

Minutes of the BNL Institutional Biosafety Committee (IBC) April 24, 2025

Present: A. Adams, N. Bernholz, L. Bowerman, A. Engel, P. Freimuth, C.J. Liu, G. Martin, S. McSweeney (non-voting), J. Searing

IBC Administrator: B. Lettieri (non-voting)

BHSO: R. Siebelts

The meeting was held in person in the Bldg. 490 large conference room and via Zoom, and was called to order at 1:30 pm by P. Freimuth, Chair, with eight voting members present.

New Business

rDNA-BI-Xie “Quantitative Plant Science Focus Area (QPSI SFA).” PI: Xie. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/24/25.

rDNA-OEP-Uzzi1.3 “Bacterial Transformation (DH-5 Alpha, MM294 or HB101) with pGFP-UV (Clontech) Student Lesson.” PI: Uzzi. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/24/25.

rDNA-BI-Freimuth1.3 “Recombinant expression of plant secretory and membrane proteins and Nanotherapeutics for COVID-19.” PI: Freimuth. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/24/25.

rDNA-BI-CJLiu1.3 “Biochemistry of Lignocellulolics Formation.” PI: C.J. Liu. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/24/25.

rDNA-BI-LiuQ1.1 “Cloning and Expression of Membrane Proteins.” PI: Q. Liu. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/24/25.

rDCA-BI-Schwender1.3 “Plant Cell Genetics.” PI: J. Schwender. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/274/25.

rDNA-BI-Shanklin1.3 “Fatty Acid Modification.” PI: J. Shanklin. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/24/25.

rDNA-BI-Xu1.1 “Regulation of Oil Biosynthesis.” PI: C. Xu. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/24/25.

rDNA-BI-Liu1.4 “New Enduring Plant-Pathogen Interaction Program” PI: Q. Liu. New. The IBC voted 9 yes, 0 no to approve for one year effective 04/24/25.

rDNA-BI-Zidovska “Investigating Physical Principles Underlying Nanoscale Dynamics of the Human Genome.” PI: Zidovska. New. The IBC voted 9 yes, 0 no to approve for one year effective 04/24/25.

rDNA-BI-QLiu2 “Cryo-EM structure study of Parainfluenza virus.” PI: Q. Liu. New. The IBC voted 9 yes, 0 no to approve for one year effective 04/24/25.

rDNA-BI-Rodriguez "Single particle cryoEM imaging of mammarenavirus glycoproteins."

PI: Rodriguez. New. The IBC voted 9 yes, 0 no to approve for one year effective 04/24/25.

rDNA-BI-Xie2 "Studying the interaction between poplar and Septoria musiva." PI: Xie. New. The IBC voted 9 yes, 0 no to approve for one year effective 04/24/25.

rDNA-BI-Zavaliev "Plant immunity research initiative (PIRI)." PI: Zavaliev. New. The IBC voted 9 yes, 0 no to approve for one year effective 04/24/25.

rDNA-BI-Thieme "Spatial distribution and chemical speciation of toxic metal particulates in human lung tissue."

PI: Thieme. New. The IBC voted 9 yes, 0 no to approve for one year effective 04/24/25.

rDNA-BI-Xiong "Structural studies of HIV-1 virus-like particles." PI: Xiong. New. The IBC voted 9 yes, 0 no to approve for one year effective 04/24/25.

EA-BI-BRaVE-QLiu "Studying Sorghum C. Sublineola Interactions." PI: Q. Liu. The IBC voted 9 yes, 0 no to approve the renewal for one year effective 04/24/25.

Education

Ava Adams, Presentation - Awareness on the USG Policy for Dual Use of Research of Concern.

Sean McSweeney, Presentation – BSL2-level Safety Precautions.

There being no further business, the meeting was adjourned at 2:45 pm.

Respectfully submitted,

Beth Lettieri

cc: A. Emrick