# Risk Assessment Form (3)

**Must be completed before experimentation.**

Student's Name(s) Jordan Klein

Title of Project Prevalence of Tick-Borne Diseases in Fire Island Deer Ticks

**To be completed by the Student Researcher(s) in collaboration with Designated Supervisor/Qualified Scientist:**
(All questions must be answered; additional page(s) may be attached.)

1. List all hazardous chemicals, activities, or devices that will be used; identify microorganisms exempt from pre-approval (see Potentially Hazardous Biological Agent rules).

   Ethanol, agarose gel for electrophoresis, and aqueous buffers for DNA isolation and PCR will be used. Nucleic acid primers and probes will also be used. Nucleic acids will be given to Jordan already extracted from frozen ticks.

2. Identify and assess the risks involved in this project.

   Fundamentally, there will be no risks, but Jordan will be trained in the use of all equipment, sterile techniques, and use of class II biosafety cabinets.

3. Describe the safety precautions and procedures that will be used to reduce the risks.

   Jordan will have to use a lab coat and gloves at the bench or biosafety cabinet.

4. Describe the disposal procedures that will be used (when applicable).

   All materials will be disposed of in red bag (biohazard) containers as per the policy of the Centers for Molecular Medicine

5. List the source(s) of safety information.

   Jordan will have to read all the safety material associated with all reagents used in the project. Safety information techniques are sourced from University and Centers policies, as well as Material Safety Datasheets.

**To be completed and signed by the Designated Supervisor (or Qualified Scientist, when applicable):**
I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Summary and will provide direct supervision.

| Jorge Benach | | 02/04/2019 |
|---|---|---|
| Designated Supervisor's Printed Name | Signature | Date of Review (mm/dd/yy) |
| Professor, Stony Brook University | | jorge.benach@stonybrook.edu |
| Position & Institution | | Phone or email contact information |

I am a published researcher and professor and I head a microbiology laboratory.

Experience/Training as relates to the student's area of research