

## Special Issue

# Antithrombin: News about an Old Molecule

### Message from the Guest Editor

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.

### Guest Editor

Dr. Irene Martínez-Martínez

Servicio de Hematología y Oncología Médica, Hospital Universitario Morales Meseguer, Centro Regional de Hemodonación, Universidad de Murcia, IMIB-Arrixaca. Murcia, Spain

### Deadline for manuscript submissions

closed (31 January 2021)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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