

Platelet glycoprotein VI in the regulation of thrombus growth

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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 $\alpha\text{IIb}\beta\text{3}$. (*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 $\alpha\text{IIb}\beta\text{3}$ 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