

Honors Research Project Proposal





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Title of Proposed Project: Oxidative Stress Analysis of Placental Tissue in the RUPP Pregnant Rat	
Major: Biomedical Science	Graduation (semester/year): Spring/2020

Please include a brief (maximum 200 words) summary of your proposed project

The overarching question I will be investigating in my experiment is determining the level of oxidative damage that is occurring in RUPP and SHAM placenta tissue. In addition I will be determining whether this damage is reversible with the L- tyrosine polyphosphate (LTP) nanoparticles that encode for VEGF2 receptors. I will be measuring oxidative damage by using the following tests: 8-isoprostane test, TBARS assay, SOD assay kit, nitrotyrosine monoclonal antibody test.

Approval:

Honors Course No.: 3160 499	No. of Project Credits: 2
Honors Project Sponsor Signature/Date  10/30/19	
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Your approved cover sheet and proposal must be submitted to the Williams Honors College through IdeaExchange