

August 30, 2017

Animal Research at the National High Magnetic Field Laboratory (NHMFL)

The following information relates to the use of vertebrate animals at the NHMFL

The use of vertebrate animals in research, teaching, testing or exhibition at the National High Magnetic Field Laboratory is covered by Florida State University's (FSU) Public Health Service (PHS) Assurance. The provisions of the FSU Assurance must be adhered to regardless of funding source or user affiliation and applies to all use of live animals at the NHMFL. Oversight of vertebrate animal use is performed by the FSU Animal Care and Use Committee (ACUC). The Committee assures that all use of animals at Florida State University is in compliance with the Animal Welfare Act, the Public Health Service Policy on Humane Care and Use of Laboratory Animals, the Guide for the Care and Use of Laboratory Animals and all other applicable federal, state and local regulations, policies and procedures.

Investigators intending to use live vertebrate animals at the NHMFL have four options to ensure that all animal use is in compliance with federal, state and university regulations, policies and procedures.

- 1) For non-FSU faculty, a memorandum of understanding (MOU) between the researcher's home IACUC and the FSU ACUC can be established, provided that the non-FSU faculty has an approved IACUC protocol at their home institution and covering NHMFL work. The MOU outlines the respective authorities for the institutions with regard to live vertebrate animal use. The FSU ACUC will accept responsibility for oversight of housing, care and work with animals at the NHMFL. The home institution retains oversight for all other work performed under their animal use protocol. Any FSU faculty or staff (COLLABORATOR) performing or assisting with work on such a NHMFL project **must be** listed on the non-FSU faculty's protocol and approved by the home IACUC (figure 1).
- 2) Non-FSU faculty may perform vertebrate animal work under a FSU umbrella ACUC protocol under direct NHMFL supervision (SPONSOR). A MOU between institutions may be required as determined by the FSU ACUC. For this option, NHMFL resources, personnel and facilities only will be used to perform imaging and spectroscopy but no other animal related activities (i.e., no behavioral characterization, surgical procedures, etc.) (figure 2).
- 3) Non-FSU faculty may establish a full collaborative animal research project with a FSU faculty member (SPONSOR), requiring that an animal use protocol for the project be submitted and approved by the FSU ACUC (figure 3).
- 4) FSU faculty (SPONSOR) are required to submit an animal use protocol for any NHMFL projects, and this protocol must be submitted and approved by the FSU ACUC per standard practices (figure 4).



Research scientists proposing use of live vertebrate animals at the NHMFL must submit a user proposal to the appropriate NHMFL User Proposal Review Committee and request magnet time (as required by the NHMFL User Proposal Policy). The attached NHMFL animal use application form (table 1), which should be included in the NHMFL proposal and/or request for magnet time, must be completed and submitted to the NHMFL and FSU ACUC. Items necessary for vertebrate animal use must be submitted to the [FSU ACUC](#) for review and approval well in advance of any planned magnet time (up to three months may be required in some situations). Arrangements for ordering or receipt of animals and any special supportive care must be made through [FSU Laboratory Animal Resources](#).

Upon completion and acceptance of a NHMFL animal use application and NHMFL online proposal for experimentation, principal investigators (PI) should contact the facility coordinator (e.g., the director of the MRI User Program) for detailed information on how to use the NHMFL facilities and to make arrangements for non-animal related needs. Florida State University is committed to responsible oversight of the use of vertebrate animals in research, teaching, testing and exhibition. Information about the FSU ACUC and animal use oversight can be found at: www.research.fsu.edu/research-offices/acuc. For questions regarding how to submit the ACUC protocol, contact (NHMFLanimals@magnet.fsu.edu).

