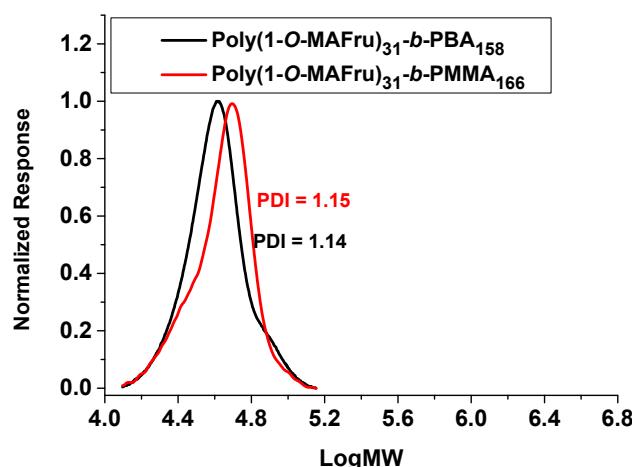


## Supporting Information

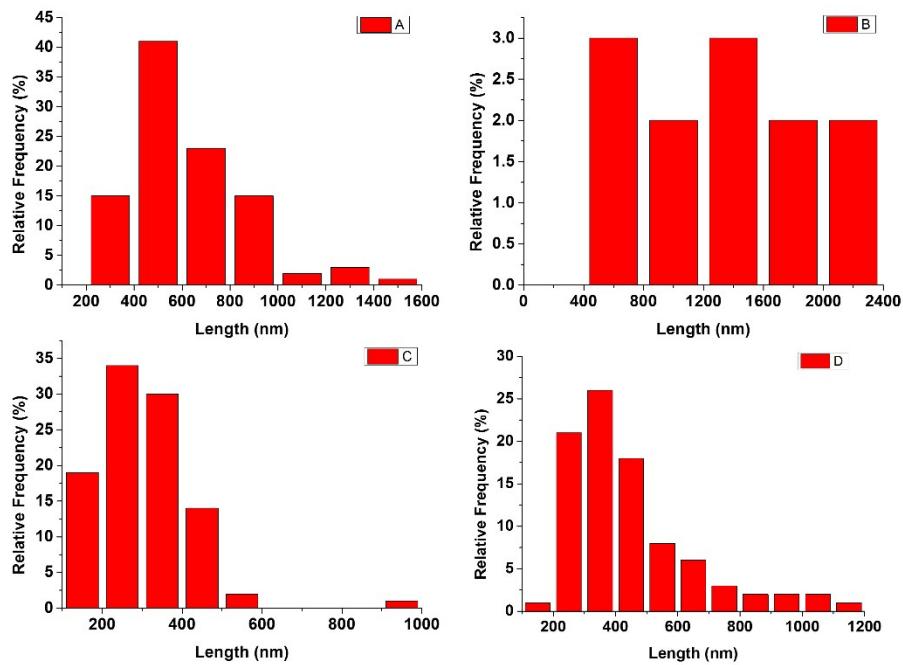
Length *vs* stiffness, which plays a dominant role in  
the cellular uptake of fructose-based rod-like  
micelles by breast cancer cells in 2D and 3D cell  
culture models?

Jiacheng Zhao,<sup>a,b</sup> Hongxu Lu,<sup>a,b</sup> Yin Yao,<sup>c</sup> Sylvia Ganda,<sup>a,b</sup> and Martina H. Stenzel <sup>†a,b</sup>

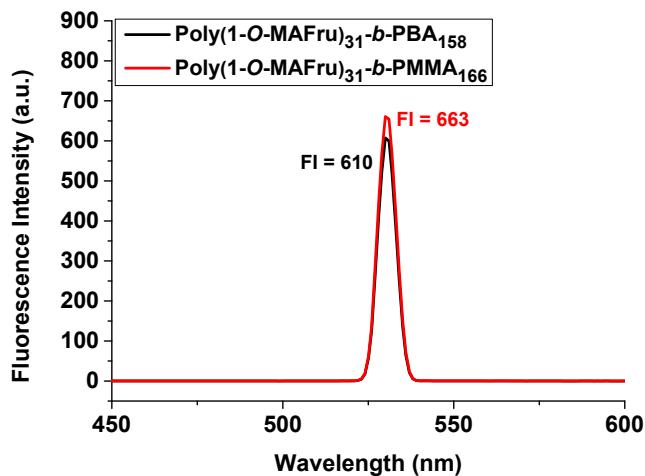
<sup>a</sup>Centre for Advanced Macromolecular Design, <sup>b</sup>School of Chemistry, <sup>c</sup>Electron Microscope Unit, The University of New South Wales, Sydney, Australia.



**Figure S1.** SEC traces of fructose-based amphiphilic block glycopolymers.



**Figure S2.** Length distribution of rods calculated from TEM images.



**Figure S3.** Fluorescence spectrum ( $\lambda_{\text{ex}} = 490$  nm) of Poly(*1-O-MAFru*)<sub>31</sub>-*b*-PBA<sub>158</sub> and Poly(*1-O-MAFru*)<sub>31</sub>-*b*-PMMA<sub>166</sub>.