

# Los Angeles County Science Fair

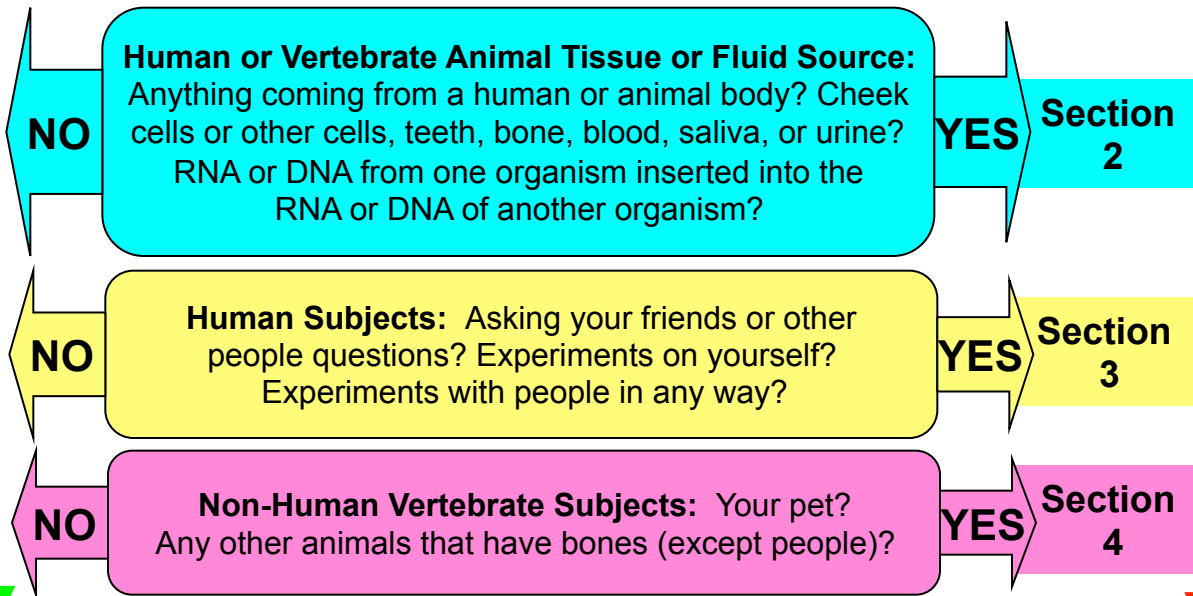
## ***Does your project require Pre-Approval? Find out fast!***

Some research projects require Pre-Approval from the Science Review Committee (SRC). If you answer **YES** to any of the questions below, review the [General Information Section 1 of Certification Form # 601-068](#) **AND** refer to the **Rules & Regulations in the section noted below.**



**If ALL are No:**

**If ANY are Yes:**



**Project does NOT need SRC Pre-Approval!**

**SRC Pre-Approval Required  
YOU MUST SUBMIT  
Research Plan ([Form 601-068, p 9](#))  
with Signatures ([Form 601-068, p 10 or 11](#))  
(Sr. Division- use [ISEF Certification Forms](#))**

**[DEADLINES FOR SUBMISSION](#)**

For additional information concerning these Rules & Regulations, [Certification Form # 601-068](#) (Jr. Division only) and [ISEF Certification Forms](#) (Sr. Division only), contact: Dean Gilbert, (562) 922-6896 or [Gilbert\\_Dean@lacoedu](mailto:Gilbert_Dean@lacoedu)

## Section I

# Roles and Responsibilities of Students, Sponsors and Supervisors

### (Applicable to All Teachers and Students)

All student research projects involving tissue samples, human subjects or any vertebrate animals must comply with the following guidelines from the International Science and Engineering Fair (ISEF) as modified by the Los Angeles County Science Fair Executive Committee:

