

## OFFICIAL ABSTRACT and CERTIFICATION

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  
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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.*

