

FREDERICK NATIONAL LABORATORY FOR CANCER RESEARCH (FNLCR)
INSTITUTIONAL BIOSAFETY COMMITTEE
MINUTES

MAY 15, 2012

CALL TO ORDER / ANNOUNCEMENTS

The FNLCR Institutional Biosafety Committee was convened at 12:04 p.m. in Building 549 Executive Board Room with the following members in attendance:

Voting (Quorum = 8)

- | | |
|---|--|
| <input checked="" type="checkbox"/> Michael Baseler | <input checked="" type="checkbox"/> Sarah Hooper |
| <input checked="" type="checkbox"/> Theresa Bell | <input type="checkbox"/> Serguei Kozlov (regrets) |
| <input checked="" type="checkbox"/> Rev. David Betzner | <input checked="" type="checkbox"/> Dan McVicar (Chair) |
| <input checked="" type="checkbox"/> Stephen Creekmore | <input checked="" type="checkbox"/> Randall Morin |
| <input checked="" type="checkbox"/> Bruce Crise | <input type="checkbox"/> Shalini Oberdoerffer (regrets) |
| <input checked="" type="checkbox"/> Eric Freed | <input checked="" type="checkbox"/> Raja Sriperumbudur (left at 12:50pm) |
| <input type="checkbox"/> Melinda Hollingshead (regrets) | <input checked="" type="checkbox"/> Lucien Winegar |
| <input checked="" type="checkbox"/> Stephen Hughes | |

Non-Voting

- Walter Hubert (arrived at 12:50pm)
- Kim DiGiandomenico

Other

Deborah M. Schuchardt, Nurse Practitioner Occupational Health Services

APPROVAL OF MINUTES FROM APRIL 18, 2012 MEETING

The minutes from the April 18, 2012 meeting were approved with modification to include follow-up comments for Dr. Ruscetti. A motion and second were made. (For: 11; Against: 0; Abstain: 0)

ACCIDENT REVIEWS

There was one accident to report which occurred with a non-human primate (NHP) worker on the Bethesda campus. The worker was following proper SOPs, but the NHP managed to scratch the worker's hand during the procedure. This was the first injury in three years to occur with this group of workers.

REVIEW OF PROTOCOLS

NEW REGISTRATIONS

Vanja Lazarevic 12-41: *Breeding and maintenance of mice* Breeding only protocol-Notification to committee

Damian Kovalovsky 12-42: *Maintenance and breeding of mouse colonies* Breeding only protocol-Notification to committee

Paul Roche 12-48: *Breeding and maintenance of mice* Breeding only protocol-Notification to committee

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RENEWALS

Sandra Ruscetti 12-31 (09-21): Studies to determine the molecular changes that occur in rodent cells infected with ecotropic retroviruses and the role of viral and cellular genes in causing biological effects associated with these retroviruses The objectives of the research to be conducted under this proposal are two-fold. The first objective is to determine molecular changes that occur in rodent cells infected with the ecotropic murine retroviruses Friend spleen focus-forming virus (SFFV), which causes erythroleukemia in mice, and PVC-211 MuLV, which causes a neurodegenerative disease in rats. The second objective of the research is to determine the importance of cellular and viral genes to the biological effects of these rodent retroviruses. During the pre-review all safety concerns were adequately addressed and no others arose with full committee review. Steve Creekmore motioned to approve the registry. Randall Morin seconded the motion. For: 11; Against: 0; Abstain: 0

Terry Yamaguchi 12-40 (06-68): The role of Wnts in Vertebrate Development and Cancer This group uses rDNA to overexpress genes, or generate mutations in genes, in murine embryonic stem cells (ESC). These cells will then be used in the laboratory to perform experiments in vitro that model developmental events in the animal, and occasionally will be used to generate mice. The lab also utilizes human cell lines for other in vitro work. Lead reviewers had no major safety concerns with this renewal; however, the PI had not responded to the pre-review questions as of the IBC meeting date. Steve Hughes moved to conditionally approve the registry pending responses to pre-review questions and with final approval to be released by the IBC Administrator. Bruce Crise seconded the motion. For: 11; Against: 0; Abstain: 0

Susan Mackem 12-43 (09-15): Analysis of mice with genetically altered developmental regulators controlling morphogenesis Breeding only protocol-Notification to committee