1. **The Student Researcher** is responsible for all aspects of the research project including enlisting any needed supervisory adults (i.e., Animal Care Supervisor, Biomedical Scientist or Designated Adult Supervisor) obtaining necessary approvals from the student's Teacher/Advisor, following the Los Angeles County Science and Engineering Fair Regulations for Projects and completing the experimentation, engineering, data analysis, etc. involved in the project.
2. **The Teacher/Advisor (Adult Sponsor)** is the person in whose school or lab the student is working. This individual must have a solid background in science and should have close contact with the student during the course of the project. The Teacher/Advisor is ultimately responsible, not only for the health and safety of the student conducting the research, but also, for the tissue, human subjects and/or animals used in the experiment. *The Teacher/Advisor must review the student's Research Plan to make certain of the following:*
  - (a) Experimentation is done within local, state and federal laws and the Los Angeles County Science & Engineering Fair Project Screening Guidelines.
  - (b) Required Certification Form 601-068 (for Junior Division) and ISEF Certification Forms (for Senior Division) is completed by the student involved in the project and other adults involved in approving or supervising any part of the experiment prior to the start of research; and
  - (c) The qualifications of the Biomedical Scientist adhere to the criteria as indicated in Item #3.

The **Teacher/Advisor** must be familiar with the regulations that govern potentially dangerous research as it applies to a specific student project. This may include chemical and equipment usage, experimental techniques and research involving human or vertebrate animals, cell cultures, microorganisms, animal or human tissues. The regulations must be discussed with the student when completing the Research Plan.

Some experiments involve procedures or materials that are regulated by State and Federal laws. If not thoroughly familiar with these regulations, the Teacher/Advisor should help the student enlist the aid of a qualified Biomedical Scientist. *The Teacher/Advisor is responsible for ensuring that the student's research is eligible for entry in the Los Angeles County Science and Engineering Fair.*

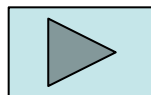
3. A qualified **Biomedical Scientist** should possess an earned doctoral/professional degree in the biological or medical sciences as it relates to the student's area of research. However, a master's degree with equivalent experience and/or expertise in the student's area of research is acceptable when approved by the Teacher/Advisor. The Biomedical Scientist must be thoroughly familiar with local, state and federal regulations that govern the student's area of research.

The **Biomedical Scientist** and the Teacher/Advisor may be the same person, if that person is qualified as outlined above. A student may work with a Biomedical Scientist in another city or state. In this case, the student must also work locally with a Designated Adult Supervisor who has been trained in the techniques the student will use.

4. The **Designated Adult Supervisor** is an adult who is directly responsible for overseeing student experimentation. The **Designated Adult Supervisor** need not have an advanced degree, but should be thoroughly familiar with the student's project and must be trained in the student's area of research. The Teacher/Advisor may act as the Designated Adult Supervisor.

If a student is experimenting with live vertebrates and the animals are in a situation where humans influence their behavior or habitat, the Designated Adult Supervisor must be knowledgeable about the humane care and handling of the animals. If the Designated Adult Supervisor is not knowledgeable, the Teacher/Advisor must ensure that the student enlists the help of an Animal Care Supervisor.

5. An **Animal Care Supervisor** is required for all non-human vertebrate animal projects. This person must be familiar with the proper care and handling of research animals used in the project. The Biomedical Scientist, Designated Adult Supervisor or animal care professional can usually serve as the Animal Care Supervisor. Animal Care Supervisor may also be the Site Science Fair Coordinator.



## Section I

# Roles and Responsibilities of Students, Sponsors and Supervisors

(Applicable to All Teachers and Students)

### Los Angeles County Science Review Committee (SRC)

The Los Angeles County Science Review Committee (SRC) is responsible for approval of any student project involving tissue/cell lines, human subjects and/or vertebrate animals that may be entered in the Los Angeles County Science Fair.

