



Minutes

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Members Present¹

Name	Status	Alternate Status	Attendance by Teleconference
Glenn MacDonald, Exe Dir EHS	Member		Yes
Nancy Goodyear, Ph.D.	Member		Yes
Peter Gaines, Ph.D.	Member		Yes
GuiXin He, Ph.D.	Member		Yes
Matthew Gage, Ph.D.	Member		Yes
Sharon Marsh, MS	Member		Yes
Kelly Winson, CSP, CHMM, TURP	Member		Yes
Thomas Porro, Dir ORI	Member		Yes
Indrayani Waghmare, Ph.D.	Chair		Yes

IBC members present by teleconference received all pertinent material before the meeting and were able to actively and equally participate in all discussions.

Others Present²

Name	Role
John Freeman, MS	BSO/IBC Admin

Meeting Information

Total number of regular members on the current IBC roster:	9	Number of members required for quorum:	5
Time meeting called to order:	10:00	Time meeting adjourned:	10:36

Voting Key

- “For”: Voting for the motion.
- “Against”: Voting against the motion
- “Abstain”: Present for the vote, but not voting “For” or “Against”
- “Absent”: Not present for reasons other than a conflicting interest (members in attendance at the meeting, but absent from the room for the vote)
- “Recused”: Not present for discussion and voting due to a conflicting interest
- “Non-Voting”: Present at the meeting but not in voting status (in voting status for some items but not in voting status for all items)

Other business:

N/A

¹ List IBC members present at any time during the meeting and having voting status at least once during the meeting. If an IBC member has non-voting status for the entire meeting, list under “Others Present.”

² List individuals present at any time during the meeting who never have voting status during the meeting.

Primary Presenter	GuiXin He, Ph.D.
IBC Number:	26-8-YAN
Principal Investigator (PI):	Weile Yan, Ph.D.
Project Title:	ENVE Teaching Lab
Are all staff trained?	Yes
Biosafety Level:	BSL-2
Risk Group:	RG-2
HHS Grant Title and ID, if any:	N/A
Documents reviewed:	IBC Registration

Abstract:

The primary purpose of this Lab course is to provide students with hands-on experience in municipal wastewater treatment processes using real-world matrices. The objective is to achieve the course learning outcomes, specifically developing the students' ability to design and conduct appropriate experimentation, analyze and interpret complex data, and apply engineering judgment to draw valid conclusions.

The methods focus on characterization techniques utilizing raw and treated sewage samples sourced from the Lowell Wastewater Treatment Plant. For the Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) modules, influent and secondary effluent samples are collected by plant operators, transported securely within 24 hours, and managed under controlled laboratory hoods. Under teaching assistant supervision, students perform volumetric transfers of these samples into specialized vials using glass pipettes. Dissolved oxygen levels are quantified using DO probes to evaluate organic degradation, while COD vials are sealed immediately following sample introduction to determine chemical oxidant consumption. Furthermore, the curriculum incorporates solids analysis leveraging mixed-liquor suspended solids (MLSS) samples to evaluate biomass concentrations within the treatment stream.

Motion:

Modification required to secure approval

Vote:

For	Against	Abstain	Absent	Recused	Substitution
6					



Minutes

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Primary Presenter	Matthew Gage, Ph.D.
IBC Number:	26-9-KIM
Principal Investigator (PI):	Yuhon Kim, Ph.D.
Project Title:	Mitochondria and Iron in Muscle Cells
Are all staff trained?	Yes
Biosafety Level:	BSL-2
Risk Group:	RG-2
HHS Grant Title and ID, if any:	N/A
Documents reviewed:	IBC Registration

Abstract:

This protocol is comparing iron homeostasis, mitochondrial energetics and muscle health across a series of disease models, specifically Friedreich's ataxia, chemotherapy related muscle atrophy and sarcopenia. The investigators will be using a combination of in vitro and in vivo experiments, using cultured C2C12 myoblasts, rat heart myoblast and human derived cardiomyocytes. In total, this application covers four different projects. The application contains detailed descriptions of the various experiments that they will be conducting for the various projects, how the biomaterials will be handled and inactivated and where the samples will be handled and transported.

Motion:

Tabled: Modification required to receive approval

Vote:

For	Against	Abstain	Absent	Recused	Substitution
6					