

## **Pulp Cells for Dental Regeneration**

### **BioE451 section 13**

Understanding how scaffolds affect dental cells is crucial to the design of new strategies to regenerate the pulp-dentin complex. Previous studies have shown that stem cells are sensitive to their mechanical environment; substrate elastic modulus can influence bone marrow stromal cell (BMSC) differentiation. Since substrate modulus may also influence dental pulp stem cell (DPSC) differentiation, the goal of this CI group is to investigate what mechanical and chemical cues may influence the osteogenic/odontogenic potential of DPSCs.

### **Questionnaire**

- 1) Name:
- 2) Major:
- 3) Year at Clemson University (as of May 2011): 1st
- 4) Current Overall GPA:
- 5) Why are you interested in joining this Creative Inquiry experience?

6) What do you want to do when you graduate and why?

7) How do you rate yourself in time management?

I think I am 3 (On time mostly)

Explanation of the choice

1. Well organized (Have a weekly calendars of things to do, always on time for class and meetings, prepare for class/exams in advance)
2. Moderately organized (Have a to do list, always on time for class and meetings, try to give myself some time to get things done)
3. On Time Mostly (Try to show up at class/meetings and get things done on time)
4. Procrastinator (I wait until last minute to do things)
5. Total mess (Always late and/or miss deadlines often)