A minimum of three persons will pre-screen project Research Plans involving tissues/cell lines, human subjects and/or vertebrate animals. (Additional members may be appointed to the SRC to avoid conflict of interest.) The Los Angeles County Science Review Committee includes:

- (a) A Biomedical Scientist (Ph.D., M.D., D.V.M., D.D, S., etc.)
- (b) A Science Teacher/Advisor that is not sponsoring a project at the Los Angeles County Science & Engineering Fair.
- (c) A Science Fair Committee member that is not involved as a Teacher/Advisor or Animal Care Supervisor

The Los Angeles County Science Review Committee will examine the completed Research Plan (Certification Form No. 601-068, Junior Division or ISEF Certification Forms for Senior Division) for the following:

- (a) Evidence of literature search.
- (b) Evidence of required and proper supervision.
- (c) Use of accepted research techniques.
- (d) Complete signatures on Certification Forms.
- (e) Evidence of search for alternatives to animal use.
- (f) Humane treatment of animals.
- (g) Compliance with Los Angeles County Science & Engineering Fair guidelines, state and federal laws governing human, tissue and vertebrate animal research, and adherence to the California Education Code.

- (h) Compliance with Los Angeles County Science & Engineering Fair guidelines and state and federal laws governing the use of recombinant DNA, pathogenic organisms, controlled substances, tissues and hazardous substances and devices.
- (i) Appropriate documents and substantial expansion for continuation projects.

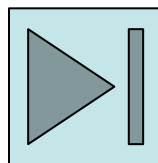
#### NOTE:

If a project is a continuation of a project that was previously entered into the Los Angeles County Science and Engineering Fair, the student must document, in the Research Plan, how the current year's project is new and substantially different from any prior work. Repetitions of previous experimentation or increasing sample size are examples of unacceptable continuations. Display boards must reflect the current year's work. Supporting documentation, log books from previous related research, may be exhibited, if properly identified.

*Scientific fraud and misconduct are not condoned at any level of research or competition. Plagiarism, use or presentation of other researcher's work as one's own, forgery of approval signatures and fabrication or falsification of data or approval dates will not be tolerated. Fraudulent projects will fail to qualify for competition in affiliated Science Fairs.*

All students please note the following:

1. If the student project involves tissue/cell lines, you must become familiar with the regulations in Section II.
2. If the student project involves human subjects, you must become familiar with the regulations in Section III.
3. If the student project involves live vertebrate animals, you must become familiar with the regulations in Section IV.



## Section II

### Regulations for Experiments with Tissue/Cell Lines

All projects involving research with tissue/cell lines must be pre-approved by the Los Angeles County Science Review Committee (SRC) before experimentation is begun.

Human or non-human tissue samples are defined as fresh tissue, organs, human or animal parts, blood, blood products, teeth, cell(s), established cell lines and tissue cultures, body fluids (i.e., saliva, tears, urine) pathogenic or potentially pathogenic agents (bacteria, viruses, viroids, prions, rickettsia, fungi or parasites).

1. Human blood and blood products (including Student Researcher's own blood) must be documented as free of Acquired Immune Deficiency Syndrome (AIDS) and hepatitis antibodies and antigens prior to the student receiving the tissue. Teeth shall be sterilized and certified free of blood and blood products.
2. When live or preserved tissue samples or parts of human or vertebrate animals are obtained by the student from an institution or Biomedical Scientist, a statement signed by the adult providing the tissues is required (Item 2 & 3 on the Certification Form No. 601-068). Students may not be involved in the direct acquisition of these samples from living human or vertebrate animals. Animals may not be sacrificed solely to obtain tissue samples.

*Plant tissue, hair, tissue samples, etc. obtained from commercial businesses, food stores, restaurants, or packing houses are excluded.*

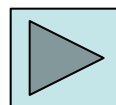
3. All bodily fluids shall be treated in the same manner as pathogenic or potentially pathogenic agents. Research involving pathogenic or potentially pathogenic agents shall be conducted following standard microbiological practices as defined in *Biosafety in Microbiological and Biomedical Laboratories (BMBL)* published by CDC-NIH.

<http://www.cdc.gov/od/ohs/biosfty/biosfty.htm>

Additionally, students shall adhere to the following:

- (a) Student research with pathogenic or potentially pathogenic agents may be performed only under the direct supervision of an experienced Biomedical Scientist or Designated Adult Supervisor in an institutional laboratory, including a school, if facilities are adequate and appropriate.
- (b) Studies involving pathogenic agents or potentially pathogenic agents are prohibited from being conducted in a home environment, except that specimens may be collected at home.
- (c) Studies intended to produce bacteria with multiple antibiotic resistance are prohibited.