OUTSTANDING ITEMS

- Trinchieri/Noer – IBC 11-66 (formerly 10-60) Flow cytometry core lab: (Final versions of IBC paperwork received on 03/22/12.) Theresa Bell visited lab to determine suitability with the proposed NIH cell sorting policy. Dan McVicar notified the government regarding the issues. As of the meeting, an operational SOP of the current space had not been received. Dan McVicar motioned for a second memo be sent to the lab manager and PI stating that an operational SOP must be provided to the IBC within two weeks of receipt of the memo so that the committee could ensure current practices were keeping staff and users safe. Theresa Bell seconded the motion. For: 11; Against: 0; Abstain: 0
- Brad St. Croix 12-29 (09-11): Generation of DNA vectors for functional analysis of various endothelial markers This registry was originally deferred at the April meeting for additional information. PI provided revisions as requested by the committee which were also approved by lead reviewers. Steve Hughes motioned to approve the registry as revised. Theresa Bell seconded the motion. For: 11; Against: 0; Abstain: 0
- Jairaj Acharya 12-06 (06-03 and 06-16): Transport studies in mouse embryonic fibroblasts (MEFs) using Vesicular Stomatitis Virus G Protein A and Functional Analysis of Enzymes of Sphingolipid Metabolism Deferred at February meeting (back to full committee). In mid-April, the PI provided a revised registry with itemized responses to the lead review questions;

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however, the committee still had significant safety concerns due to the responses received. Dan McVicar motioned for Dr. Craig Reynolds to be notified via the IBC chairman of the committee's concerns with a copy of the memo going to the PI's immediate supervisor and PI and that no viral research will continue until the IBC is comfortable that the safety issues have been resolved. Theresa Bell seconded the motion. For: 10; Against: 0; Abstain: 0

- Ding Jin 12-17 (09-25): Transcription Regulation in E. coli (K12) and H. pylori Deferred back to committee at March meeting with delay of *in vivo* research. Memo was sent to PI and Dr. Ji Ming Wang on April 2, 2012. As of the IBC meeting, no revised paperwork or new registrations for the *in vivo* work were received. Steve Hughes motioned that the IBC chairman notify the PI's immediate supervisor of the lack of response to the IBC's initial memo. Lucien Winegar seconded the motion. For: 10; Against: 0; Abstain: 0
- Scott Durum 12-23 (09-06): Effects of cytokine-expressing bacteria on the development, progression and treatment of inflammatory bowel disease and colon cancer (L. lactis) The PI had been notified via email three times that the pre-review questions needed responded to. After the April IBC meeting, the IBC chairman also spoke with the PI personally regarding the lack of response. As of the IBC meeting, no revised paperwork had been received. Bruce Crise motioned that the IBC chairman notify the PI's immediate supervisor of the lack of response to the IBC's initial memo and copy the PI. Theresa Bell seconded the motion. For: 10; Against: 0; Abstain: 0
- Ji Ming Wang 12-30: Use of normal human blood cells for studies of inflammation and cancer in vitro Deferred to full committee at March meeting. PI revised registry and SOP; however the committee did not want to release approval until it was more clear how / if this registry was affiliated with other laboratory research as well as until the PI provided a new registry for the *H. pylori* animal work. As of the IBC meeting, no new paperwork had been received.

AMENDMENTS

Nine amendments were processed and approved between the April and May IBC meetings.

OTHER BUSINESS

- Pathogen challenge room – Building 571:310
Concerns with Room 310 in Building 571 were communicated in writing to the LASP director shortly after the April IBC meeting. While the LASP director responded within the specified timeframe, the committee felt the SOP provided was not an operational SOP for that specific room. The committee also strongly recommended that a card key be installed for the room, rather than a metallic key as suggested. Dan McVicar motioned to provide additional guidance to the LASP director regarding the need for an operational SOP for the room until proposed revisions to the space could be implemented as well as the recommendation for the card key. A response would be requested 2 weeks from receipt of the new memo. Steve Creekmore seconded the motion. For: 11; Against: 0; Abstain: 0
- IBC Membership - Dr. Bhargavi Kondragunta –VPP technology development group – Dan McVicar would be meeting with Dr. Kondragunta on May 16, 2012 to discuss joining the committee.
- PI Dashboard / IBC web-registration update – tabled until June
- Human cell lines and animal biosafety level determinations (BMBL Matrix)-Notification to committee that the BMBL Matrix has been posted to the IBC website and made available to LASP

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facility managers. The committee further discussed the recommended housing criteria and asked for a revision to be made to the adenoviral vectors housing criteria (item 7 on the matrix). The committee unanimously agreed that the housing criteria should be microisolator technique for one week and then no special requirements after that.

ADJOURNMENT

The meeting was adjourned at 1:45 pm.

Next meetings:

June 19, 2012

July 17, 2012