

Eckley Summer Scholars and Artists Endowment - Proposal Rubric

Rating/Category	Excellent (9-10)	Good (6-8)	Fair (3-5)	Poor (0-2)
1. Project Description	The proposal identifies a motivating idea, problem, and/or question. It presents a clear project design with specificity about procedures and methods, including the analytic approach.	The proposal identifies a motivating idea, problem, and/or question and provides a general outline of project activities that includes procedures and methods.	The proposal does not identify a motivating idea/problem/question, and/or does not outline the proposed project activities.	The proposal does not identify a motivating idea/problem/question, nor outline the proposed project activities. It is not clear that the student understands the work to be completed.
2. Goals and Outcomes	The goals of the project are clearly stated. Specific products (presentations, publications, or other appropriate outcomes) are described and seem attainable.	The goals of the project are clearly stated. Products (presentations, publications, or other appropriate		
3. Originality	independent of semester coursework. contribution to the field. It is clear how the project is It is clear that the project will make an original	clearly. independence of coursework is addressed but not Originality is addressed but not clearly proven.		

[Redacted]

Eckley Proposal for Jadya Bothe, supervised by Dr. Tyler Schwend

Project Summary:

The cornea is the most densely innervated tissue in the human body. Corneal nerves perform critical functions including tear production and detection of harmful stimuli.

[Redacted]

[Redacted]

Methodology of study

Drinking water contains thyroid hormone

Prof. Schwend (the mentee) obtains eye and uses nerve staining technique.

Prof. Schwend (the mentee) obtains brain tissue and uses a molecular biology technique to confirm mouse embryos have elevated thyroid

Figure 1: Methodology of Study.

All work involving the animals will be

them and their developing embryos have

thyroid by feeding mom TH in her drinking water. Our collaborator will obtain mice embryos and harvest 3 organs (eye, brain, liver). The eyes and brains will come to IWU. I will conduct a nerve staining protocol followed by microscopy to observe the effects of TH on somatosensory growth. De-

Melinda Burgin
Environmental Inequities

WIT