- (d) Studies on existing resistant microorganisms are acceptable if done under direct supervision of an experienced Biomedical Scientist or Designated Adult Supervisor at a registered research institution. This study may not be performed in a school.
  - (e) All cultured materials must be autoclaved at the end of experimentation according to the recommended procedures in the Science Safety Handbook for California Public Schools (1999 edition).
4. Student researchers who collect specimens of body fluids, pathogenic or potentially pathogenic agents from human subjects are also required to fill out the Written Consent Form (Certification Form 601-068 for Junior Division or ISEF Certification Forms for Senior Division).
  5. All projects must conform to the California Education Code Title 2, Division 2, Part 28, Chapter 4, Article 5, 51540.
  6. Any project involving human or non-human tissue samples shall have a Research Plan that includes the objectives and goals for the project and a list of the tissues, organs or parts involved in the experiment. The Research Plan shall describe fully the methods and techniques involved in the project including the procurement and disposition of all proposed tissue samples. The Research Plan shall also include the source for the tissue samples, genus, species and common name. The Research Plan shall indicate the date of sample acquisition and be certified by the person providing the tissue sample that the student was not involved in the direct acquisition of the samples from living human or vertebrate animals.
  7. It is permissible for the student and Designated Adult Supervisor to consult with the Biomedical Scientist to obtain detailed instructions and guidance in the techniques to be used by the student under the direct continuous supervision of the Designated Adult Supervisor (for research not conducted in the Biomedical Scientist's laboratory). In this instance, the Designated Adult Supervisor will be required to certify, in writing, jointly with the Biomedical Scientist. The Biomedical Scientist or Designated Adult Supervisor must be in the same locality as the student for the duration of the experimental work. A project started in one city may not be continued in another unless an alternate Designated Adult Supervisor, approved by the Biomedical Scientist prior to the continuation of the experimental work, agrees to supervise the project.



## Section II

### Regulations for Experiments with Tissue/Cell Lines

*Any proposed changes in the Research Plan and Attachments by the student after initial Los Angeles County Science Review Committee approval must have subsequent SRC approval before such changes are made and before experimentation resumes.*

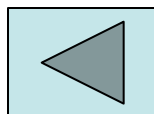
#### Human or Non-Human Tissue/Cell Lines Summary

Students conducting experiments with Human or Non-Human Tissue or Cells must submit the following:

- a. Research Plan
- b. Certification Form 601-068 for Junior Division or ISEF Certification Forms for Senior Division.
- c. Written Consent if samples are collected from human subjects.
- d. Signed form by Biomedical Scientist, Animal Care Supervisor, and Designated Adult Supervisor.

For further information concerning these rules, regulations, and Certification Forms, contact:

Dean Gilbert, Science Consultant  
Los Angeles County Science Fair  
LACOE  
9300 Imperial Hwy.  
Downey, CA 90242  
Phone: (562) 922-6895 or (562) 401-5486  
Email: Gilbert\_Dean@lacoedu



## Section III

### Regulations for Experiments with Human Subjects

There are federal regulations that must protect the rights and welfare of human subjects. Therefore, students must plan carefully before undertaking research that involves the use of human subjects in either behavioral or biomedical studies. This will protect subjects from unnecessary exposure to physical or psychological complications.

1. All Research Plans/Questionnaires (Certification Form No. 601-068 for Junior Division or ISEF Certification Forms for Senior Division) involving human subjects must be received and approved by the Los Angeles County Science Fair Science Review Committee (SRC) *before research begins*. These pages must be attached to the project log book when brought to the Fair.
2. Human subjects research includes projects involving:
  - (a) Human Subjects participating in physical activities (physical exertion, ingestion of any substance, any medical procedure),
  - (b) Psychological and opinion studies (survey, questionnaire, test of any kind),
  - (c) Behavioral observations,
  - (d) Studies in which the researcher is the subject of the research.
3. When research activities involve collection of personal information (history of abuse, opinions, fingerprints) or health related data (genetic material, blood, tissue), the student must consider risks related to invasion of privacy and possible breach of confidentiality.
4. Student researchers may NOT publish or display information in a report that identifies the human subject directly or through identifiers linked to the subjects (including photographs), without written consent.
5. The use of the internet to obtain data for human subjects research is permissible. The Student Researcher and the Adult Sponsor must take additional care to ensure that survey responses remain confidential and informed consent is documented.
6. A student may observe and collect data for analysis of medical procedures and medication administration only under the direct supervision of a qualified professional. The qualified professional must be named in the Research Plan.

