MARINE BIOLOGICAL LABORATORY

Institutional Biosafety Committee
T 508.289.7496
Biosafety@mbl.edu

MBL IBC Committee Summer 2025 Meeting

Date: 8/5/2025

Time: 10:00 AM

Location: MBL Campus Lillie 100a, Zoom

Present: David Mark Welch (C), Eric Jensen, Rudolf Oldenbourg, Mark Hahn, Jenifer Alai, Alan Kuzirian, Erin Pyszka

Absent: Zoe Cardon

Opening Remarks

DMW: MBL IBC asks all investigators working with rDNA to complete an IBC application to determine exemption status. Any applications involving transgenics, germline propagation etc. are presented for committee review and voting. Today we have one application involving transgenics and non-native species to review.

Application Review

2025_MBL-IBC-39: *Establishing functional tools in a nudibranch mollusk to investigate phagocytosis evolution, Jessica Goodheart*

- Visiting Scientist extension of work with nudibranch *Berghia stephanieae* transgenics
- Propagation of exogenous DNA through the germ line of a multicellular eukaryote (i.e. creation of a transgenic organism), or other alteration of a germ line.
- Using VitelloTag construct injection into hemolymph. Target genes include insertion of GFP and knockouts including Pax6 and C-type lectin receptor.
- Appropriate containment and disposal of transgenic non-native species characterized.
- MBL BSL-2 training will be completed upon arrival. NIH Designation IIID-4.
- All approve