



**NCI-FREDERICK
INSTITUTIONAL BIOSAFETY COMMITTEE**

Minutes
December 18, 2007
NCI-Frederick

The NCI-Frederick Institutional Biosafety Committee was convened at 12:05 p.m. in the Building 549 Executive Boardroom with the following members in attendance:

Ms. Theresa Bell, Secretary	Dr. Henry Hearn
Dr. Randall Morin	Dr. Stephen Hughes
Ms. Alberta Peugeot	Dr. Jeanne Herring
Dr. Bruce Crise	Dr. Stephen Creekmore
Ms. Dianna Boissey	Dr. Melinda Hollingshead
Dr. Dan McVicar	Mr. Lucien Winegar

Members not in attendance: Dr. David Garfinkel, Dr. Michael Baseler

Others in attendance: Ms. Cara Leitch, Dr. Scott Keimig, Dr. Robert Thomas, Ms. Gail Housaman, Ms. Robin Pickens

NEW BUSINESS

07-66 (Curry) Animal Holding

- This request is for a holding service protocol only.
- When animals are transferred to the holding protocol, the PI will have to cross-reference the animals as they are received to document who has ownership of the animals. The IBC registration must be amended each time an animal is transferred onto the holding protocol.
- Animals are not physically relocated out of their original area when transferred to the holding protocol so there is no issue with animal handlers other than those previously approved to handle the mice.
- Animals should not be on a holding protocol longer than 1 month without additional amendments to document the reasons for the delay.

Dr. Hollingshead made a motion to approve with caveats as noted above, Mr. Winegar seconded, and all were in favor.

07-65 (Hou) Mouse Models to Investigate Development and Stem Cell Regulation

- There are no specific concerns associated with this protocol. The DNA is not hazardous and minimal risk is involved.
- Cre expression is being crossed in via breeding.

Dr. Hughes made a motion to approve, Dr. Crise seconded, and all were in favor.

07-64 (Swing) Generation of Transgenic Mice by Microinjection

- There is no viral genetic material.
- A list of genes being inserted must be sent to the IBC office to have on file.
- E6a1: This should state “horizontal transmission” rather than “vertical transmission”.
- How will the potential hazards be addressed in case of accidental inoculation with DNA?
- Eye protection must be worn when exposed to UV light. Alternative methods should be identified for mitigating hazards associated with UV light use.
- UV light is mentioned in the SOP as a disinfectant – this is not recommended.

Dr. Hollingshead made a motion to approve with modifications noted above, Dr. Hughes seconded, and all were in favor.

AMENDMENTS

06-70 (Wiltrout) Therapy of Mouse Tumors by Gene-Modified Mammalian Cells using Liposome-DNA Complexes, Naked DNA Expression Plasmids or Gene-Modified Viral Vectors

- This study uses the RCAS mouse system.
- The vector in use does not infect human or normal mice.
- The material is replication defective in mammalian cells.
- There needs to be a caveat stating that the two layers of safety is reduced to one layer because of the presence of an oncogene in the vector.
- PPE is to be defined and in which locations.
- Infection with avian cells into animals must be performed inside a BSC.

Dr. Hollingshead made a motion to approve with modifications, Dr. Crise seconded, and all were in favor.

06-57, 58, 59 (Biser) APA Breeding Colonies for Production Purposes (MMHCC Repository)

- The animals requested on these amendments will be transferred to the responsibility of another PI after January 1, 2008.
- The list of strains only is insufficient. Specific information is needed on how each Tg or KO strain was made.

- As new strains are added to this registration, the supplemental form will be used to provide the necessary information for each strain.

Dr. Hughes made a motion to defer approval, Dr. Crise seconded, and all were in favor. This request will remain deferred until a new submission is received by the assigned PI.

07-36 (McVicar) Maintenance and Production of Mutant Mouse Strains for the Study of the Role of Inflammation in the Pathogenesis and Therapy of Cancer

- This amendment was approved today off-line.
- Use this registration as a model for future similar registrations.
- Use unique strain codes to identify mice and their inherent information as this information is usually always consistent.

06-105 (Poiley-Nelson) Virus Testing in QC

- This study involves replication conditional adenovirus.
- What is the titer or level of the virus?
- The employee signatures are already on file for this registration. These are to be the only people in the lab working on or in the area where this work occurs.

Dr. Crise made a motion to approve pending responses to the above questions, Dr. Hughes seconded, and all approved. Dr. Creekmore abstained from the vote.

06-90 (Salcedo/Trinchieri) Role of Inflammation in Carcinogenesis

- This is a request to add two knock out strains of mice from Jackson Laboratories.
- The animals will be crossed in an effort to study the different IL-1 receptor mechanisms.

Dr. Hollingshead made a motion to approve, Dr. Crise seconded and all were in favor.

05-02 (Durum) Harvest of Normal Tissues

- This is a request to add seven strains of knock out mice.
- Only plasmid generation is involved and the use of Rag-1.
- There are no issues with this registration.

Dr. Hollingshead made a motion to approve, Mr. Winegar seconded, all were in favor.

OPEN ITEMS

-Ms. Bell reviewed the updated status on these items.

Dr. Hollingshead made a motion requesting that all ASP/IBC documents should specify where infectious animal work is being done. Specifically

the IBC is to submit a request to LASP to identify a list of buildings/room locations used for infectious materials, potentially infectious materials, and materials of human and animal origin if they have not been tested for the presence of pathogens. Dr. Hearn seconded and all were in favor. The IBC Secretary has this action item.

Dr. Morin made a motion to schedule a meeting with LASP in early 2008 regarding the registrations for rederived, cryopreserved, and MMHCC mice, and how to identify the information pertinent to each strain of mouse at the time of registration. The IBC inquired if questions should be added to the rederivation form completed on-line. A unique strain code should be associated with each animal strain for consistency with paperwork. Dr. Crise seconded and all were in favor. The IBC Secretary has this action item.

Other Business

There were no biological exposures to report at this meeting.

The BBP compliance rate has dropped to 90%

The ACUC/IBC subcommittee meetings will be considered for rescheduling and determining action items.

The meeting concluded at 1:27 p.m.

Theresa D. Bell, MPH, CBSP
IBC Secretary
Biological Safety Officer, EHS

Ms. Cara Leitch
IBC Coordinator
Sr. Safety Specialist, EHS

APPROVED:

Randall S. Morin, Dr. P.H.
Chairman, NCI-Frederick IBC
Director, EHS

Date

xc: Dr. Reynolds
Mr. Wheatley

Dr. Arthur
Mr. Bufter