

**PDMS literature assignment**  
**BIOL 483/BIOL601**

**Name:**

**Assignment Instructions**

Begin by reading the following article:

Natarajan V, Berglund EJ, Chen DX, Kidambi S. Substrate stiffness regulates primary hepatocyte functions. *RSC Adv.* 2015;5(99):80956-80966. doi:10.1039/C5RA15208A

In a word document, respond to the four questions below and upload your responses in the appropriate Assignment area by the end of day on \_\_\_\_\_.

**Response questions**

- 1) What was the purpose of the research project discussed in this manuscript?
  
- 2) How did the scientists physically change substrate stiffness in this experimental study?
  
- 3) What reasoning did the researchers give for modifying the stiffness the way they did for this study?
  
- 4) Discuss the experimental results. Specifically, in your own words, mention three variables that were measured and the results of stiffness of on these variables. Why were these variables relevant to their research?