Society of Engineering Science 51st Annual Technical Meeting

1-3 October 2014

Purdue University, West Lafayette, Indiana, USA

Microtubule-driven conformational changes in platelet morphogenesis

Stroberg, Wylie, tomstroberg2015@u.northwestern.edu; Liu, Wing Kam; Lichter, Seth, Northwestern University, United States

ABSTRACT

The influence of the range of the involved geometric and material parameters, such as the available area for conformational changes, the bilayer thickness, the interaction energy between transmembrane domains and lipids, is largely explored. Bounds on the available conformations experienced by the transmebrane domains are also provided.