



**DF/HCC Mouse Engineering Core**  
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## INJECTION OF EMBRYONIC STEM CELLS INTO BLASTOCYSTS

### CONTACT INFORMATION

Date: _____	Project Name: _____
Principal Investigator: _____	
Institution: _____	Department: _____
Address: _____ _____	
Phone: _____	Email: _____
Lab Contact: _____	
Phone: _____	Email: _____

### ADDITIONAL INFORMATION

**1. Do you receive industrial support for:**

- a. any portion of your salary, or the salary of individuals working under your supervision, on the project in which the transgenic mouse will be used?     Yes     No
- b. the research project in which the transgenic mouse will be used?     Yes     No
- c. purchase of supplies, reagents, animals, tissues or cells which will be used in the research project for which the transgenic mouse is requested?     Yes     No

**2. Do you have any active agreements with industry for the same scope of work for which the transgenic mouse will be used?**     Yes     No

If you answered "Yes" to Questions 1 or 2, please explain briefly:

3. Will the transgenic mouse be used in conjunction with any other Material(s) received (not purchased) from another institution, company or any other third party?  Yes  No

If "Yes", please identify the other Material(s) and where it/they came from:

If "Yes", was there any Agreement, Statement of Investigator Form, letter of intent or correspondence of any kind between you and the provider of the Other Material(s) stating conditions, restrictions, or guidelines under which the Other Material(s) would be used?  Yes  No

4. Do you anticipate reporting the results generated from the studies using the transgenic mouse to any for-profit entity?  Yes  No

If "Yes", please identify the for-profit entity:

**5. Scientific Rationale**

Briefly describe the specific aim of the study, and the rationale for generating this knockout strain.

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**6. Animal Protocols**

Provide the appropriate protocol number(s) for project obtained from the Harvard IACUC.

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**7. ES Cell Line**

a. What ES cell line will you be using? \_\_\_\_\_

b. In what gene has the targeted homologous recombination event occurred?

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c. Describe homologous recombination construct. (Attach a schematic diagram of construct. Include restriction map, location and size of exons, introns.)

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d. What is the evidence for targeted homologous recombination event? (Southern, PCR)

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**8. Provide photograph containing:**

- a. Cell line with recombination event
- b. Wild-type cell line
- c. Appropriate sized quantitation marker

