

Qualified Scientist Form (2)

May be required for research involving human participants, vertebrate animals, potentially hazardous biological agents, and hazardous substances and devices. Must be completed and signed before the start of student experimentation.

Student's Name(s) Aditya Kendre

Title of Project Employing Adversarial Machine Learning and Computer Audition for Real-Time Arrhythmia Classification in Heart Sounds

To be completed by the Qualified Scientist:

Scientist Name: Lifang He

Educational Background: Machine Learning/Deep Learning/Biomedical Informatics

Degree(s): B.S., Computational Mathematics; Ph.D., Computer Science

Experience/Training as relates to the student's area of research: Biomedical Engineering in Machine Learning

Assistant Professor

Position:

BC 327, 113 Research Drive, Bethlehem, PA 18015

Address:

Lehigh University

Institution:

lih319@lehigh.edu

Email/Phone:

1. Have you reviewed the ISEF rules relevant to this project? ☒ Yes ☐ No
2. Will any of the following be used?
 - a. Human participants ☐ Yes ☐ No
 - b. Vertebrate animals ☐ Yes ☒ No
 - c. Potentially hazardous biological agents (microorganisms, rDNA and tissues, including blood and blood products) ☐ Yes ☒ No
 - d. Hazardous substances and devices ☐ Yes ☒ No
3. Will this study be a sub-set of a larger study? ☐ Yes ☒ No
4. Will you directly supervise the student? ☒ Yes ☐ No
 - a. If no, who will directly supervise and serve as the Designated Supervisor? _____
 - b. Experience/Training of the Designated Supervisor: _____

Assistant Professor at Lehigh University

To be completed by the Qualified Scientist:

I certify that I have reviewed and approved the Research Plan/Project Summary prior to the start of the experimentation. If the student or Designated Supervisor is not trained in the necessary procedures, I will ensure her/his training. I will provide advice and supervision during the research. I have a working knowledge of the techniques to be used by the student in the Research Plan/Project Summary. I understand that a Designated Supervisor is required when the student is not conducting experimentation under my direct supervision.

Lifang He

Qualified Scientist's Printed Name

Lifang He
Signature

04/14/21
Date of Approval (mm/dd/yy)

To be completed by the Designated Supervisor when the Qualified Scientist cannot directly supervise.

I certify that I have reviewed the Research Plan/Project Summary and have been trained in the techniques to be used by this student, and I will provide direct supervision.

Mike Floreck

Designated Supervisor's Printed Name

Signature

04/14/21

Date of Approval (mm/dd/yy)

(717) 506-3413
Phone

mfloreck@cvschools.org
Email