Students are prohibited from administering medications and performing medical procedures on human subjects.

7. The Research Plan shall list objectives of the project and describe fully the methods and techniques involved (including planned use of anesthetics, drugs, thermal procedures, physical stress, organisms pathogenic to humans or other vertebrates, radiation, carcinogens or surgical procedures).

When the use of electrical current, laser beams, sound stimuli or other artificial stimuli are an integral part of the project, it must not exceed the normal tissue tolerances for the species concerned, as indicated in the *Biological Data Handbook, 2<sup>nd</sup> Edition; Editors, P.O. Altman and D.S. Dittmer; Publisher: Federation of American Societies for Experimental Biology.*
8. Written consent is required for all projects. Children/Minors (under 18 years old) participating in research will require consent of the parent/guardian.
9. Once a study population is chosen, the student researcher must consider any potential physical and/or psychological risks when developing the Research Plan. The federal definition of minimal risk is as follows: *No more than minimal risk exists when the probability and magnitude of harm or discomfort anticipated in the research are not greater (in and of themselves) than those ordinarily encountered in DAILY LIFE or during performance of routine physical or psychological examinations or tests.* Student researchers must be aware of the following:

#### Risk Groups:

Naturally at-risk groups include pregnant women, individuals with diseases such as cancer, asthma, diabetes, AIDS, cardiac disorders, psychiatric disorders, etc. Special vulnerable at-risk groups include: children/minors, prisoners or mentally disabled persons.

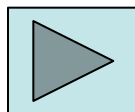
#### Risk Activities:

##### Physical:

- (a) Exercise other than ordinarily encountered in daily life by that subject.
- (b) Ingestion of any substance or exposure to any potentially hazardous materials.

##### Psychological:

- (a) Any activity (survey, questionnaire, viewing of stimuli) or experimental condition that could potentially result in emotional stress.



### Section III

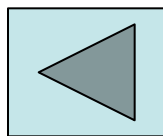
## Regulations for Experiments with Human Subjects

10. Students conducting experiments with Human Subjects must submit the following:
- (a) Research Plan,
  - (b) Certification Form 601-068 for Junior Division or ISEF Certification Forms for Senior Division,
  - (c) Written consent of Human Subjects.
11. Students under the age of 21 are prohibited by federal and state law from using controlled substances in their research project. These substances include all forms of alcohol, explosive materials, tobacco and firearms.

*Any proposed changes in the Research Plan and Written Consent by the student after initial SRC approval must have subsequent SRC approval before such changes are made and before experimentation resumes.*

For further information concerning these rules, regulations and Certification Forms, contact:

Dean Gilbert, Science Consultant  
Los Angeles County Science Fair  
LACOE  
9300 Imperial Hwy.  
Downey, CA 90242  
Phone: (562) 922-6895 or (562) 401-5486  
Email: Gilbert\_Dean@lacoedu



## Section IV

### Regulations for Experiments with Live Vertebrate Animals

All projects involving research with vertebrate animals must be pre-approved by the Los Angeles County Science Review Committee (SRC) *before* experimentation is begun.

Any project involving vertebrate animals must have clearly defined objectives requiring the use of animals to demonstrate a biological principle or answer a specific scientific proposition. Vertebrate animals, as covered by these rules, includes all live, non-human vertebrate, non-human mammalian embryos or fetuses, bird and reptile eggs within three days (72 hours) of hatching and all other non-human vertebrates at hatching or birth.

