IBC Meeting Minutes
6/19/2025
3:00pm TEAMS

Member Attendees: Gary Carlin, Manju Kulkarni, Yun Li, Gloria Sivko, Kelly West, John Keeny, Jacqueline Grible, Andrea McCue, Craig Bartling, Fred Harrison, Amber Singh, Charles DeSanti, David Glasbrenner, Ray Henson, Caitlyn Heil.

Guest Attendees: Mark Hahn, Adam Ronk

I. Application Reviews

Application FY25-28
Study title: PCR detection of a beacon DNA molecule

PI: Adam Ronk

- **PI and laboratory staff performing the research have been appropriately trained in the safe conduct of the research:** Yes
- **Applicable section of the NIH Guidelines:** Section-III-E
- **BSL-1**
- **Agent characteristics:** non-pathogenic, laboratory *E. coli*
- **Types of manipulations planned:** transformation of expression plasmid into *E. coli*
- **Source(s) of the nucleic sequences (e.g., species):** Tomato yellow leaf curl Sardinia virus
- **Nature of the nucleic acid sequences (e.g., structural gene, oncogene):** Defective fragment of viral genome that only contains a single complete gene C4.
- **Host(s) and vector(s) to be used:** *E. coli* K12 and an expression plasmid.
- **Transgene expression:** No
- **Protein function:** A key factor induces changes in gene expression, particularly those related to water transport, stress defense, and hormone regulation.

- **Move to approve:** Charles DeSanti
  Second: Ray Henson
  Outcome: All in favor

II. **Application** FY23-12-A1
Study title: Development of RSV reporter strains
PI: Mark Hahn and Adam Ronk

- **PI and laboratory staff performing the research have been appropriately trained in the safe conduct of the research:** Yes
- **Applicable section of the NIH Guidelines:** Section-III-D-2, Section III-D-4 or Section III-E-3
- **BSL-2**
- **Agent characteristics:** a pathogenic virus
- **Types of manipulations planned:** challenge of cotton rats with a reporter strain of RSV and detection of plasmid distribution based on the reporters in different tissues.
- **Source(s) of the nucleic sequences (e.g., species):** recombinant Respiratory Syncytial Virus
- **Nature of the nucleic acid sequences (e.g., structural gene, oncogene):** RSV viral genome and reporter gene that are co-expressed.
- **Host(s) and vector(s) to be used:** cotton rat
- **Transgene expression:** Yes
- **Protein function:** Enzymes for RSV replication/infection and fluorescent/ luminescent reporter.

Move to approve: Charles DeSanti
Second: Manju Kulkarni
Outcome: All agreed that it is deemed appropriate to use Laboratory BSL2 for this work and all in favor with addition of hazard analysis for safety review.

III. **Old Business**
None

IV. **New Business**
None

Meeting adjourned at 3:17 pm

Rachel Spurbeck, IBC Chair or

Yun Li, IBC Co-Chair

7/10/25
Date