombin is a glycoprotein and the relevance of glycosylation in its function has not always been considered. In this special issue, we welcome reviews or experimental articles that show significant advances in characterizing antithrombin function beyond inhibition of coagulation targets and those who consider the influence of glycosylation on antithrombin function.





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Message from the Editor-in-Chief

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