

Services available from the SC TRIMH Preclinical Assessment Core

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| Initial Consultation | <ul style="list-style-type: none"> • Meet individually with researcher to determine the question they would like to answer. • Perform library research to determine whether established methodologies have been published. |
| Pilot study | <ul style="list-style-type: none"> • Assemble a team of people with necessary expertise and services for a meeting with the researcher to design a pilot study plan and assist researcher in preparing and submitting protocol for IACUC approval. • Schedule and perform pilot studies to develop, optimize, and assess reproducibility for imaging protocols. • Summarize pilot study findings and schedule meeting with researcher and statistician. |
| Experimental Study | <ul style="list-style-type: none"> • Assist in experimental protocol design. • Organize and participate in meetings between researchers and laboratory/clinical service agencies to develop agreements on expertise and equipment enhancements needed, organizing implementation of experimental procedures, purchasing animals, arranging for animal housing, recruiting human cadaver samples, cost estimates, and billing procedures. • Assist researcher in revising experimental protocols as needed to address IACUC and IRB concerns. • Facilitate interactions between researcher and research service laboratories as needed to complete data collection. Directly supervise diagnostic imaging procedures to ensure quality control. • Perform surgical procedures and implant testing in human cadaver samples. • Perform diagnostic imaging interpretations and analyses as needed by researcher. Include graduate students and undergraduate students as assistants. • Serve as mentor/co-author for papers and research grants as requested by researchers. • Assist research service laboratories with writing diagnostic imaging equipment specifications, requests for proposals, and developing quotes for purchase or upgrade imaging equipment needed for supporting research studies. • Serve as co-author for equipment grants to help support purchase costs. • Recruit animals and human cadaver samples for applications training sessions and work with technologists to design protocols anticipated for future research. |

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