Projects involving vertebrate animals must be conducted with respect for life and an appreciation of humane considerations. The use of protista and other invertebrates is to be encouraged for most research involving animals. All projects involving vertebrate animals shall be conducted in compliance with the California Education Code and the International Science and Engineering Fair (ISEF) Rules and Regulations regarding procurement, housing, husbandry, and experimental conditions available at website:

<http://www.sciserv.org/isef/document/index.asp>.

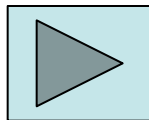
*Alternatives to the use of vertebrate animals for research must be explored and discussed in the Research Plan.*

1. Animals must be treated kindly and cared for properly. Animals must be housed in a clean, ventilated, comfortable environment compatible with the standards and requirements appropriate for the species. Animals must be given a continuous, clean (uncontaminated) water and food supply. Cages, pens and fish tanks must be cleaned regularly and appropriately. **Proper care must be provided at all times including weekends, holidays and vacation periods. Animals must be observed daily to assess their health and well-being.** A Designated Animal Care Supervisor is required to oversee the daily husbandry of the animals.
2. Research projects which cause pain or suffering to vertebrate animals or which are designed to kill vertebrate animals are prohibited.
3. The following types of studies on vertebrate animals are prohibited:
  - (a) All induced toxicity studies such as those using alcohol, acid rain, insecticide, herbicide, heavy metals, cosmetics, cleaning products, etc.
  - (b) Behavioral experiments involving operant conditioning with aversive stimuli mother/infant separation or induced helplessness.
  - (c) Studies of pain.
  - (d) Predator/prey experiments.
4. Because weight loss is one significant sign of stress, the maximum permissible weight loss or growth retardation (compared to controls) of any experimental or control animal is 15%.
5. If an experimental design requires food or water restriction, it must be appropriate to the species, but may not exceed 18 hours.
6. If there are unexpected deaths in either the experimental or control groups, the cause of the death must be investigated. If the experimental procedure is responsible for the deaths, the experiment must be immediately terminated.
7. The Research Plan for vertebrate animal studies must include the following:
  - (a) Justify why animals must be used, including the reasons for choice of species and the number of animals. Describe any alternatives to animal use that were considered and why those alternatives were unacceptable. Explain the potential impact or contribution this research may have on the broad fields of biology or medicine.
  - (b) Describe in detail how the animals will be utilized in the experiment. Include methods and procedures, such as experimental design and data analysis. Describe any experimental procedures in detail. Identify the species, strain, sex, age, weight, source and number of animals proposed for the project.
  - (c) The Research Plan shall also describe proposed methods of animal care, and demonstrate this compliance with California Education Code and ISEF Rules and Regulations regarding procurement, housing, husbandry, experimental conditions, and disposition of all animals expected to be used in the project.

#### Live Vertebrate Summary

Students conducting experiments with Live Vertebrate Animals must submit the following:

- a. Research Plan,
- b. Certification Form 601-068 for Junior Division or ISEF Certification Forms for Senior Division,
- c. Request for Approval Form (Submitted by Site Science Fair Coordinator)





## Section IV

### Regulations for Experiments with Live Vertebrate Animals

Any proposed changes in the Research Plan and Attachment by the student after initial SRC approval must have subsequent SRC approval before such changes are made and before experimentation resumes.

*Any project not conducted in conformity with these rules and regulations and the humane laws of the California Education Code will be disqualified from competition and display. If a project is disqualified because of animal suffering through mistreatment or neglect, the appropriate law enforcement authorities will be notified.*

For additional information concerning these rules, regulations and Certification Forms, contact:

Dean Gilbert, Science Consultant  
Los Angeles County Science Fair  
LACOE  
9300 Imperial Hwy.  
Downey, CA 90242  
Phone: (562) 922-6896 or (562) 401-5486  
Email: Gilbert\_Dean@lacoedu

#### California Education Code Requirements for Experiments with Animals

Any student research involving animals must comply with the requirements of the State of California Education Code Title 2, Division 2, Part 28, Chapter 4, Article 5, 51540:

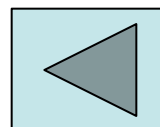
In the public elementary and high school sponsored activities and classes held elsewhere other than on school premises, live vertebrate animals shall not, as part of a scientific experiment or any purpose whatever:

- (a) Be experimentally medicated or drugged in a manner to cause painful reactions or induce painful or lethal pathological conditions.
- (b) Be injured through any treatments, including, but not limited to, anesthetization or electric shock.

