
Mock Research Review Exercise

Exercise Worksheet

Training Goal

The mock review exercise uses team-based learning and role-playing approaches to train scientists to identify and analyze risks and benefits of a research project. This exercise does not involve the use of a reference list of high-risk experiments or research to assist with the reviews. Instead, this exercise is designed to promote critical thinking about biosafety and biosecurity risks associated with research, benefits of research, and strategies for mitigating risks and maximizing benefits.

Lead Developing Organization

Gryphon Scientific, LLC, USA

Developers

Gautham Venugopalan, Halima Benbouza, Khalid Temsamani, Lauren Richardson, Nisreen Al-Hmoud, Elias Rahal, and Kavita Berger.

License

These materials are licensed as Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License (CC BY-NC-SA 4.0), which permits modification and use of the materials for non-commercial purposes, as long as credit is given to the developers and the new materials maintain the CC-BY-NC-SA license.



Mock Review Exercise Worksheet

Notional Research Project Number and Title: _____

Group Number: _____

What questions informed the evaluation of risk, benefit, and risk mitigation strategies?

[Greyed-out response area]

What potential risks were identified?

Potential Risks	Feasibility and Immediacy	Technical, Informational, and/or Access Obstacles	Potential Consequences
[Greyed-out response area]			

What potential benefits were identified?

Potential Benefits	Obstacles or Barriers to Realization
[Greyed-out response area]	

How do the risks compare to the benefits?

Which is higher?

RISKS

BENEFITS

RISKS AND BENEFITS EQUAL

Should the study be approved and if so, why and under what conditions?

Should the study be approved?

APPROVE

APPROVE WITH MODIFICATIONS

REJECT

What are the primary reasons for this decision?

What measures can reduce the risk and maintain the benefits?
