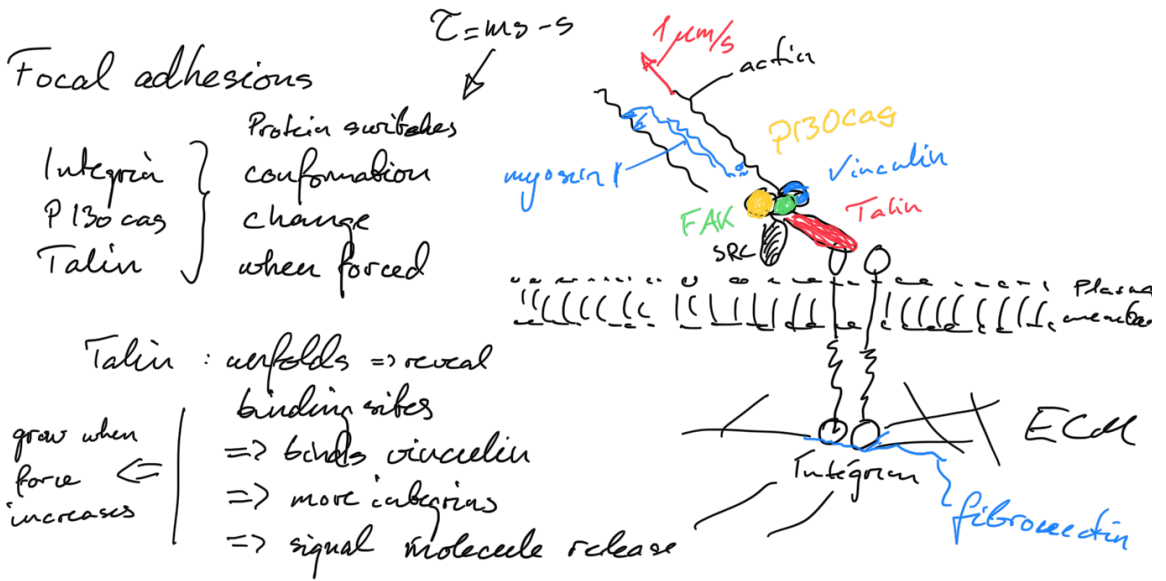


Mechanotransduction DuFort 2011

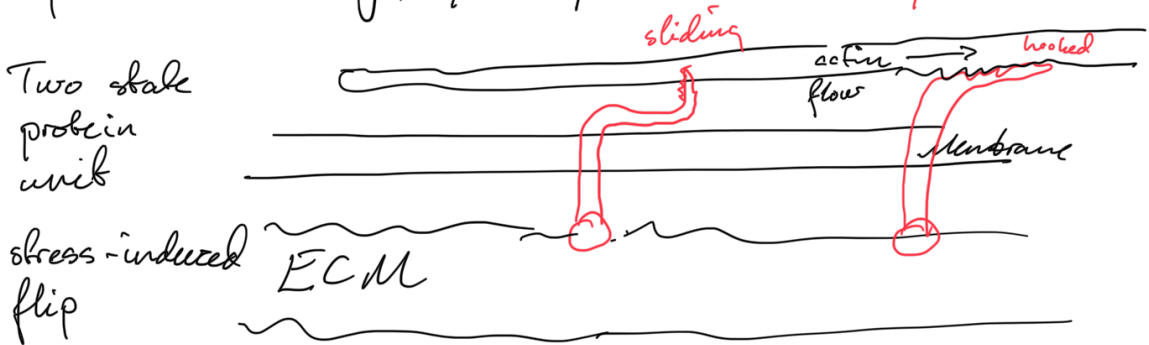
Mechanotransduction - functional link between sensing of mechanical cues
 \downarrow
 Biochemical response



Other mechanisms

Forces \rightarrow changed intermolecular distances \rightarrow altered cellular function

Ref to Pescholdsky, Kozlov, Giger 2006 (400 citing articles)



$$\Rightarrow \varphi = \frac{1}{1 + e^{-(F - F_{AZ})/kT}}$$

There is still a kT !



