Spring undergraduate research position - 3

**Application Due:** Review will start immediately

**Start date:** February 8th 2018

**End date:** February 2019 (with a potential with continued employment)

Mechanical adaptations laboratory seeking motivated individuals to work on a NASA funded research project as early as February 2018. Project is focused on understanding how simulated microgravity (unloading) and mechanical signals (loading) affect mesenchymal stem cell structure and radiation response.

Duties will include, maintaining cell culture, using experimental apparatus to apply, simulated microgravity, vibrations or strain to cells. Sample preparation including RNA and DNA extraction and protein normalizations as well as quantifying your findings using bimolecular tools such as western blots and PCR. Past experiences using these techniques are desirable but not required. All the training necessary for performing the tasks will be provided and students will work under graduate student or faculty advisors to perform the work.

We are looking for motivated individuals who are competent in learning new methods. An ideal candidate would be a freshman, sophomore or junior in a biomedical related field (Science or Engineering both acceptable) who is hardworking, self-reliant, well-organized and interested in regenerative medicine and space biology. Seniors with an interest in research careers will also be considered. This job would be an excellent opportunity gain research experience in a growing and exciting field of biomedical engineering. Please [check out our website](#) for more information.

**Hours:** Part-time during Spring 2018/Fall 2019 (~15hrs /week), Full time during summer 2018 (40hr/week).

**Application:** Send your resume, unofficial transcript, a brief cover letter to Dr. Gunes Uzer (gunesuzer@boisestate.edu). Review of applications will start immediately on a rolling basis and selected students will be contacted for an interview as early as possible.