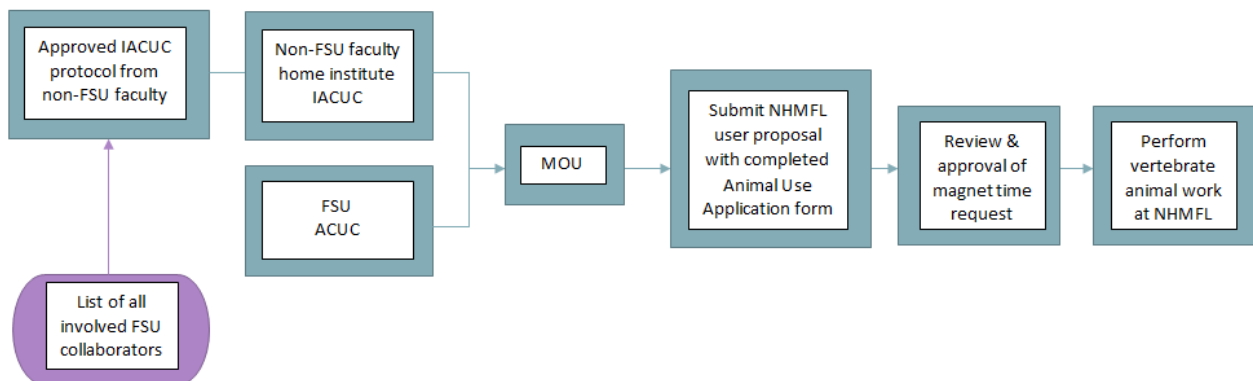


Figure 1. Workflow of FSU collaborators performing vertebrate animal work at NHMFL under approved IACUC protocol from non-FSU faculty.

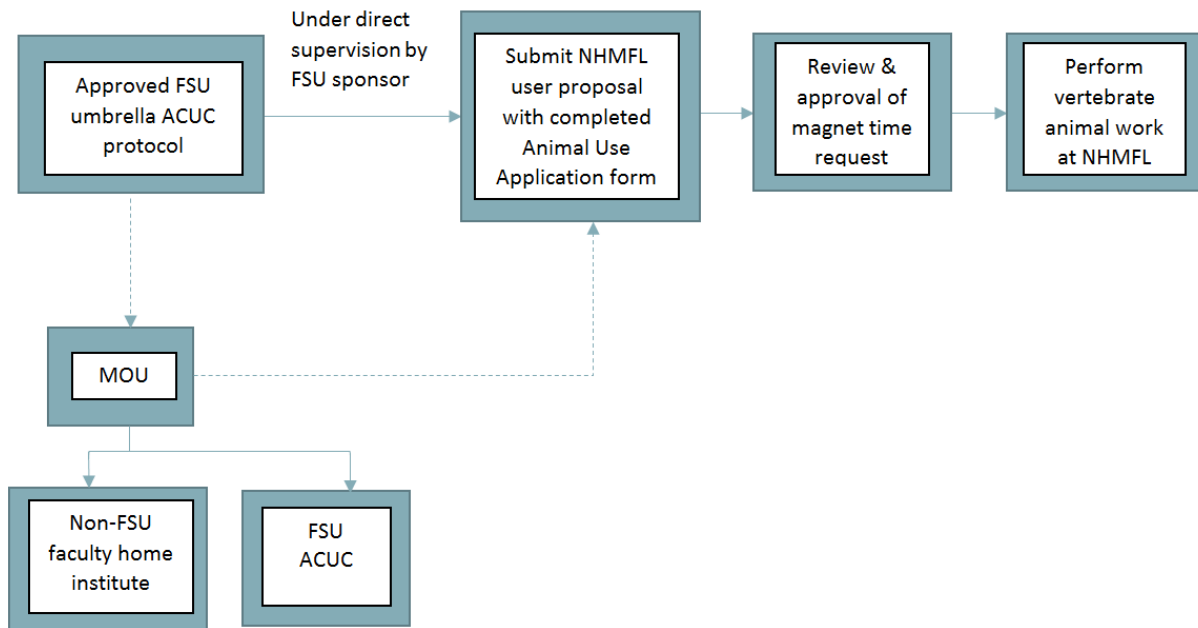


Figure 2. Workflow of non-FSU faculty performing vertebrate animal work at NHMFL under approved FSU umbrella ACUC protocol with direct supervision by FSU sponsor.

