

GREATER SAN DIEGO SCIENCE & ENGINEERING FAIR (GSDSEF)

CERTIFICATION OF HUMANE TREATMENT OF LIVE VERTEBRATE ANIMALS FORM (GSDSEF-2, 2015)

This form, if required, must be completed and signed before starting your project. Place it in your notebook for the GSDSEF SCREENING Fair. (Use the "Tab" key to move from line to line)

The Student, and all who sign this form, MUST READ AND COMPLY with the live vertebrate animal humane treatment requirements of the *California Education Code*, the *Intel International Science and Engineering Fair (Intel ISEF)* AND the *Greater San Diego Science and Engineering Fair*. SEE: GSDSEF RULES & REGULATIONS page 8

Student's Name (last, first, middle) Wu, Xi-Kai, Isaac Date 6/15/14

Partners Name (Senior Division only) _____

School Marshall Middle Grade 8

Science Teacher Elaine Gillum

Project Title Length of Memory for a Tetra of a Simulated Migration Route

Animals to be used Ember Tetras, Neon Tetras, and Flame Tetras

REQUIRED CERTIFICATION SIGNATURES:

Failure to follow the rules and regulations will result in disqualification. I CERTIFY THAT:

1. The rules and regulations of the GSDSEF, Intel ISEF and the California Education Code will be followed and no animal will be harmed or endangered in any way.
2. The experiments performed WILL NOT involve surgery, toxicity, nutritional deficiency, physical or psychological stress or injury, or the sacrifice of the animals.
3. All animals will receive appropriate nutritious food; adequate water; comfortable living quarters; humane treatment and gentle handling at all times (including week-ends, holidays and vacations).
4. PROJECTS, OTHER THAN OBSERVATIONAL STUDIES OF ANIMALS IN THEIR NATURAL HABITATS, require a bio-medical scientist who has an earned doctoral degree in medicine or science and specific knowledge of the procedures involved, and who will assume responsibility for the experimental design of the project.
5. I have previously completed and signed the Project Proposal Form GSDSEF-1, 2015 which outlines the procedures to be followed for this study.

Student's signature Xi-Kai Wu Date 6/15/14

Parent/ Guardian signature [Signature] Date June 15, 2014

Teacher signature [Signature] Date 6-15-14

Adult Animal Care Supervisor's signature [Signature] Date June 15, 2014
Adult may be a parent or teacher who will assure compliance with item 3

Biomedical Scientist's signature if required, see item 4 above:

Signature [Signature] Degree Ph.D., ELS

Telephone 858 549 1318 Date 15 JUN 2014

SRC Approval