

DEPARTMENT OF ANESTHESIOLOGY

Research Application Instructions

The RESEARCH PROJECT APPLICATION template is intended to help the user with project design and management, and to alert the user to the various administrative issues, which research entails at this institution. One of the Research Committee's tasks is to facilitate this process.

Please use an up-to-date template of the application which is stored on the Anesthesiology Research website (<http://sitemaker.umich.edu/anesthesiology.research>) Once the form is completed, send it as an email attachment to Alan Tait (atait@umich.edu).

Form Instructions (line-by-line)

1. Investigators. Please include all co-investigators. Add additional lines as necessary.
2. Enter title of project
3. Select the appropriate response. Place cursor in the appropriate box that is applicable to the history of this proposal and type an "X"
4. Provide a narrative under each heading. Use as much space as needed (try to limit to 5 pages for responses to a-f).
 - a. Specific Aims. List the broad, long-term objectives and describe concisely what the specific research described in this application is intended to accomplish, and any hypotheses to be tested.
 - b. Background and Significance: Briefly sketch the background to the present proposal, critically evaluate existing knowledge and specifically identify the gaps which the project is intended to fill. State concisely the importance of the research described in this application by relating the specific aims to the objectives. Provide references and list in section f below.
 - c. Preliminary Studies: Describe any pertinent preliminary studies that you have completed and/or any other information that will help to establish the experience and competence of the investigator to pursue the proposed project.
 - d. Experimental Design and Methods: Describe the research design and detail the procedures to be used to accomplish the specific aims of the project. Describe any new methodology and its advantage over existing methodologies.
 - e. Data Collection and Analysis: Describe the means by which the data will be collected, analyzed and interpreted.
 - f. Literature Cited (list complete references cited above, including titles).

5. List requirements for assistance needed other than that of the co-investigators (e.g., one technician trained in running HPLC assays, one technician to help conduct experiment in OR, etc.)
6. Space Requirements: (e.g., The Core laboratory will satisfy all requirements, etc.)
7. Equipment needs: (e.g., ventilator, anesthesia machine, data-acquisition computer, etc.)
8. Project Duration: (e.g., the number of months; from then until then; x number of patients/animals per months for z months; {don't underestimate the set up time, data analysis, writing and editing; don't overestimate operating room and laboratory availability}, etc.)
9. Other Resources Needed: (e.g., for curve or drug analysis, outside help or contract may be needed; PI needs a block of time out of the OR to run the experiment every day for 4 weeks, etc.)
10. Budget Requirements:
 - a-d. Place cursor in the far right box and type in amount. Insert total budget the same way. Contact Elizabeth Brant at 7-2602 if you need assistance in preparing the budget).
11. Budget Justification: Provide a brief justification for items requested in the budget: (e.g., will be using x number of {species} at a cost of y each, per diem costs is z per day, quality assurance fees are now at 39.5% of animal costs). - List supplies and materials/equipment/other as needed and their estimated costs. If an unusual item is required for the protocol, please explain.
12. Why funds are being requested. To indicate response, click cursor in the appropriate box and type and "X".
13. Outside funding: Select appropriate response and place in X in the box. Provide information regarding outside funding (agency/submission date).
14. University of Michigan Review Committees:

IRB forms (Human Use): <http://www.med.umich.edu/irbmed/>. Alan Tait will provide advice if necessary, 3-8128.

ULAM forms (Animal Use): http://www.ulam.umich.edu/UCUCA_Doc.html. Ralph Lydic will provide advice if necessary, 7-7831.

Recombinant DNA Research:

<http://www.research.umich.edu/policies/um/committees/BRRC/BRRCFacilities.html>.

Radiation Safety Forms: <http://www.umich.edu/~oseh/rssforms.html>. Applications are on file which may offer assistance to you. Call Elizabeth Brant at 7-2602.

Non/FDA Approved Medications:

<http://www.med.umich.edu/irbmed/FederalDocuments/searchcfr.html>. Contact Pharmacy Services/Investigational New Drug section, 6-8204 for assistance.

Non-FDA Approved Device. Contact Biomedical Engineering Unit for necessary documents, at 6-5056.

15. Electronic Signature. Each Co-Investigator listed should be familiar with all aspects of this proposal.

Please type your name where signature is requested to signify that you have completed the application as required.

TO SUBMIT COMPLETED APPLICATION

Send as an enclosure to an email message to Alan Tait (atait@umich.edu).

Electronic submission of proposals allows us to distribute and review applications more efficiently.