

## **Supplementary Information for**

DNAse-dependent, NET-independent pathway of thrombus formation in vivo.

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Figures S1 to S4 Legends for Movie S1

Other supplementary materials for this manuscript include the following:

Movie S1





**Fig. S1.**<u>Localization of thrombi by X-ray microcomputed tomography and analysis by Serial Block</u> <u>Face electron microscopy.</u> (A) Volume rendering of micro-CT reconstructed image of thrombi localized in arterioles of mouse cremaster. Magnification 4x: 1voxel = 5,17um and magnification 40x: 1 voxel = 0,57um. (B) High panel: 3D representative images of coronal plane of arteriole after a laser injury at the median plan of the thrombus core (point a) and at the tail of the thrombus core (point b). Left panel: Lateral overview of the thrombus core obtain after a laser injury by SBF. Right panel: Coronal overview of arteriole after a laser injury from point a to b with a step of 5 mm by SBF.



**Fig. S2.** <u>No NETs are formed in the platelet thrombus core after a laser injury.</u> Revised schema based on SBF data of cells involved in thrombus formation after a laser injury.



**Fig. S3.** <u>DNAse-I degrades ATP and produces ADP.</u> Degradation of ATP in presence of DNAse-I overtime. Two quantities of DNAse-I were tested (5U and 25U). ATP degradation was followed for 20 minutes.





**Fig. S4.** <u>DNAse-I inhibits platelet aggregation by ADP degradation.</u> (A) Aggregation curves of human PRP using different concentrations of ADP (2mM to 20 mM) with or without DNAse-I. (B) Percentage of maximal aggregation after 5 minutes of human PRP aggregation.

**Movie S1 (separate file).** Representative movie of the core of the thrombus after a laser injury in <u>SBF.</u> After determination of platelets thrombi localization in the arterial microcirculation by micro-CT. The thrombus core was studied with an SEM microscope equipped with a VolumeScope SBF module. Acquisitions were performed out at a thickness of 100 nm and a pixel size of 10 nm on 40mm of length. This representative movie is a 3D modelling illustrating the presence of resting platelets, activated platelets and red blood cells in the thrombus core induced after a laser-injury.