

## PROJECT & LAB SELF-INSPECTION FORM

### INSTRUCTIONS:

- Use this form to complete a self-inspection of your lab and your project bioethics to ensure compliance with iGEM safety and security requirements. Lab self-inspection is recommended on a monthly basis, required at a minimum on a semi-annual basis. Project bioethics should also be checked after any system design choice is applied.
- Print the form and complete the inspection by walking through the lab and observing lab activities. For all items marked "No", develop and implement a corrective action plan. Save the inspection with other lab records.
- Notes:
  - o This form is electronically fillable.
  - o CTI stands for corrected at time of inspection
  - o N/A stands for not applicable.

Date of Inspection: \_\_\_\_\_ Conducted By: \_\_\_\_\_

Building: \_\_\_\_\_ Room Number(s): \_\_\_\_\_

Principal Investigator: \_\_\_\_\_ Department: \_\_\_\_\_

#	Item	Yes	No	CTI	N/A	For all items marked "No", write corrective action plan:		
						Corrective Action	Person Responsible	Due Date
<b>SECTION A: LAB SAFETY AND SECURITY</b>								
<b>ADMINISTRATIVE CONTROLS</b>								
<b>Documentation/Training</b>								
1	Lab has knowledge of the iGEM Safety Hub page to access all necessary lab safety-related documents (policies, forms, templates, etc.) <b>NOTE:</b> it is recommended that the page be bookmarked by lab members. <a href="https://2019.igem.org/Safety/Working_Safely">https://2019.igem.org/Safety/Working_Safely</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
2	Training documentation is present in the lab or other accessible location: <ul style="list-style-type: none"> <li>• <b>Required:</b> Lab Safety 101, Right-to-Know, iGEM Safety and Security Policies</li> <li>• <b>Process-specific:</b> General Biosafety, Bloodborne Pathogens, Recombinant DNA, Using Chemical Inventory, and Fire Safety, Receipt of Hazardous Materials or others as appropriate.</li> </ul> <b>NOTE:</b> Consider using tools provided by the <a href="#">iGEM Security Hub</a> according to your project's needs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

3	Lab has up-to-date biosafety approval(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
4	Teams must be in full compliance with iGEM's safety and security policies. <a href="https://2019.igem.org/Safety/Policies">https://2019.igem.org/Safety/Policies</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
5	Teams must follow all relevant international, regional, national, local or institutional laws, rules, regulations or policies on biosafety and bioethics.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
6	Teams must use the iGEM Safety and Security Form to provide information on any risks from their project and steps taken to manage them <a href="https://2019.igem.org/Safety/Final_Safety_Form">https://2019.igem.org/Safety/Final_Safety_Form</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
7	The Instructor or Primary Contact must sign off Safety and Security Forms and animal use request forms (see below).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
8	All deadlines set by the iGEM Foundation for providing safety and security information must be met.							
9	Teams must follow iGEM shipment requirements when submitting samples. <a href="https://parts.igem.org/DNA_Submission#Submission_Requirements">https://parts.igem.org/DNA_Submission#Submission_Requirements</a>							
10	Lab maintains an inventory log for Select Agent Toxins in Exempt Quantities and/or Controlled Substances according to the appropriate guidelines.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
11	Lab uses specialized personnel to ship dangerous goods for them. Dangerous goods include but are not limited to hazardous chemicals, radioactive material, infectious/potentially infectious materials, dry ice, and genetically modified organisms/microorganisms.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Signage/Lab Postings</b>								
12	Doors leading into the lab are labeled with appropriate hazard symbols (biohazard, radiation, NFPA diamond, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
13	The following are posted near the lab entrance: <ul style="list-style-type: none"> <li>• Emergency Contact Card with current contact info</li> <li>• Chemical Inventory</li> <li>• Emergency Procedures Information Sign</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

