

**INSTITUTIONAL BIOSAFETY COMMITTEE MEETING**  
**October 30, 2019**  
**3 PM, Plant Biotechnology Bldg., Room 156/157**

MEMBERS PRESENT: IBC Chair, David White; Vice Chair, Elizabeth Fozo; Lori Cole, George Dizikes, Doris D'Souza, Reza Hajimorad, Brittany Isabell, Jun Lin, Deidra Mountain, Ling Zhao

Ex-Officio – Linda Hamilton, Ahmad Mitoubssi, Scott Moser, Brian Ranger, Jessica Woofter

MEMBERS ABSENT: Marc Caldwell, Paul Dalhaimer, Melissa Kennedy, Reggie Millwood, Jae Park

OTHERS PRESENT:

**Opening:**

The IBC Chair called the meeting to order at 3:10 PM. The minutes of September 18, 2019, were reviewed and approved.

**Full Member Review IBC Registrations:**

**#IBC-13-409-2 (Franc Barrera Olivares) Recombinant DNA Registration, III-E, 3-year rewrite**

Dr. Barrera's research covers the application of biophysical techniques to biological systems of biomedical relevance. Specifically, the research focuses on the maturation and self-assembly of the HIV capsid protein. The gene for the HIV capsid protein (obtained from the NIH AIDS Reagent Program) will be cloned into an IPTG-inducible pET vector and expressed in routine E. coli strains (DH5 $\alpha$ ). Protein will be purified using standard biochemical techniques and applied to synthetic lipid systems to study the self-assembly processes. Dr. Barrera also registered the use of human cells (HeLa cervical adenocarcinoma) to be used for studying the membrane insertion mechanisms of synthetic peptides designed to target tumor cells. The containment level was established at BSL-1 for the recombinant DNA procedures. The culture and manipulation of human cells will be conducted at BSL-2. The committee approved the registration pending the a statement to the Nontechnical Summary clarifying purpose and scope of the project; correct the Technical Summary to include information regarding the study of peptide targeting to the tumor; the addition of the culture room location and biosafety level; and checking safety glasses or goggles for Question 9.4.

**Designated Member Review IBC Registrations:** None

**Old Business:**

Administrative Report

- i. *Contingencies*  
Following up on the September 18, 2019 IBC Meeting, Dr. Abhijeet Borole's registration (#10-350-1) was corrected for minor typographical errors and the addition of documentation describing the small-scale bioreactor and relative data. This registration is pending departmental approval. Dr. Maitreyi Das' registration (#13-421-1) was administratively updated to include the biosafety cabinet certification date and the addition of Dr. Alexandre as the departmental approver. Dr. Thomas Denes' registration (#16-444-2) was update to include the source for *Manheimia haemolytica*, *Pasteurella multocida*, and *Haemophilus somnus*; the addition of an explanation about safety procedures regarding waste water collection and handling; the correction of minor typographical errors; an update to the biosafety cabinet certification date; and an update of the biological spill response. Dr. Erik Zinser's registration (#19-538-1) was updated to include a clarification that additional personnel will be added in the future but are not needed at this time.
- ii. *Administrative Approvals*  
Dr. Bhavya Sharma's registration (#16-440-2) was administratively approved by the Biosafety Officer for the use of human brain tissue. Dr. Lee Jantz's registration (#16-446-2) was administratively approved by the Biosafety Officer for the use of human remains and primary human tissues at the Forensic Anthropology Center.
- iii. *Administrative Terminations*  
None.
- iv. *Administrative Exemptions:*  
None.
- v. *Accidents, Injuries/Exposures:*  
None.
- vi. *Laboratory Report (Hamilton)*  
None.
- vii. *iMedRIS Update, Manual Reviews, & System Orientation (Woofter)*  
None

## **New Business:**

### **Reorganization Update**

Brian gave the committee an update regarding the reorganization of the Biosafety Office and reassured the committee that his unit would continue to provide support to all campuses. Linda Hamilton and Scott Moser are the new supervisors under the Laboratory Safety unit and will be cross trained for biological and chemical hazards. Pam Koontz and Ahmad Mitoubsi will be reporting to Linda and Scott, and performing inspections as well.

### **Onsite Systems**

Jessica Woofter and James Cantu with EHS are researching alternative software packages, in an effort to reduce Principal Investigator's burden, single sign on systems to handle compliance and safety requirement. Jessica gave the committee a brief overview of Onsite Systems' software package. She has scheduled for James Cantu and Marsha Smith to speak about the company and the software at the next IBC meeting.

The meeting was adjourned at 4:28 PM. The next meeting scheduled for December 18, 2019 from 3-5 pm in Plant Biotechnology Room 410. A zoom link will also be sent out to committee members.