Parent/Guardian Consent for a Minor in Laboratories

SECTION 1: PARTICIPATING MINOR *(hereinafter referred to as "participant")*:

Name: _____, _____
(Last Name) (First Name)

Age: _____ Date of Birth: _____ Gender: ☐ Female ☐ Male
(Mo/Day/Yr)

Address: _____
(Street Address)

_____ _____
(City, State, and Zip Code) (Telephone No.)

PARENT/GUARDIAN OF PARTICIPATING MINOR: I, the undersigned Parent/Guardian of the above specified participant, acknowledge that I understand and hereby consent and agree as stated below. The named participant may observe or participate in laboratory and/or field study activities at Saint Louis University (SLU) summarized in the remaining sections of this form and will follow all applicable SLU policies and safety requirements, under the direction of the SLU Faculty Sponsor named below, and other designated lab supervisors listed.

PENDING SLU/EHS APPROVAL: On-campus participation at SLU by minor participants in programs listed in Section 5. below may be considered for review and approval by SLU/EHS. Sponsoring faculty members, high school officials *(for reason 5.[G] or 5.[H])*, minor participants and parents of minor participants must provide appropriate certifications as applicable elsewhere in FORM A or FORM B, including regarding the minor's adherence to applicable University policies and safety requirements while on campus, to be enforced by the sponsoring faculty member.

SECTION 2: SLU FACULTY SPONSOR

_____ _____
(Sponsoring Faculty Member/Researcher) (Department)

SECTION 3: LAB SUPERVISION of MINOR(S)

_____ _____
(Other Designated Lab Supervisor of Minor – If applicable) (Department)

_____ _____
(Other Designated Lab Supervisor of Minor – If applicable) (Department)

_____ _____
(Other Designated Lab Supervisor of Minor – If applicable) (Department)

SECTION 4: DURATION OF MINOR'S PARTICIPATION

Start Date of Minor(s): _____ **End Date of Minor(s):** _____
(Mo/Day/Yr) **(Mo/Day/Yr)**

Daily Start Time: _____ **Daily End Time:** _____

SECTION 5: PROGRAM PARTICIPATION

A. Group Events Involving Minor Participants in Research Labs

☐ **[1] Special Tour** *(specify specific organization):* _____

☐ **[2] Scouts** *(specify specific organization)*: _____

B. High School Students – On Campus Individualized Research Lab Experiences

☐ **[A] UMSL's – STARS** (Students and Teachers As Scientists) **Program**

☐ **[B] St. Louis Science Center – YES** (Youth Exploring Sciences) **Program**

☐ **[C] St. Louis Zoo Active ALIVE** (Leaders In Volunteer Education) **Program**

☐ **[D] Rockwood School District Project Interface**

☐ **[E] National Science Foundation (NSF) Program** (specify):

_____

☐ **[F] High School Student Volunteering** in Research Lab (no formal program affiliation)

☐ **[G] Science Fair Project** *(that is part of an official school program – must complete High School information below)*

☐ **[H] Area High School Research Project** *(required for high school grade/credit – must complete High School information below)*

☐ **[I] Other:** _____

SECTION 6: HIGH SCHOOL INFORMATION (Required to be completed for [G] and [H] above.)

Name of Sponsoring School: _____

High School Official: _____ _____
(Name) **(Title)**

_____ _____
(Signature) **(Date)**

Contact Information: _____ _____
(Email) **(Phone)**

SECTION 7: LABORATORY LOCATIONS *(Specify campus locations at which activities will take place.)*

_____ _____
(Building) **(Room Numbers)**

_____ _____
(Building) **(Room Numbers)**

FIELD WORK: (*Specify locations/addresses and/or description, if applicable, where field work will take place)*

SECTION 8: PROJECT TITLE, DESCRIPTION of PROJECT, AND ROLE OF MINOR(S) in PROJECT

A. Project Title:

B. Description of Project: ☐ See text box below. ☐ See additional page(s) attached.

C. Role of the Minor(s) in this Project: ☐ See text box below. ☐ See additional page(s) attached.

SECTION 9: PARENT/GUARDIAN & MINOR PARTICIPANT AGREEMENT *(inclusive of all pages)*

