

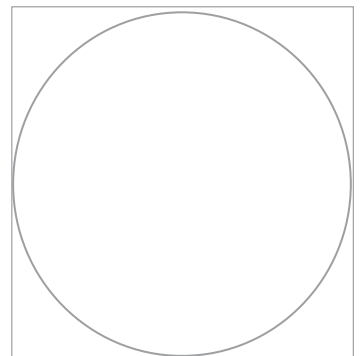
OFFICIAL ABSTRACT and CERTIFICATION

Large empty rectangular box for the abstract and certification text.

Category
Pick one only —
mark an “X” in box
at right

- Animal Sciences
- Behavioral & Social Sciences
- Biochemistry
- Biomedical & Health Sciences
- Biomedical Engineering
- Cellular & Molecular Biology
- Chemistry
- Computational Biology & Bioinformatics
- Earth & Environmental Sciences
- Embedded Systems
- Energy: Sustainable Materials and Design
- Engineering Mechanics
- Environmental Engineering
- Materials Science
- Mathematics
- Microbiology
- Physics & Astronomy
- Plant Sciences
- Robotics & Intelligent Machines
- Systems Software
- Translational Medical Sciences

1. As a part of this research project, the student directly handled, manipulated, or interacted with (check ALL that apply):
 - human participants potentially hazardous biological agents
 - vertebrate animals microorganisms rDNA tissue
2. I/we worked or used equipment in a regulated research institution or industrial setting: Yes No
3. This project is a continuation of previous research. Yes No
4. My display board includes non-published photographs/visual depictions of humans (other than myself): Yes No
5. This abstract describes only procedures performed by me/us, reflects my/our own independent research, and represents one year’s work only Yes No
6. I/we hereby certify that the abstract and responses to the above statements are correct and properly reflect my/our own work. Yes No



This stamp or embossed seal attests that this project is in compliance with all federal and state laws and regulations and that all appropriate reviews and approvals have been obtained including the final clearance by the Scientific Review Committee.