INSTITUTIONAL BIOSAFETY COMMITTEE MEETING
February 1, 2023
Zoom Meeting

MEMBERS PRESENT: *Chair:* Elizabeth Fozo, *Vice Chair:* Deidra Mountain, Marc Caldwell, Feng Chen, Lori Cole, Paul Dalhaimer, Doris D'Souza, George Dizikes, Reza Hajimorad, Brittany Isabell, Joseph Jackson, Jessica Vélez

                                   Ex-Officio: Bryan Cranmore, Carolina Dolislager, Linda Hamilton, Sandra Prior, Brian Ranger, Daniel Thomas, Jessica Woofter

MEMBERS ABSENT: Lezlee Dice, Jun Lin, Jae Park, Ling Zhao

OTHERS PRESENT:

Opening:

The IBC Vice Chair called the meeting to order at 10:03 AM. The minutes for January 9, 2023, IBC Meeting were reviewed and approved as written with one abstention.

Full Member Review IBC Registrations:

#IBC-11-177-1 (Andreas Nebenfuehr) Recombinant DNA Registration, III-E (E-2-a), 3-year rewrite
Dr. Nebenfuehr's research covers the functional characterization of myosin motor proteins in plants. His studies involve the cloning and manipulating of myosin coding sequences from *Arabidopsis thaliana* using standard molecular biology protocols. Many recombinant genes will be transformed into plants (transiently or permanently) to test for their effect on plant cell behavior and/or localization of the encoded protein. In addition, fluorescent markers based on green-fluorescent protein and its derivatives will be employed for various subcellular organelles. The containment level is set to BSL-1. The committee voted to approve the registration as written with one abstention.

Old Business:

Administrative Report

i. Contingencies
Following up on January 9, 2023, IBC Meeting, Dr. Dalhaimer's registration (#22-585-2) was approved for administrative corrections that included corrections of the nontechnical summary to include a shortened summary and correction of typographical errors; the addition of HepG2 cell lines to the Human Derived Materials Section; rephrasing "No DNA or RNA will be introduced into animals" to read "No DNA will be introduced into animals"; the removal of the word "cull" before mice referenced in the Technical Summary; an update of the biosafety cabinet certification date; an update of the biohazardous spill response to include the specific disinfectant and contact time; and the completion of the Biohazardous Waste section. Dr. Amit Joshi's amendment to their registration (#21-567-2) was approved via DMR to include the addition of all personnel working in the lab, clarification of why the shotgun method to knock out genes is being used instead of a targeted approach, the removal of "Not applicable" from Question 5.1; clarification if the PI will have multiple lentiviral propagations going simultaneously; clarification of how many of the genes listed are potentially oncogenes and rationale for

why the shotgun method is the only way to address potential issues; and clarification if incubators and biosafety cabinets used to generate lentivirus dedicated to the lab.

ii. *Administrative Approvals*
   None.

iii. *Administrative Terminations*

   None.

iv. *Administrative Exemptions:*
   None.

v. *Accidents, Injuries/Exposures:*
   None.

vi. *Laboratory Report:*
   None.

vii. *iMedRIS Update, Manual Reviews, & System Orientation:*
   None.

IBC Registration Form (Section 6)
The committee reviewed the proposed draft section 1 through 5 for the IBC registration form. The committee also further discussed proposed changes to section 6 of the form. Changes included reworking the hosts table and subsequent questions that would better address safety concerns regarding the use of recombinant DNA materials.

IBC Draft Charter and Bylaws
The IBC Vice Chair briefly discussed changes in the IBC Charter Bylaws regarding Stakeholder Roles & Responsibilities. According to NIH and UT system policy, having the Biological Safety Officer as the Designated Official is acceptable. The committee was notified that Sarah Pruett would leave the university for a system position.

New Business:

The meeting adjourned at 11:30 AM. The next meeting scheduled is for March 1, 2023, via Zoom.