

Research Involving Humans, Animals, Radioisotopes or Recombinant DNA/Transgenic Organisms

If human subjects, animals, radioisotopes, or recombinant DNA/transgenic organisms are involved in students' research, these students must also satisfy other federally- and state-mandated requirements prior to initiating the research. These requirements are administered by the Marquette University Office of Research Compliance (ORC).

- For human subjects, students must submit a protocol for review and approval by the Marquette University Institutional Review Board prior to initiating the project. **Note:** IRB approval may take up to a month or more.
- For animal research, students must be properly trained and listed as personnel on a faculty member's active Institutional Animal Care and Use Committee-approved animal protocol. Students are not allowed to serve as principal investigators on Marquette University animal protocols.
- For radioactive material use, only authorized users are allowed to obtain this material. Students must complete the training to become a radiation worker; radiation workers can work with radioactive materials only under the supervision of an authorized user.
- For recombinant DNA or transgenic organism research, students are only allowed to work with these materials while under the direct supervision of a faculty member who has received Institutional Biosafety Committee approval.

For more information about these four areas of compliance, including forms and submission procedures, refer to the ORC website (<https://www.marquette.edu/research-compliance/>). Students may contact the Office of Research Compliance for more information by phone at (414) 288-7570 (human subjects), (414) 288-1779 (radiation safety) or (414) 288-6271 (animals and biosafety). Approval of the outline by the Graduate School does not constitute approval by ORC. **Note:** Non-compliance may affect acceptance of students' projects as part of their degree.