

## IBC Meeting Minutes

4/9/2026

3:00pm TEAMS

**Member Attendees:** Yun Li, Rachel Spurbeck, Caitlyn Heil, Gary Carlin, Jackie Grible, Kelly West, Craig Bartling, Gloria Sivko, Carrie Howland, Ray Henson, Manju Kulkarni, Fred Harrison

**Guest Attendees:** Thomas Mallot

### I. Application Reviews

**Application:** FY26-14

**Study title:** Systems Integrating Innovative Solutions To Enable Rapid (SInISTER) Detection

**PI:** Brad Heater

- **PI and laboratory staff performing the research have been appropriately trained in the safe conduct of the research:** Y
- **Applicable section of the NIH Guidelines:** Section- III-D-6
- **BSL-# 2**
- **Agent characteristics:** engineered enzymes and molecular switches to serve as sensors.
- **Types of manipulations planned:** recombination and expression
- **Source(s) of the nucleic sequences (e.g., species):** *Achromobacter xylosoxidans*, *Aequorea victoria*, *Aquella oligotrophica*, *Arabidopsis thaliana*, *Aspergillus fumigatus Af293*, *Aspergillus niger*, *Aspergillus oryzae*, *Aspergillus oxidase*, *avian reovirus S1133*, *Bacillus licheniformis*, *Bacillus mojavenensis*, *Bacillus pumilus*, *Bacillus subtilis*, *Bacillus vallismortis*, *bacteriophage T4*, *basidiomycete PM1*, *Bordetella bronchiseptica*, *Branchiostoma lanceolatum*, *Calypte anna*, *Camelus dromedarius*, *Chromohalobacter sp. 560*, *Citrobacter freundii*, *Clostridium botulinum*, *Cobetia amphilecti*, *Corioloopsis gallica*, *Corioloopsis trogii*, *Cyprinodon variegatus*, *Cytaeis uchidae*, *Danio rerio*, *Deinococcus peraridilitoris DSM 19664*, *Discosoma sp*, *Entacmaea quadricolor*, *Enterobacter hormaechei*, *Escherichia coli*, *Euprostenops australi*, *Gadus morhua*, *Gallus gallus*, *Gasterosteus aculeatus aculeatus*, *Geothermobacter hydrogeniphilus*, *Halalkalibacter wakoensis*, *Halorhodospira halophila*, *Hepatitis C Viruses*, *Herpes Simplex Virus*, *Human*, *Human rhinovirus*, *Lama glama*, *Methylothera sp.*, *Montipora monasteriata*, *Mus musculus*, *Nostoc punctiforme*, *Oncorhynchus mykiss*, *Oplophorus gracilirostris*, *Paenibacillus glucanolyticus*, *Pan paniscus*, *Pelobates fuscus*, *Phytophthora capsica*, *Pongo pygmaeus*, *Pseudonaja textilis*, *Psychrobacter sp.*, *Pyrococcus abyssi*, *Pyrococcus furiosus*, *Saccharomyces cerevisiae*, *Schistosoma japonicum*, *Serratia fonticola AU-AP2C*, *Shewanella sp.T3-3*, *soybean*, *Stenotrophomonas maltophilia*, *Streptomyces clavuligerus*, *Synthetic*, *Taeniopygia guttata*, *Thermotoga maritima*, *Thermus sp.*, *Thermus thermophilus*, *Thioalkalivibrio*, *Tobacco Etch Virus*, *Tobacco vein mottling virus*, *Trametes cinnabarina*, *Trametes polyzona*, *Trametes pubescens*, *Trametes sp.*, *Trametes versicolor*, *uncultured bacterium*, *Verrillifungia concinna*, *Vibrio splendidus*, *Vicugna pacos*, *Vreelandella arctica*, and *Zootoca vivipara*.

- **Nature of the nucleic acid sequences (e.g., structural gene, oncogene):**  
structural gene

- **Host(s) and vector(s) to be used:**

*Escherichia coli* K-12, *Pichia pastoris*, and *Saccharomyces cerevisiae*

- **Transgene expression:** yes

**Protein function:** luminescence, color change, or light production in response to a signal

**Motion to approve with modification to include the SOP for 10L**

**containment:** Caitlyn Heil

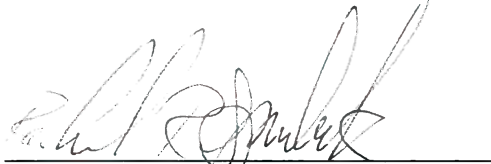
**2<sup>nd</sup>:** Manju K Kulkarni

**II. Old Business:**

- N/A

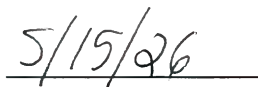
**III. New Business (review of incidents, inspections/oversight, IBC training, or additional topics):**

- IBC applications that were determined to be exempt and therefore administratively approved:
  - FY26-12: Exempt research category section III-F-8
  - FY26-13: Exempt research category section III-F-8
  - FY25-12-A4: no change to research categories; updated sequence of miRNA target site.
- Discussion of charter updates- reviewed charter update and voted to adopt new charter
  - All in favor
- New Co-Chair nominations
  - Caitlyn Heil-committee voted and accepted her as co-chair (CH abstained from voting)
  - Carrie Howland-declined nomination
- Meeting minutes from the last meeting on 3/12/2026
  - Move to approve Fred Harrison
    - All in favor
- Meeting adjourned at 4:02 pm,



Rachel Spurbeck, IBC Chair or

Yun Li, IBC Co-Chair



Date

**Redaction Disclaimer:** Information redacted includes trade secret information, other confidential commercial information, and specific information whose disclosure would directly compromise institutional or national security.

