SEMESTER/EXPLORATORY GRANT APPLICATION Cover Sheet

Project Information	Amount Requested: \$993.84	
Friedel, Kelton		
Student Participant (Last, First)		
The role of metalloproteases in retinal r Project Title (10 words or less)	regeneration in zebrafish	
Sandquist, Elizabeth Faculty Mentor Name (last, first)	2505	
Faculty Mentor Name (last, first)	Mail Code	
Science	Zoology	
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a	MAR	4-1-19
Faculty Me	ntor Department Chair	Date
Please cl	heck if attended Research Prop	osal Workshop:
	Date Workshop attended	3-13-2019 (Please fill in the date of attendance)

Kelton Enidel	4/1/2019
Student Signature	Date
Student Signature	Date
Student Signature	Date

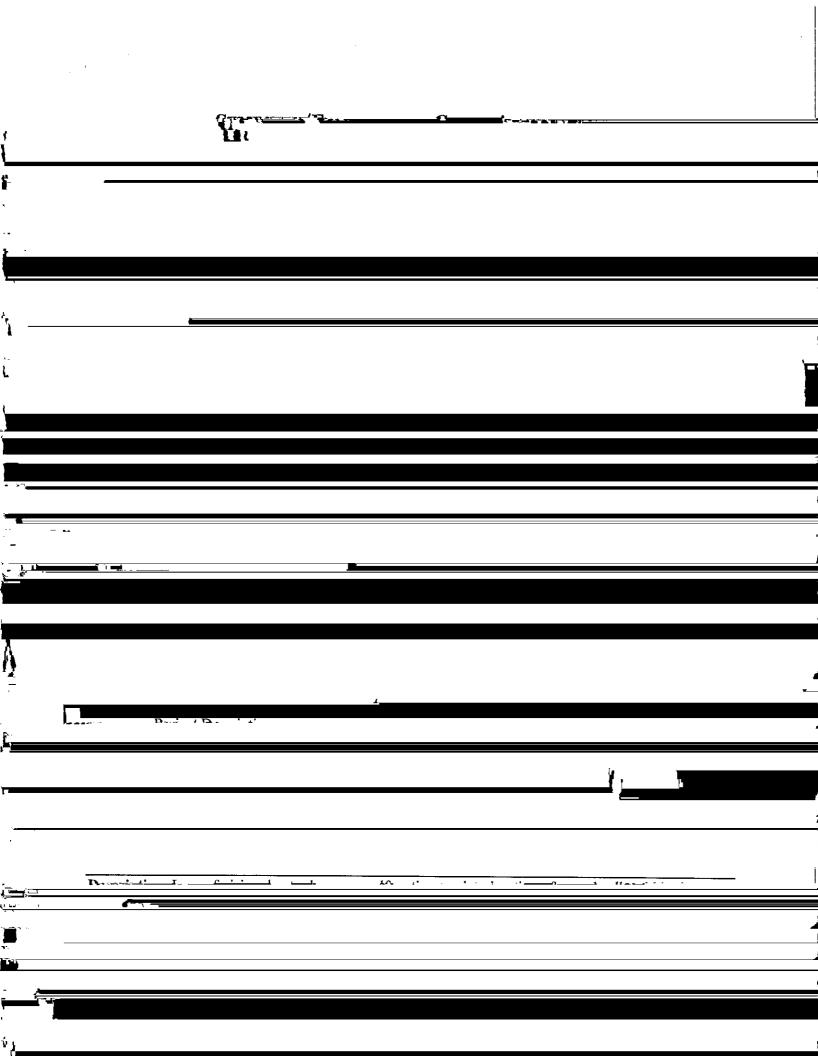
Please make additional copies of this form for additional students.

SEMESTER/EXPLORATORY GRANT APPLICATION Budget Worksheet

BUDGET ITEM	Department or College Funds	Outside Agency Funds	Personal Funds	Undergrad. Research Funds	GRAND TOTAL
Materials			\$2,100.00	\$993.84	\$3093.83
Equipment					
Mileage to gather Data (.38 per mile)					
GRAND TOTAL	:		\$2,100.00	\$993.84	\$3093.84

NOTES:

