

MINUTES OF THE INSTITUTIONAL BIOSAFETY COMMITTEE MEETING

June 16, 2014

1:00 PM, 410 Plant Biotechnology Building

MEMBERS PRESENT: Jun Lin, Chair; Seung Baek, David Bemis, Tamara Chavez-Lindell, Doris D'Souza, Elizabeth Fozo, Al Iannacone, Deidra Mountain, Bonnie Ownley, Jae Park, Ling Zhao

Ex-Officio –Brian Ranger, Jonathan Phipps, Mark Smith

MEMBERS ABSENT: Patti Coan, Vice Chair; Paul Dalhaimer, Melissa Kennedy, Reggie Millwood

OTHERS PRESENT: Jessica Woofter

Opening:

Brian Ranger started off the meeting at 1:00 PM with the member training on member roles and responsibilities; Biosafety Program; and NIH Guidelines.

The meeting was called to order by the Chair, Jun Lin at 3:03 PM.

Minutes of June 18, 2014 were reviewed and approved.

IBC Applications:

#240-14 (Albrecht von Arnim) Recombinant DNA, III-E-2-a, 3-year rewrite

Dr. von Arnim is using transgenic *Arabidopsis thaliana* to study the mode of action of plant genes involved in light signal transduction, development, protein translation, and regulation. His work involves the use of standard cloning hosts (*E. coli* and nonpathogenic yeasts) and *Agrobacterium*-mediated DNA transfer. The committee approved the registration pending the update of training information. Containment was set at BSL-1.

#331-14 (Brad Binder) Recombinant DNA, III-E-2-a, 3-year rewrite

Dr. Binder's research examines ethylene regulation and signaling in plants. Specifically, he will be elucidating the molecular basis for ethylene responses and regulation of growth and development in *Arabidopsis thaliana*. Dr. Binder's work involves the use of standard cloning hosts (*E. coli* and *S. cerevisiae*) and *Agrobacterium*-mediated DNA transfer. The committee approved the registration pending correction of minor typographical errors. Containment was set at BSL-1.

#375 (Tessa Burch-Smith) Recombinant DNA, III-E-2-a, amendment

Dr. Tessa Burch Smith's research examines plasmodesmata in plant cells. The study involves *Agrobacterium*-mediated transformation of plant cells with chloroplast genes involved in plasmodesmata formation/function. The amendment requests the addition of tobacco mosaic virus (TMV) expressing green fluorescent protein to investigate the viral infection effects to chloroplast functions within plant cells. The committee approved the registration pending clarification on bleach contact time and BSL-2 training. Containment was established at BSL-2 per USDA APHIS BRS provisions.

Old Business:

Administrative Report

Brian Ranger provided the committee with the administrative report. Following up on the June 18, 2014 IBC meeting, Dr. Hwa-Chain Wang's registration (#115-14) was corrected administratively to include minor corrections to the spill response. Dr. Cong Trinh's registration (#364-14) was corrected administratively to add a statement clarifying that the procedures may be done at BSL-1, but the lab is BSL-2 capable. Dr. Jiangang Chen's registration (#422) was corrected by the PI to include a clarification of safety/containment precautions for bench top procedures conducted in Hesler Biology Bldg.. Dr. Stacy Stephenson's registration (#423) was corrected by the PI to include a clarification of ccdB bacterial strains; addition IACUC #2125 reference (Dr. Deidra Mountain); and clarification of vendor/source of HEK 293FT cells.

Dr. Liz Fozo's amendment to registration #352-13 to include *Enterococcus faecium*, *Staphylococcus aureus*, and *Streptococcus pneumonia* was approved administratively. Dr. Tessa Calhoun's amendment to registration #415 was administratively approved to include the *Bacillus subtilis*, *Staphylococcus aureus*, and *Pantoea* YR343. There was no change in containment level for either administratively-approved amendment.

Dr. Cong Trinh's registration #383 and Dr. David Brian's registration #303-13 have been administratively terminated. Dr. Trinh's materials/procedures listed in #383 were incorporated into his #364-14 approved registration. Dr. Brian's research materials will remain in secure storage until final destruction or transfer.

Biosafety Policy –UTIA/GSM Review Status

Brian Ranger gave the committee a brief update to the status of the Biosafety Policy changes. The changes have been distributed to the Graduate School of Medicine (GSM), College of Veterinary Medicine (CVM), Agricultural Research, the College of Agricultural Sciences and Natural Resources (CASNR) for comments. Several of the colleges voiced concerns regarding the policy mandates for teaching laboratories.

Lab Coat Laundering Guidance

Brian notified the committee that the Lab Coat Laundering Guidance diagram has been posted to the Biosafety website under the tab "Resources" and has already been utilized by several departments.

IBC Member Profiles for Website

Brian will be sending out a reminder to the committee to have them complete a brief synopsis of their expertise and credentials to post to their profiles on the website.

Reporting Noncompliance Follow-up

Brian reported that the noncompliance issue on an annual update from the Plant Sciences department has been resolved. The faculty member was out of town and recently returned the updated form.

New Business:

IBC Form with Nanomaterials Section

Brian notified the committee that the IBC registration form has been updated to include a section on the registration of nanoparticles conjugated to bioactive molecules.

Written Plan for Teaching Labs

Brian presented information to the committee regarding responses from the colleges about adding teaching labs to the IBC purview. The committee voiced several concerns and were encouraged to document a counter-proposal for what the teaching policy should encompass. The committee asked that Dr. Robert Nobles attend the next meeting so that the committee could voice their concerns. The committee also suggested limiting purview over teaching labs to handing out a checklist of items to be completed at the beginning of the semester, training the Teaching Assistants, and creating a self-reporting mechanism for biohazardous materials.

Registration Review Mechanisms-Proposed Workflow

Brian presented the committee with a workflow diagram of designated and full committee review processes for them to review.

Full vs. Designated Member vs. Administrative Reviews

Brian asked the committee to consider what registration types or items should be assigned to designated member review, full member review, or administrative review.

Division of Biology Training

Brian announced to the committee that the Division of Biology Training has been scheduled for Tuesday, August 19, 2014.

The meeting was adjourned at 4:34 PM.

The next meeting has tentatively been scheduled for August 20, 2014 at 3 PM.