Live animals on the premises of a public elementary or high school shall be housed and cared for in a humane and safe manner.

The provisions of this section are not intended to prohibit or constrain vocational instructions in the normal practices of animal husbandry.

Website: <http://www.leginfo.ca.gov/cgi-bin/calawquery?code=edc&codebody=&hits=20>



**Los Angeles County Science and Engineering Fair  
Research Plan for Experiments with Tissue and/or Vertebrate Animals  
Certification Form 601-068**

Student(s) Name (Last, First)		Home Phone No.
School	Site Science Fair Coordinator's Name	
District		
Home Mailing Address		
Email		
Project Title		

**RESEARCH PLAN**

**PROJECTS INVOLVING TISSUES**

**Objective/Problem/Hypothesis:**

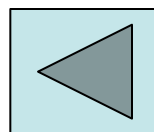
**PROJECTS INVOLVING  
VERTEBRATE ANIMALS**

1. Type of tissue/cell line, organ or organ parts, species, age and number of animals:
2. Intended disposal of bio-hazardous materials, tissue, and/or vertebrate animals (including post-research homes for live animals). Specify institutional procedures for management of materials.  
*Protocol # is not sufficient.*
3. Cite evidence of search for alternative to vertebrate animal use (i.e. use of bacteria, plants or invertebrates):
4. Bibliographic References (*a minimum of 3 references, not exclusively Internet*):

**Procedure/Research Techniques**

(Attach additional pages if needed)

Provide a clear and detailed description/outline of proposed procedure, including equipment to be used, safety measures, description of humane treatment of vertebrate animals and/or specific use of tissue samples, if applicable. Actual "procurement of and experimentation with" tissues and/or vertebrate animals is not allowed prior to the approval of this Research Plan by the Science Review Committee (SRC) of the Los Angeles County Science Fair.



## Certifications for Experiments with Tissues/Cell Lines and/or Vertebrate Animals

### (1) Certification by Teacher/Advisor

PROJECTS INVOLVING TISSUES

PROJECTS INVOLVING  
VERTEBRATE ANIMALS

I have read the research plan and agree to sponsor the named student and assume responsibility for compliance with the existing laws, rules and regulations pertaining to tissue samples and/or vertebrate animals.

Type or Print Name	Signature of Teacher/Advisor	Date Signed
Name of Institution	Position /Title	
Address of Institution	Telephone No.	

### (2) Certification by Biomedical Scientist

I certify that I have reviewed and approved the Research Plan; that if the student or Designated Adult Supervisor is not trained in the necessary procedures, I will ensure his/her training. I will assure the requirements of the California Education Code and Los Angeles County Science & Engineering Fair regulations are fully met; that I will provide advice and supervision personally or through a Designated Adult Supervisor throughout the project; and, that I am a qualified scientist with working knowledge of the techniques to be used by the student in this research.

Type or Print Name	Signature of Biomedical Scientist	Date Signed
Name of Institution	Position/Title	Earned Degree
Address of Institution	Telephone No.	

### (3) Certification by Person Providing Tissue Samples (Required for Projects Involving Tissue Samples)

I certify that the tissue samples listed in the Research Plan were provided by my institution, from a continuously maintained tissue culture line, without the direct involvement of the student.

Type or Print Name	Signature of Person Certifying Samples	Date Signed
Name of Institution	Position/Title	
Address of Institution	Telephone No.	

### (4) Certification by Animal Care Supervisor (Required for all Vertebrate Animal Projects)

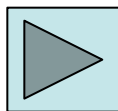
I certify that I have reviewed and approved the Research Plan and will supervise and accept primary responsibility for the quality of care and handling of live vertebrate animals used by the student. I further certify that I have read and understand the rules and regulations of the Los Angeles County Science & Engineering Fair and the International Science & Engineering Fair, as well as the California Education Code.

