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) __Kathleen Gray__

Title of Project __Using Executable Biology to computationally model loss of RASA3 Function and its Impact on Erythropoiesis and Epiphyseal Plate Development —__

Title and Protocol Number of IACUC Approved Project __2012-021, Hematopoietic Failure due to the mutation of Rasa3 in the scat (severe combined anemia and thrombocytopenia) mouse model__

To be completed by Qualified Scientist or Principal Investigator:

1. Species of animals used: __Mus musculus (BALB/cByJ-scat)__   Number of animals used: __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.)

- post-mortem dissection of murine hind limbs with scissors and forceps after proper training (gloves + labcoat always worn; proper waste disposal)
- preparation of murine hindlimb histological slides for staining
- staining and imaging of murine hindlimb growth plates on fluorescent microscope after training

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.

N/A

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 in murine limb dissection, slide prep, and imaging (6/24/19 – 6/28/19)
- training in cell isolation from cord blood (human)   (6/24/19 – 6/28/19)

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
Elena Brindley
Printed Name
Elena Brindley (Signature)   Date (mm/dd/yy) 6/20/19