

Checklist for Adult Sponsor (1)

This completed form is required for ALL projects.

To be completed by the Adult Sponsor in collaboration with the student researcher(s):

Student's Name(s): Edgar Ma

Project Title: Improving CO2 hydrogenation: Guanidine treatment over bimetallic Fe-Co catalysts

1. ☒ I have reviewed the Intel ISEF Rules and Guidelines.

2. ☒ I have reviewed the student's completed Student Checklist (1A)

3. ☒ I have worked with the student and we have discussed the possible risks involved in the project.

4. ☐ The project involves one or more of the following and requires prior approval by an SRC, IRB, IACUC or IBC:

☐ Humans

Potentially Hazardous Biological Agents

☐ Vertebrate Animals

☐ Microorganisms ☐ rDNA ☐ Tissues

5. ☒ Items to be completed for ALL PROJECTS

☒ Adult Sponsor Checklist (1)

☒ Research Plan/Project Summary

☒ Student Checklist (1A)

☒ Approval Form (1B)

☒ Regulated Research Institutional/Industrial Setting Form (1C) (when applicable; after completed experiment)

☐ Continuation/Research Progression Form (7) (when applicable)

Additional forms required if the project includes the use of one or more of the following (check all that apply):

☐ **Humans**, including student designed inventions/prototypes. (Requires prior approval by an Institutional Review Board (IRB); see full text of the rules.)

☐ Human Participants Form (4) or appropriate Institutional IRB documentation

☐ Sample of Informed Consent Form (when applicable and/or required by the IRB)

☐ Qualified Scientist Form (2) (when applicable and/or required by the IRB)

☐ **Vertebrate Animals** (Requires prior approval, see full text of the rules.)

☐ Vertebrate Animal Form (5A) - for projects conducted in a school/home/field research site (SRC prior approval required.)

☐ Vertebrate Animal Form (5B) - for projects conducted at a Regulated Research Institution. (Institutional Animal Care and Use Committee (IACUC) approval required prior experimentation.)

☐ Qualified Scientist Form (2) (Required for all vertebrate animal projects at a regulated research site or when applicable)

☐ **Potentially Hazardous Biological Agents** (Requires prior approval by SRC, IACUC or IBC, see full text of the rules.)

☐ Potentially Hazardous Biological Agents Risk Assessment Form (6A)

☐ Human and Vertebrate Animal Tissue Form (6B) - to be completed in addition to Form 6A when project involves the use of fresh or frozen tissue, primary cell cultures, blood, blood products and body fluids.

☐ Qualified Scientist Form (2) (when applicable)

☐ The following are exempt from prior review but require a Risk Assessment Form 3: projects involving protists, archae and similar microorganisms, for projects using manure for composting, fuel production or other non-culturing experiments, projects using color change coliform water test kits, microbial fuel cells, and projects involving decomposing vertebrate organisms.

☒ **Hazardous Chemicals, Activities and Devices** (No SRC prior approval required, see full text of the rules.)

☒ Risk Assessment Form (3)

☒ Qualified Scientist Form (2) (required for projects involving DEA-controlled substances or when applicable)

Serena McCalla

Adult Sponsor's Printed Name


Signature

6/03/19

Date of Review (mm/dd/yy)

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