Some laboratory facilities at SLU or field study locations are potentially hazardous environments. Even under ideal conditions, including the proper use of materials and adherence to safety procedures, a risk of personal injury exists. The attached Potential Hazard Information Table provides the most common potential hazards, but it is not intended to be an exhaustive list. Failure to adhere to established procedures may result in even greater risk. The participant will receive appropriate training concerning how to identify hazards and how to work safely with materials, equipment, and animals (if applicable) and will be supervised in the handling of instrumentation, materials, and animals that may pose a risk. I understand that the participant may be removed from the project on a temporary or permanent basis if he or she refuses or is unable to follow safety rules***, applicable University policies and safety requirements,*** wearing assigned personal protective equipment, or performing activities as directed.

Prior to the minor's participation, I agree to notify the above-named SLU Faculty Sponsor or designated lab supervisor of:

1. Any allergies or other physical, mental, or emotional condition that might limit the participant's ability to safely participate in activities in the laboratory.
2. Any positive COVID-19 test result for the minor participant in the two weeks prior to the designated start date.

During the period of the minor's participation, I agree to report to the above-named SLU Faculty Sponsor or designated lab supervisor if the minor participant is confirmed to be COVID-19 positive, and will keep the minor participant at home.

I give permission to Saint Louis University, its physicians, faculty and staff members, agents, and services to provide such emergency care and treatment to the minor participant as in their judgment may be deemed necessary or may be advisable in the event that the minor should require emergency care while participating in the project at SLU. I agree to assume the costs of such emergency care and treatment if any such costs are incurred.

In consideration of the opportunity of the above named minor to observe or participate in these activities, I agree to indemnify, release, defend, and hold harmless the Board of Trustees of Saint Louis University, Saint Louis University, its administration, faculty, staff and agents from any and all claims, suits, and damages relating to, or arising out of, the minor's participation in the project, excepting only claims, suits, and damages arising out of the sole negligence of the University.

Signature of Parent/Guardian: _____ Date: _____ (Mo/Day/Yr)

Printed Name of Parent/Guardian: _____

Daytime Phone of Parent/Guardian: _____ Cell Phone: _____

Emergency Contact (other than parent): _____

Emergency Contact Daytime Phone: _____ Cell Phone: _____

Witness Signature: _____ Date: _____ (Mo/Day/Yr)

Printed Name of Witness: _____

MINOR PARTICIPANT AGREEMENT: I, the above-named minor participant on page 1 of this form, undersigned below, agree to follow the safety rules and procedures, including applicable University policies and requirements, reviewed with me by my Sponsoring Faculty Member/Researcher, the Designated Supervisor and any other Saint Louis University faculty or staff member. While working in SLU laboratories, I agree to wear at all times necessary the personnel protective equipment prescribed for me by any of these individuals as required for my safety. I will not engage in any rough, boisterous, or rowdy play ("horseplay") at any time during my visit. I will be attentive to all instructions from my sponsoring SLU Faculty Member/Researcher and the Designated Supervisor.

Signature of Minor Participant: _____ Date: _____ (Mo/Day/Yr)

[It is the responsibility of the Sponsoring Faculty Member/Researcher to obtain the appropriate signatures and to return the signed FORM B *(all 7 pages)* to Environmental Health and Safety, Caroline Building, Suite C305.]