14	Lab equipment used to manipulate biological materials is labeled with the biohazard symbol.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
15	Lab freezers and refrigerators are labeled with "No Food or Drink Allowed", "No Flammables" (if appropriate) and the biohazard symbol (if used to store biological/infectious material).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>ENGINEERING CONTROLS</b>								
<b>Cabinet/ Hood Certification</b>								
16	Chemical Fume Hoods (CFH) have been certified in the past 6 months by the institution's approved vendor and are functioning properly. The certification label is attached to the CFH.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
17	CFHs that have failed certification, have not been certified within the past 6 months or are not functioning correctly (i.e., flow is not between 80-120 LFM) are tagged out of service and are not in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
18	Biosafety Cabinets (BSC) have been certified in the past year by the institution's approved vendor and are functioning properly. The certification label is attached to the BSC.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
19	BSCs that have failed certification or have not been certified within the past year are tagged out of service and are not in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
20	All active laminar flow hoods/clean benches have been certified within the past year by the institution's approved vendor and are functioning properly. The certification label is attached and initialed by the vendor.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Cabinet/Hood Use</b>								
21	CFH and BSC sashes are functioning properly, set to appropriate heights, not cracked, and alarms are not muted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
22	Items are not stored on top of the BSC.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
23	Bunsen burners and/or open flames are not used in the BSC. Flammable gas is not used or connected to BSC gas lines (i.e., natural gas).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
24	Items stored in CFHs and BSCs do not disrupt normal use and/or airflow. Specifically, BSC grills are free from obstructions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

25	Laminar flow hoods/clean benches are not used to work with hazardous material.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Centrifuges</b>								
26	Centrifuges have door interlocks (mechanism to keep lid closed during operation).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
27	Secondary containment (i.e., centrifuge safety caps, buckets, sealed rotors) is available and used when centrifuging infectious samples.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Emergency Equipment</b>								
28	A double ocular eyewash is available within 10 second access.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
29	A safety shower is available within 10 second access.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
30	Eyewashes and safety showers are free of obstruction for easy access during an emergency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
31	Eyewashes are tested weekly by lab members and the test is documented. <b>NOTE:</b> Eyewashes equipped with safety caps have them in place.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
32	Safety showers are tested annually by GT Facilities and the test is documented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
33	Fire extinguishers are appropriate for the hazards in the lab, visible and accessible in the lab.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
34	Fire extinguishers are visually inspected monthly by lab members. This is documented on the tag affixed to the equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>PERSONAL PROTECTIVE EQUIPMENT &amp; LAB ATTIRE</b>								
35	Lab coats are worn while working in the lab.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
36	Reusable coats are laundered on a regular basis by an approved method.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
37	Safety glasses/goggles or another type of face protection are worn at all times in the lab.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
38	Gloves are worn while working in the lab and appropriate for the experiment (examples: thermal protection for -80°C freezers/liquid nitrogen, nitrile gloves for chemicals, etc.) Disposable gloves are not reused.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
39	Lab members remove gloves before leaving the lab and opening doors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
40	Closed toed shoes and long pants/skirts are worn at all times in the lab.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

	Examples of inappropriate attire include: sandals, torn jeans, and ballet flats.							
<b>HAZARDOUS MATERIAL STORAGE</b>								
41	NFPA/Right-To-Know compliant labels are affixed to in house made containers of solutions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Chemicals</b>								
42	Labels are present on all primary chemical containers (including gas cylinders).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
43	Chemicals are segregated by hazard (i.e., acids and bases separated; acids are segregated by type: inorganic and organic).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
44	Hazardous liquids are stored no higher than shoulder height.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
45	Chemical containers are in good condition (i.e., no bulging, leaking, cracked caps or crystal formation).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
46	Secondary containment is present for all hazardous liquids. <b>Note:</b> squirt bottles and working solutions (i.e., flasks beakers, etc.) are exempt from this requirement.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
47	Lab members extract chemicals from one stock container until the container is empty.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Flammables</b>								
48	Flammables are stored in flammable safety cabinets when not in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
49	Flammable materials are limited to 10 gallons/100 ft <sup>2</sup> of lab space.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
50	Flammables are stored in flammable safe or explosion proof refrigerators/freezers as necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Compressed Gases</b>								
51	Gas cylinders are secured between the middle and shoulder of cylinder. <b>NOTE:</b> No more than two gas cylinders are secured with on restraint.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
52	Gas cylinders without a regulator attached have safety caps in place.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
53	Toxic or flammable gases present in the lab are compliant with the institution's policies.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>WASTE MANAGEMENT</b>								
<b>Sharps</b>								