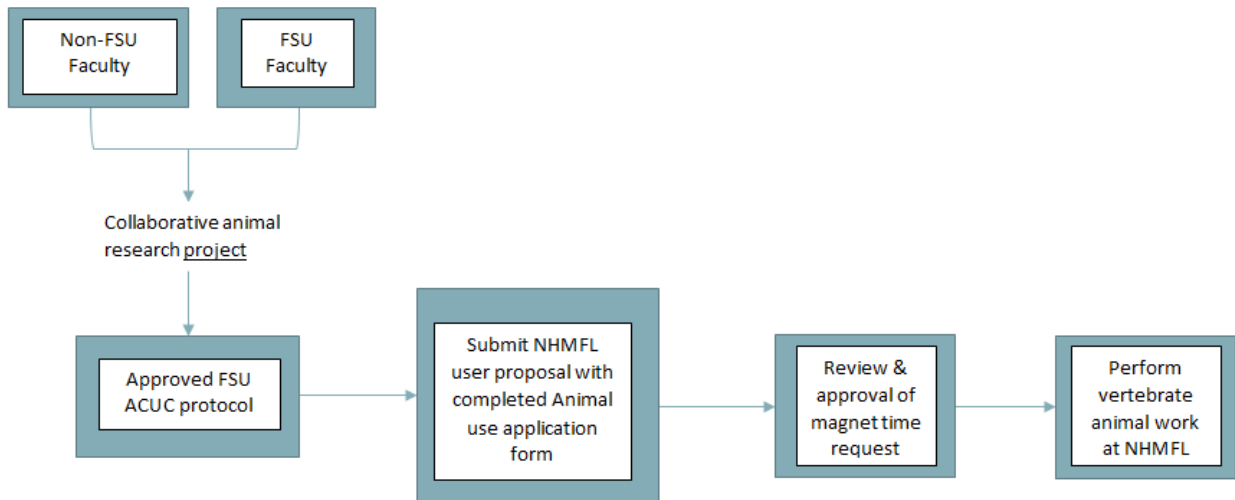


Figure 3. Workflow of non-FSU faculty and FSU faculty on a collaborative animal research project performing vertebrate animal work at NHMFL.

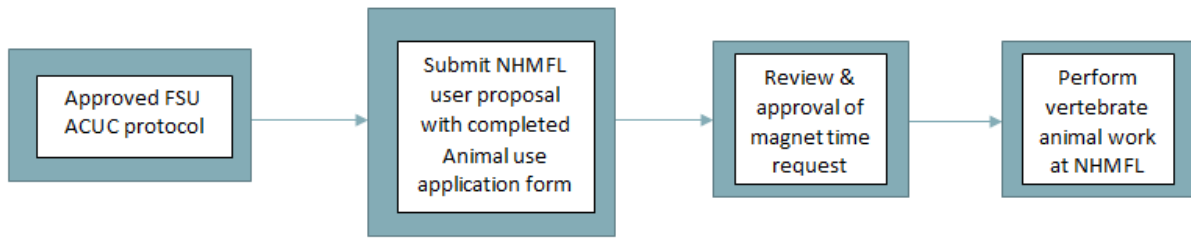


Figure 4. Workflow of FSU faculty performing vertebrate animal work at NHMFL.

Florida State University Institutional Animal Care & Use Committee
Review Of Proposed Animal Use At National High Magnetic Field Laboratory For Non-FSU Users

This form must be completed for all projects requesting magnet time that use live vertebrate animals.

Submit a copy of this form, the NHMFL User Proposal and, if applicable, a copy of the home institution's IACUC approved animal use protocol to ACUCSecretary@mail.fsu.edu. Review and inter-institutional administrative collaboration approvals may require several months; plan your timeline accordingly.

NHMFL User Proposal Number:

Non-FSU

Investigator:

E-mail Address:

Office Phone:

Cell Phone:

Home Institution:

NHMFL: Collaborator Sponsor Name:

Anticipated First Date Magnet Use For Animals:

List All Individuals That Will Be Handling Animals Or Having Animal / Animal Tissue Contact at the NHMFL For This Project

IACUC Approval For This Project

Is this project being performed under an umbrella FSU IACUC approval:

If no, institution providing IACUC approval:

Protocol Title:

Protocol Number:

Protocol Approval Date:

Home Institution IACUC contact

E-mail Address

Phone Number

Funding Information - Animal Related Charges

Funding Agency / Sponsor:

FSU Internally Funded:

Dept ID

Fund

Project

Non-FSU Funded (Please make arrangements with FSU Laboratory Animal Resources):

Table 1. Animal Use Application Form v180316