"Changes in Platelet Membranes as a Result of Activation"

Abstract: Shear-induced platelet activation is a primary driver of clot formation in patients with mechanical circulatory support (MCS) devices; particularly noteworthy because these thrombotic events occur despite the use of anticlotting agents. As biochemical approaches to this problem have been shown to have limited efficacy, there is a need to understand the changes that occur in platelets due to shear exposure and how these are distinct from biochemically-induced activation. The membrane is of particular interest as it transduces external physical forces and biochemical agents to the interior of the platelet. Here we will examine membrane properties that change as a result of activation, and discuss approaches to limit shear-induced platelet activation.

Please join us
Monday, February 12, 2018
2-2:50 pm, Keating 103
Refreshments available at 1:45 pm

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