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## Brief on Justification for Using Animals and Justification for using Species – prepared by the Emory IACUC Office

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Regulatory Requirements – The Guide for the Care and Use of Laboratory Animals, 8<sup>th</sup> Ed.

### 1. OLAW

- The Guide page 25 ... The following topics **should** be considered in the preparation of the protocol by the researcher and its review by the IACUC... justification of the **species** and **number** of animals proposed; whenever possible, the number of animals and experimental group sizes should be statistically justified

### 2. Animal Welfare Act – “why using animals at all”

USDA regs 2.31 states: A rationale for involving animals, and for the appropriateness of the species and numbers of animals to be used.

#### Justification for Using Animals and Justification for using Species in eIACUC

**Justification for using animals (Q3)** – why are you using animals at all instead of using computer modeling, in vitro techniques, or other alternatives

**Justification for using this species (Q5)**– what is unique about the species that you are proposing to accomplish the specific aims of the proposal

#### Example Justification for using animals in eIACUC – Question 3

3. \* Provide the rationale for **using animals** in this protocol:

Animal models are required to study complex traits such as the genetic basis for tumor development, progression and metastasis. This cannot be completely mimicked with in-vitro systems

#### Example Justification for using this species – Question 5

5. \* Justify why each **proposed species** was chosen for this protocol:

Mouse is the species of choice for these experiments since the complex genotypically engineered animals we need for these experiments are available in the mouse. In addition the mouse as a general model system has proven productive for these proof of principle studies