Type or Print Name	Signature of Animal Care Supervisor	Date Signed
Name of Institution	Position/Title	
Address of Institution	Telephone No.	

### (5) Certification by Designated Adult Supervisor (Required for All Projects Involving Tissues or Vertebrate Animals)

I certify that I have reviewed and understand the Research Plan and have been trained in the techniques to be used by the student. I will provide direct supervision of the student for the project.

Type or Print Name	Signature of Adult Supervisor	Date Signed
Name of Institution	Position/Title	
Address of Institution	Telephone No.	



**Los Angeles County Science and Engineering Fair  
Human Subject Research Plan and Consent Form  
Certification Form 601-068**

Student(s) Name (Last, First)		Home Phone No.
School	Site Science Fair Coordinator's Name	
District		
Home Mailing Address		
Email		
Project Title		

**Instructions to the Student Researcher:** An informed consent form such as the one below should be developed in consultation with the Adult Sponsor (Site Science Fair Coordinator), Designated Supervisor or Qualified Scientist. This form is used to provide information to the research subject (or parent/guardian) and to document written informed consent, and/or parental permission.

**Human Subject Questionnaire**

**I am asking for your voluntary participation in my science fair project. Please read the information about the project. If you would like to participate, please sign in the appropriate space below.**

**Purpose of the project:**

**If you participate, you will be asked to:**

**Time required for participation:**

**Risks:**

**Benefits:**

**How confidentiality will be maintained:**

**If you have any questions about this study, feel free to contact:**

**Adult Sponsor (Site Science Fair Coordinator):** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Email:** \_\_\_\_\_

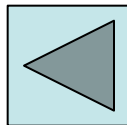
**By signing this form I am attesting that I have read and understand the information above and I freely give my consent to participate or permission for my child to participate.**

**Adult Informed Consent** \_\_\_\_\_ **Date Reviewed & Signed:** \_\_\_\_\_

**Printed Name of Research Subject:** \_\_\_\_\_ **Signature:** \_\_\_\_\_

**Parental/Guardian Permission (if applicable)** \_\_\_\_\_ **Date Reviewed & Signed:** \_\_\_\_\_

**Parent/Guardian Printed Name:** \_\_\_\_\_ **Signature:** \_\_\_\_\_



# 61<sup>st</sup> Annual Los Angeles County Science Fair 2010-2011 DEADLINES

## DEADLINES

Wednesday, *September 29, 2010	Fall submission of proposed Student Research Plans involving tissues, human subjects and/or vertebrate animals.
Monday-Friday October 18-22, 2010	Notification sent to Site Science Fair Coordinator regarding approval/disapproval of Student Research Plans.
Monday *December 6, 2010	Winter submission of proposed Student Research Plans involving tissues, human subjects and/or vertebrate animals.
Monday-Thursday December 13-17, 2010	Notification sent to Site Science Fair Coordinator regarding approval/disapproval of Student Research Plans.
Monday January 3, 2011	<i>Student Online Registration Opens</i>
Tuesday January 11, 2011	<i>Final Deadline</i> for re-submission of Revised Student Research Plans involving tissues, human subjects and/or vertebrate animals.
Monday-Thursday January 17-21, 2011	Notification sent to Site Science Fair Coordinator regarding approval/disapproval of Revised Student Research Plans.
Friday – 5:00 P.M. January 14, 2011	<i>School and Site Coordinator Online Registration Closes.</i>
Friday February 18, 2011 *	Deadline for any changes in procedure or protocol for Certification Form 601-068 or ISEF Form. <i>*(Not applicable to all students.)</i>
Wednesday, 11:59 P.M. March 23, 2011	<i>Student Online Registration and Volunteer Online Registration Closes.</i>
Friday – 5:00 P.M. March 25, 2011	<i>Final Deadline-</i> Site Science Fair Coordinator must verify <u>online</u> the final list of student participants.