•	Maximum	request not to exc	eed \$1000 and m	ay not include a	Research Schol	larship.	
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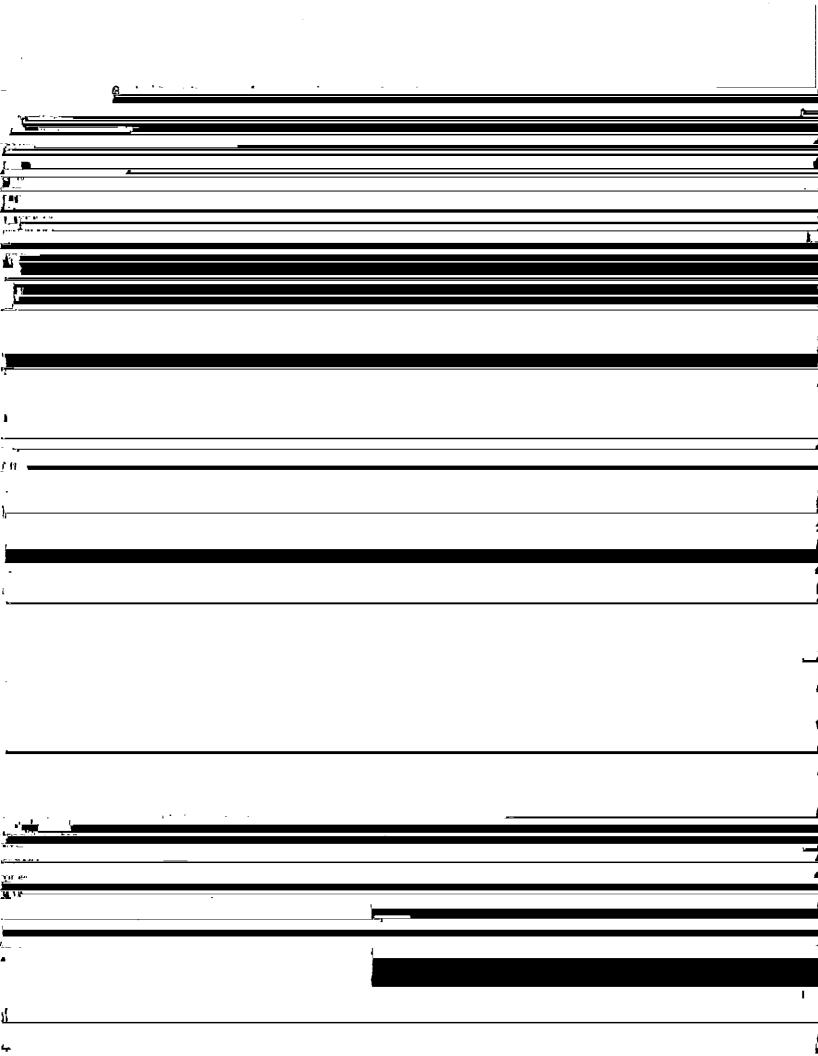




	Once everything was set up, I began to work in the lab under Dr. Sandquist and began to feed our
	zebrafish school. I still work with other students to toke care of our rebrafish, but I am now advancing
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	to an independent research project.
	I am currently nursuing a Rachelar's Degree of Science in Toology with a Missa in Cl
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Immunohistochemistry will be performed on zebrafish grown in the Sandquist lab at Weber State	-14a will be used for <i>in situ</i> hybridization, as well as control tests with no probe. Zebrafis	_1_
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Janssens, E., Gaublomme, D., De Groef L., Darras, V. M., Arckens, L., Delorme, N.,... Moons, L. (2013). Matrix Metalloproteinase 14 in the Zebrafish: An Eye on Retinal and Retinotectal



SEMESTER/EXPLORATORY GRANT APPLICATION Faculty Recommendation Form

	Student Name (last, first): <u>Keiton Friedel</u>	_
	Project Title: The role of metalloproteases in retinal regeneration in zebrafish	
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Kelton is majoring in Zoology, which encompasses animal and cell biology. This research will provide a critical foundation for the enhancement of stem cell therapies in the future. He is also a pre-med student with a fascination for research. During this project, will learn common cellular and molecular techniques, as well as research animal husbandry. This opportunity will provide him with a glimpse into the basic research behind the innovative medicine he may one day practice. His research will culminate in the presentation of a poster and contribution to a scientific paper, of which he will likely be an author. This research experience, as well as authorship of a publication, will place him in a competitive position for medical school.

	4. Comment on the qualifications of the student to successfully complete this project, both in terms of
	the project's seems and its time forms
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	Kolton bas been valuate attach 10 been / 11 5 11 0010
	Kelton has been volunteering 10 hours/week since Fall 2019, providing a good foundation in the table to be
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This project xDOESDOES NOT require review by the WSU Institutional Review Board for Human Subjects or the WSU Animal Care and Use Committee.			
IACUC pending (April review).			
Elizabeth Sandanist			
Project Mentor Signature	Date		
2050 (0139			
Campus Mail Code Phone Extension			
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