

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: **Diabetes enhances platelet thrombi in a needle *in situ* thrombosis model [corresponding to Fig. 1c,d].** In control (non-DM) and diabetic (DM) mice, thrombus formation was monitored following needle tip insertion (needle *in situ* thrombosis model), as described under 'Methods'. This movie of DIC intravital microscopy demonstrates exaggerated platelet aggregation in DM mice relative to non-DM mice, over a 3-min period post-needle insertion.

File Name: Supplementary Movie 2

Description: **PI3K β regulates the enhanced thrombotic response in diabetic mice *in vivo* [corresponding to Fig. 7c-f].** Diabetic (DM) wild-type mice pretreated with DMSO (vehicle), the PI3K β inhibitor TGX221 (2.5 mg kg⁻¹) or a combination of aspirin and clopidogrel (Asp/Clop, 200 mg kg⁻¹/3 mg kg⁻¹) and DM PI3K β ^{-/-} mice were subject to the needle *in situ* thrombosis model. Thrombus formation in response to needle insertion was monitored using intravital DIC microscopy for 2 min. This movie demonstrates that the diabetes enhanced thrombotic response was abrogated by PI3K β deficiency or inhibition, but not by Asp/Clop treatment.