

## Vertebrate Animal Form (5B)

Required for all research involving vertebrate animals that is conducted in at a Regulated Research Institution.  
(IACUC approval required before experimentation. Form must be completed and signed after experimentation.)

Student's Name(s) Asha Rath

Title of Project Assessing the Pathological Effect of Maternal Malnourishment and Fetuin-B on Placental Tissues

Title and Protocol Number of IACUC Approved Project Short and Long Term Problems of the Low Weight Neonate 18-2-0618

### To be completed by Qualified Scientist or Principal Investigator:

1. Species of animals used: Mice Number of animals used: 10-20
2. Describe, in detail, the role of the student in this project: animal procedures and related equipment that were involved, oversight provided and safety precautions employed. (Attach extra pages if necessary.)  
The student will not be directly handling the mice; the student will receive placental tissues that will then be used in staining.
3. Was there any weight loss or death of any animal? If yes, attach a letter obtained from the qualified scientist, designated supervisor or a veterinarian documenting the situation and the results of the investigation.  
The animals did not experience any weight loss or death.
4. Did the student's project also involve the use of tissues?  
☐ No  
☒ Yes; complete Forms 6A and 6B
5. What laboratory training, including dates, was provided to the student?  
Training for cell quantification using Image J: 7/02/19  
Training for immunohistochemistry: 7/9/19, 7/10/19
6. **Attach a copy of the Regulated Research Institution IACUC Approval.** A letter from the Qualified Scientist or Principal Investigator is not sufficient.

Qualified Scientist/Principal Investigator

Brian Ratliff

Printed Name

Signature

9-6-19  
Date (mm/dd/yy)



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**June 13, 2019**

**IACUC REVIEW FORM**  
**IACUC APPROVAL #: 18-2-0618**  
**DATE OF IACUC REVIEW: 6/13/2019**

**Investigator:** Brian Ratliff

**Department:** Medicine

**Title of proposal:** Short and Long Term Problems of the Low Weight Neonate

**Status:** 1<sup>st</sup> Cont.

**Granting Agency:** NIH

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**IACUC Review:**

**IACUC Approval was granted with the following modifications.**

- Original protocol:
  - B5: justify numbers for 3 years, not 5 years, and please add a table to clarify the number of animals used.
  - B6: Given the level of mortality in this experiment, if the level of malnutrition equal to that of humans? IACUC wants the minimal level of malnourishment to produce the effect on the kidneys.

**Please be aware that you cannot initiate the study until updates are received.**

**Signature:** *K. Elson*