54	Unprotected sharps are not left unattended, lying out on bench tops.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
55	Disposable sharps are properly disposed of in hard walled sharps container labeled with the principal investigator's name and containers are no greater than ¾ full.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
56	Needles are not bent, broken, recapped, removed from disposable syringes, or otherwise manipulated by hand before disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Broken Glass</b>								
57	Broken glass containers with plastic liners are available and no greater than ¾ full. Lab does not use broken glass containers for the disposal of sharps, biohazard-contaminated glass, gloves, used bulbs, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Chemical Waste</b>								
58	Chemical Waste is stored in an easily accessible location.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
59	Chemical waste is properly labeled with a description of the contents, fill start date and owner's name.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
60	Chemical waste is stored in compatible containers (i.e., no acid in metal, no HF in glass, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
61	Chemical disposal containers are closed when not in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
62	Liquid chemical waste is in secondary containment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Biological Waste</b>								
63	Animal carcasses are double bagged in biohazard bags and refrigerated/frozen until pick-up by biological waste management .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
64	Solid, non-sharp, biological waste is disposed of in biomedical waste boxes lined with biohazard bags. These are packed for biological waste management pick up.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
65	Liquid biological waste is labeled appropriately and disinfected prior to disposal down the drain using the chemical disinfectant and contact time indicated on the lab's Biological Hygiene Plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>ELECTRICAL SAFETY</b>								
66	Electrical panels are unobstructed (i.e., 3 ft of clearance in front of panels).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

67	Ignition sources are segregated from flammables/combustibles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
68	Permanent equipment is plugged directly into an outlet (no extension cords).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
69	Electrical cords are not frayed or damaged.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>EMERGENCY PREPAREDNESS</b>								
70	Lab is equipped with a spill kit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
71	Lab members have been trained on how to clean up a minor spill.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
72	Lab members know how to report incidents and injuries.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>HOUSEKEEPING</b>								
73	Lab sinks are equipped with soap and paper towels for handwashing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
74	Lab floor, bench tops and furniture are easily cleanable (i.e., can be wiped down) and can handle the anticipated loads.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
75	Lab is under restricted access (i.e., doors are lockable, doors are kept closed).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
76	Food/drinks/cosmetics/lotions are not present in the lab.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
77	Work surfaces are disinfected with or an appropriate disinfectant after each use and are visibly clean. Bench papers are changed on a regular basis.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
78	Work surfaces and aisle ways are uncluttered to allow space for safe work practices.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
79	Items are not stored within 18" of the ceiling to allow for safe function of building sprinkler systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

## SECTION B: BIOETHICS AND HUMAN PRACTICES

### PROJECT DESIGN

#### Choice of chassis/organism for experimentation

P1	The organism used as a chassis should be on the iGEM White List. Whole organisms from Risk Group 3 and 4 are prohibited. <a href="https://2019.igem.org/Safety/White_List">https://2019.igem.org/Safety/White_List</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P2	In the case that the chassis organism is not contained in the White List, the team should use the Check-In form, found here: <a href="https://2019.igem.org/Safety/Check_In">https://2019.igem.org/Safety/Check_In</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