SAINT LOUIS UNIVERSITY

Potential Hazard Information Table*

[*This table is to be used as a reference for the form: Parent/Guardian Consent for a Minor in Laboratories]
[Version 2023-05-01]

Potential Hazards	General Information	Example
Animal	Research animals represent a variety of species, temperaments, and health conditions. They can cause physical injuries, transmit zoonotic diseases (diseases passed from animals to humans); or be a source of allergens or toxins.	Scratch, bite (physical injury) Rabies, toxoplasmosis (zoonotic disease)
Chemicals	A chemical is a refined compound that may be in the form of a solid, liquid, or gas. Potential injuries include burns of the skin or eyes, respiratory problems; allergic reactions; irritation of skin, eyes, and mucous membranes; and illness. Based on their specific effect, chemicals may be classified in one or more of these categories: • Allergens – cause of allergic reactions • Carcinogens – produce cancer • Teratogen – affect male and female reproductive systems; may cause birth defects in the developing fetus. • Flammables – burn or explode • Reactives – react explosively • Corrosives – cause tissue damage upon contact including inhalation • Toxins – cause illness or death upon exposure. (Neurotoxins specifically affect the nervous system).	Benzene (carcinogen) Thalidomide (teratogen) Acetone, xylene, alcohol (flammables) Peroxides, acrylamide (reactives) Acids, bases (corrosives) Cyanide (toxin)
Equipment and Instrumentation	Potential hazards from mechanical or electrical equipment include loud noises, very high or very low temperatures, electrical shock, pinching/crushing injuries.	Autoclaves/sterilizers (burns)
Gases	Gases may be toxic, corrosive, or flammable. They may cause eye and skin irritations, respiratory problems, light-headedness, asphyxiation, and fainting. Some gases are stored in metal cylinders under high pressure. Compressed gas cylinders can explode causing injury from high speed projectiles.	Nitrogen, helium, any other non-oxygen gas (asphyxiant) Hydrogen (flammable) Ammonia (toxic)
Lasers	Light of a single color emitted in a narrow beam. Hazards from lasers are classified as: • Class 1 - No hazard. • Class 1M – No hazard unless the beam is viewed with an optical instrument (e.g. eye-loupe or telescope). • Class 2 – Insufficient power to cause eye damage within the normal aversion response time. • Class 2M – Insufficient power to cause eye damage with the normal aversion response and beam is viewed with an optical instrument (e.g. eye-loupe or telescope). • Class 3R – Some direct and indirect viewing (specular reflection) can cause eye injury, does not pose a fire hazard or diffuse viewing hazard. • Class 3B – Direct and indirect viewing (specular reflection) of the beam can cause eye injury. • Class 4 – Direct and indirect (specular and diffuse reflection) viewing of the beam can cause eye injury. Can cause skin injury, is a potential fire hazard, may produce hazardous laser generated air contaminants and plasma radiation.	Nitrogen lasers (Class 3B) Examples of Class 4 lasers used: • Ophthalmology • Surgery
Microbiological Agents	Living organisms such as viruses, bacteria, fungi, prions, and parasites. Those that are capable of causing disease are called pathogens. The effects of these agents are organism dependent and can range from mild, treatable to severe, to untreatable. Hazards from microbiological agents are classified as: • Biological Safety Level 1 – No hazard to healthy adults • Biological Safety Level 2 – Cause mild to severe illness • Biological Safety Level 3 – Cause severe illness and possible death • Biological Safety Level 4 – Not allowed at SLU.	Bakers Yeast, E. *Coli K12* (Level 1) Adenovirus, Influenza, *Salmonella*, HIV (Level 2) *Mycobacterium tuberculosis*, SARS virus, (Level 3)
Radiation/Radioactive Materials	High energy particles (alpha & beta) or waves (X-rays and gamma rays). Unprotected exposure can cause skin or eye damage, cellular damage, and long-term health problems.	Uranium, Phosphorous 32, Iodine 125 X-rays
Recombinant Materials	DNA that has been genetically engineered (altered) by combining it with DNA from another source. Viruses may be used as vectors to infect (transfect) cells with the foreign DNA. A transgenic organism is one that has had genes from another organism inserted into its genes. The consequences of introducing such foreign genes into human body may be difficult to predict.	Adenovirus, adeno-associated virus (viral vector)
Toxins (Biological)	Poisons produced by microbiological organisms, plants, or animals. These agents can cause tissue and organ damage or death.	Ricin (plant), Snake venom (animal), Botulinum neurotoxin (bacteria)