

**IBC Meeting Minutes
September 2nd, 2025**

Topic	Notes
Institution	Michigan Technological University
Meeting Date	September 2nd, 2025
Meeting Time	4:11pm - 4:48pm
Meeting Type	Virtual (Zoom)
IBC Members Present	Jari Sague, Kaitlyn Studinger, Ashutosh Tiwari, Michael LaBeau, David Dixon
Quorum	Quorum was met
Other Individuals in Attendance	Brent Burns
Call to Order	Meeting was called to order at 4:11pm
Conflicts of Interest	No conflicts of interest noted.
Review and approval of previous meeting minutes	Minutes were approved unanimously, 5 votes yes, 0 votes no/abstain
Review of Prior Business	No prior business to address at this meeting
New IBC Registrations and Amendments for Review (repeat for each registration)	
PI Name(s)	Xiaohu Tang

Registration Number/Title	IBC-00000005 - Targeting Metabolic Vulnerabilities in LKB1-Mutant Cancers via PDE3 Modulation Mechanisms
Project Overview	<p>Agent - Lentivirus (Attenuated), BSL-2, Risk Group 2</p> <ul style="list-style-type: none"> - It is replication-incompetent when packaging with engineered plasmids. - The experiments are designed to knock down, knock out, or to express genes in cultured cells. Various metabolic-related and cell death-related genes will be manipulated. As these are novel mechanistic studies, the functions of the targeted genes and the resulting phenotypes are largely unknown and will be determined through the course of the research. <p>Cell lines are human cell lines derived from Lung Cancer and HeLa cells</p> <p>The goal of this research is to uncover a novel role for LKB1 in cyclic nucleotide metabolism by studying LKB1 and its mutants, wherein it suppresses a set of phosphodiesterase (PDE) expressions.</p>
NIH Guidelines Section	III-D1 - Use of Risk Group 2, 3, 4 or restricted agents as host-vector system. Examples include: Adenovirus, Herpes virus, Lentivirus, Amphotrophic or VSVg pseudotyped Murine Retrovirus, Human Retrovirus, Vaccinia virus, Vesicular Stomatitis virus, and Adeno Associated virus with helper virus.
Risk Assessment and Discussion	The PI has stated that they will use BSL-2 practices as outlined by the BMBL, utilize engineering controls to mitigate aerosol generation, follow procedures listed in the University Biosafety Manual, and don proper PPE.
Training	Listed in protocol - "Ensure that all lab personnel successfully complete the online training including university general safety and biosafety training, and specific lab requirements, and ensure the training is documented before conducting any lab work."
Occupational Health Representative review (if applicable):	N/A
Biosafety Level Assignment	BSL-2

IBC Vote	<p>The committee voted that the protocol needed a couple of minor revisions, and that, once those revisions were made, that the Administrator and BSO could review those for accuracy, and approve the protocol with those revisions.</p> <p>Votes were 5-0 in favor of this approach</p>
New Business/ Biosafety Program Report	<p>It was mentioned that Alex Geborkoff has left the committee.</p>
Review of Incidents	<p>No incidents have taken place since our last meeting</p>
Inspections/ Ongoing Oversight	<p>No IBC inspections have taken place since our last meeting</p>
IBC Training	<p>No formal training has taken place since our last meeting. The committee did receive the powerpoint that was presented at our last meeting.</p>
Approved Protocols	<p>See table below</p>
Public Comments	<p>No public comments</p>
Adjournment	<p>Meeting adjourned at 4:48pm</p>

PI	Protocol	Version	Title	Approve Date	Review Date	Expiration Date	Type of Approval
Bi, Lanrong	IBC-00000029	3	Mitochondrial-targeting Exosomes for Neuroinflammation	5/17/2024	5/17/2026	5/17/2027	Continuing Review - Admin and BSO
Gencoglu, Aytug	IBC-00000050	1	Cellular Motion Lab Biosafety Manual	7/17/2025	7/17/2026	7/17/2028	New Protocol - DMR
Keenum, Ishi	IBC-00000025	4	Procedure for culturing, handling, and disposal of level II pathogens in Dow labs	5/24/2024	5/24/2026	5/24/2027	Continuing Review - Admin and BSO
PI	Protocol	Version	Title	Approve Date	Review Date	Expiration Date	Type of Approval
Shan, Zhiying	IBC-00000028	2	1532683-2] The role of brain orexin system on anxiety and depression	7/10/2024	7/10/2026	7/10/2027	Continuing Review - Admin and BSO
Tanasova, Marina	IBC-00000052	1	Safety protocol: Chem. Sci. Bld. Room S012. Bio-Imaging Facility, Cell Culture Room	7/28/2025	7/28/2026	7/28/2028	New Protocol - DMR
Tang, Xiaoqing	IBC-00000020	4	[437516-1] Biosafety: Role of microRNA in pancreatic beta cells	7/15/2024	7/15/2026	7/15/2027	Continuing Review - Admin and BSO
Yu, Chunxiu	IBC-00000002	4	[1284566-1] Functional dissection of neural circuits in therapeutic deep brain stimulation	7/10/2024	7/10/2026	7/10/2027	Amendment - Approved Administratively (changing room location)