P3	In case that the team wants to use multicellular organisms not on the White List for testing, among them vertebrates and some invertebrates, a Check-in form and an Animal Use form must be submitted beforehand.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P4	Teams should not release or deploy any genetically modified organisms, or the products of genetically modified organisms, outside the lab.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P5	Team does not plan to use human subjects (including team members) for experimentation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P6	Engineered organisms you make, or their products, should not come into direct contact with humans.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P7	Samples from humans (swabs, feces, blood, etc.) can be used but their use must comply with both institutional/national rules and iGEM's safety and security rules and policies. A Check-In form is required.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P8	Samples from vulnerable populations (such as minors/children, prisoners, pregnant women or fetuses) should be avoided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>Choice of genetic parts</b>								
P9	The genetic parts used should be on the iGEM White List, which includes any part that does not have a Red Flag. A list with parts bearing a Red Flag can be found in the link below. These parts require a Check-In form. <a href="http://parts.igem.org/Special:WhatLinksHere/Template:SafetyFlag">http://parts.igem.org/Special:WhatLinksHere/Template:SafetyFlag</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P10	Any part from a Risk Group 3 organism, regardless of its function, must be Checked-in. Risk Group 4 parts are prohibited from being used. Teams are advised to find a substitute in both cases.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P11	Any gene from a human or animal viral pathogen or toxin-coding listed by the Australia group (australiagroup.net) must be Checked-In	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P12	Any gene which could endow or enhance pathogenicity, or in itself or through its transcribed or translated products, represent a significant hazard to health from a human or animal bacterial or fungal pathogen or a plant pathogen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			



	listed by the Australia group must be Checked-In							
P13	Non-protein-coding parts that target human genes (CRISPR gRNAs, miRNAs, siRNAs, shRNAs etc) or are not listed in the White List must be Checked-In	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P14	Prions from mammals, such as human PrP must be Checked-In	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P15	Proteins or protein-coding genes in the following dangerous categories must be checked-in: <ul style="list-style-type: none"> <li>• Virulence factors</li> <li>• Factors that help pathogens evade or shut down the immune system</li> <li>• Factors that help pathogens halt the host's DNA/RNA replication, transcription, or translation</li> <li>• Factors that regulate the immune system, such as cytokines and interferons</li> <li>• Proteins that are toxic to humans</li> <li>• Enzymes that produce a molecule that is toxic to humans</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P16	Anti-microbial resistance factors against commonly used anti-microbial therapies or the ones listed on World Health Organization's list of Critically Important Antimicrobials ( <a href="https://www.who.int/foodsafety/area_s_work/antimicrobial-resistance/cia">https://www.who.int/foodsafety/area_s_work/antimicrobial-resistance/cia</a> ) should be checked-in, except the ones that are common research tools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>WET LAB ACTIVITIES</b>								
P17	Teams must work in the biosafety level appropriate for their project. If this is not possible an explanation must be provided in the Safety and Security Form.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P18	Experiments likely to bias the inheritance frequency of a genetic marker in an organism's progeny, such as through the creation of a gene drive, must be checked-in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P19	Experiments likely to render a vaccine ineffective must be checked-in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P20	Experiments likely to confer resistance to the World Health Organization's list of Critically Important Antimicrobial must be checked-in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

P21	Experiments likely to make hazardous biological agents more hazardous, or alter its host-range, must be checked-in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P22	Experiments likely to result in a novel hazardous biological agent, or confer degradation of, or the ability to damage, important materials (such as electronics, plastics, etc.), must be checked in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P23	Experiments likely to enable a hazardous agent (such as pathogens or organisms capable of damaging important materials) to evade common diagnostic or detection tools must be checked in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P24	Experiments likely to make a biological agent or toxin more suitable for use as a weapon or for bioterrorism purposes must be checked in.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<b>HUMAN SUBJECTS RESEARCH (NOT BIOMEDICAL)</b>								
P25	If stated by institutional policies, social science research (such as surveys and data collection from interviews) may require pre-approval from review boards at your local institution, and must comply with national guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P26	Teams should consult international and national institution and other resources and experts when considering their human practices research	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P27	Teams should preferably anonymise data when publishing human practices work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P28	Written (or verbal in special cases) informed consent must be provided by participants in social science research	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
P29	Teams must be compliant with General Data Protection Regulation (GDPR) in cases of personal data handling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			