SDSU Institutional Biosafety Committee
Experiments Requiring IBC Review

The IBC is responsible for reviewing all research activity involving:

- **Recombinant and synthetic nucleic acid molecules and the cells, organisms and viruses containing such molecules. This includes the purchase, creation, or use of any transgenic material.**
    - Exceptions: *in vitro* use of nucleic acids (i.e. PCR, DNA sequencing) that does not involve the cloning and propagation of recombinant DNA in cells

    [*] ***Recombinant and synthetic nucleic acid molecules are defined as:***

    i. *Molecules that are a) constructed by joining nucleic acid molecules and b) that can replicate in a living cell i.e., recombinant nucleic acids;*
    ii. *Nucleic acid molecules that are chemically or by other means synthesized or amplified including those that are chemically or otherwise modified but can base pair with naturally occurring nucleic acid molecules i.e., synthetic nucleic acids, or*
    iii. *Molecules that result from the replication of those described in i. or ii. above.*

- **Biological microorganisms, regardless of Risk Group (e.g. bacteria, viruses, fungi, protozoa, prions, cell lines)**
    - Includes any human, animal, and/or plant pathogen
- **Human or non-human primate source materials**
    - Includes cell lines (established or primary), tissues, blood, blood products, body fluids
    - Exceptions: materials that were fixed prior to receipt
- **Toxins (possession, use, and/or transfer)**
    - With an LD_{50} of 100 microgram/kilogram body weight or less
    - Any newly discovered toxin for which the LD_{50} has not been determined
    - Any toxin covered under the NIH Guidelines (any experiment involving the cloning of toxin molecules with an LD_{50} of less than 100 nanograms per kilogram body weight)
- **Animals or animal derived products that harbor zoonotic agents (e.g. wild trap animals, fecal samples from wild rodents)**
- **Plants or plant products that are non-indigenous or noxious weeds**
- **Large scale cultures of over 10 liters in one vessel**
- **Environmental samples collected from areas that may contain infectious agents**

IBC Approved 11-14-18