

Platelet glycoprotein VI in the regulation of thrombus growth

Citation for published version (APA):

Perrella, G. (2022). Platelet glycoprotein VI in the regulation of thrombus growth. [Doctoral Thesis, Maastricht University]. Maastricht University. https://doi.org/10.26481/dis.20221004gp

Document status and date: Published: 01/01/2022

DOI: 10.26481/dis.20221004gp

Document Version: Publisher's PDF, also known as Version of record

Please check the document version of this publication:

 A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.

• The final author version and the galley proof are versions of the publication after peer review.

 The final published version features the final layout of the paper including the volume, issue and page numbers.

Link to publication

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these riahts.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
 You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

Propositions belonging to the dissertation

Platelet Glycoprotein VI in the Regulation of Thrombus Growth

Gina Perrella

- 1. The estimated high number of asymptomatic glycoprotein VI-deficient individuals in Chile makes this receptor a useful anti-thrombotic target without involvement in haemostasis. (*This thesis*)
- 2. Glycoprotein VI is activated by charge interactions, and this activation process contributes to the formation of procoagulant platelets. (*This thesis*)
- 3. Under conditions of flow, the interaction of platelets with fibrin or fibrinogen induces a low level of glycoprotein VI activation which is supported by engagement with integrin α IIb β 3. (This thesis)
- 4. The protein tyrosine kinase Syk of platelets regulates thrombus stability in synergy with the secondary mediators ADP and thromboxane A_2 . (*This thesis*)
- 5. Targeting the protein tyrosine kinases downstream of glycoproteins and integrin α IIb β 3 promises to provide a suitable long-term oral therapy in the treatment and secondary prevention of arterial thrombosis. (*This thesis*)
- 6. The secret of getting ahead is getting started. (Mark Twain)
- 7. An expert is a person who has made all the mistakes that can be made in a very narrow field. (*Niels Bohr*)
- 8. The most beautiful experience we can have is the mysterious. It is this fundamental emotion that stands at the cradle of true art and true science. *(Albert Einstein)*
- *9.* Consider your origin. You were not formed to live like brutes, but to follow virtue and knowledge. (*Dante Alighieri, verses 118-120, canto XXVI of hell. The Divine Comedy*)
- 10. We live in a society exquisitely dependent on science and technology, in which hardly anyone knows anything about science and technology. (*Carl Sagan*)
- 11. Scientists can have great ideas during drinks, but when drinking too much they forget the great ideas. (*Gina Perrella and a British scientist*)

October 4th, 2022