
Research Development Policy

I. PURPOSE

- A. The mission of the Indiana Institute for Biomedical Imaging Science (IIBIS) is to promote human health through the application of advanced biomedical imaging technologies. This mission can only be achieved by promoting research that creates new knowledge and translates that knowledge to better prevent, diagnose, and treat human disease and disorders. Novel ideas with the potential to generate new knowledge and transform medicine are routinely heavily scrutinized and considered to be too high risk for financial support through traditional grant funding mechanisms. To uphold the IIBIS mission, an approach is needed that maximizes the utilization of scarce resources in support of high risk / high reward research.
- B. The purpose of this policy is to establish a mechanism that promotes the identification and support of high risk / high reward biomedical imaging science at an early stage where the likelihood of obtaining extramural funding through traditional mechanisms is very low. This policy establishes research development, analogous to the core technology development policy (IIBIS-2013-001), as critical factors in achieving the IIBIS mission. As such, research development expenses are considered part of the baseline cost associated with sustaining the long-term viability of IIBIS.
- C. The policy establishes guidelines for the review of high risk research projects and allocation of resources to support these projects during the early pre-extramural funding phase of the research. This policy will ensure that research development projects are properly vetted, have a compelling pathway to advance human health, are monitored for high levels of productivity, and properly leverage the use of scarce and expensive resources.

II. SCOPE

- A. IIBIS Research Development projects will advance early stage research to a point where it can either transition to traditional extramural research support or be terminated due to lack of demonstrated feasibility. The scope of this research development support mechanism is to cover expenses associated with performing imaging studies on IIBIS core facilities. Expenses for other components of this research such as subject recruitment, subject payment, ancillary data acquisition & analysis are the responsibility of the investigator.
- B. While Research Development Projects are viewed as an essential investment for

sustaining a scientific pipeline, IIBIS funding of a Research Development Project is not a substitute for investigator effort to secure possible extramural or institutional cost-sharing funds to specifically help advance a development effort related to their research interests. IIBIS research development project support is not intended to augment the funding level of an extramural grant nor is it intended to serve as bridge funding for projects that have lost extramural support.

III. EXCEPTIONS

- A. Any exception to this policy requires the approval of the Chairman of the Department of Radiology and Imaging Sciences or his/her designee.

IV. DEFINITIONS

- A. *Research Development Projects* - An early stage high risk ¹high reward project with the ultimate goal of improving human health. Development projects must delineate the following:
- High risk ¹high reward proposition
 - Defined sequence of milestones & project timeline
 - Defined extramural funding target & grant submission timeline
 - Shared expenses ¹resources being provided by the Principal Investigator
 - IIBIS In Vivo Imaging Core support commitment (see below)
- B. *Primary Department*- The home department of the Principal Investigator of the Project.
- C. *IIBIS Support Commitment*- A commitment must be made by the Chairman of the Primary Department to allocate the subsequent extramural indirect costs associated with project research imaging to IIBIS ¹Department of Radiology and Imaging Sciences to help offset the cost associated with funding the IIBIS research development program and ongoing expenses associated with maintaining the IIBIS core facility infrastructure.

V. POLICY STATEMENTS

- A. Proposals for the utilization of IIBIS resources must be submitted to the IIBIS Director.
- B. Research Development project submissions must follow the IIBIS Research Development Application Instructions. (Appendix A)
- C. An IIBIS support commitment letter from the Chairman of the PI's department must be provided with the application.
- D. Research development project applications will be reviewed by a small committee convened by the IIBIS Director. Members of this committee will be faculty from the Department of Radiology and Imaging Sciences and will be tailored to provide the appropriate expertise for the specific project applications. This committee will assess the importance of the proposed development project from the perspective

of expanding the base of funded projects utilizing IIBIS In Vivo Core facilities. The review committee will submit a recommendation for approval, scope of the project, and appropriate metrics for quarterly productivity assessment reviews to the IIBIS Director. Final approval for allocation of resources will be determined by a majority vote of the IIBIS Executive Committee.

- E. Access to core resources for research development projects will be provided at a reduced priority relative to grant funded and contracted projects. Imaging system time slots scheduled for research development project work can be bumped for funded studies up to **1** week prior to the scheduled day and time. Exceptions to the prioritization policy can be made in unique situations by the IIBIS Director.
- F. Ongoing allocation of resources to research development projects will be contingent on meeting defined goals and timelines.
- G. Investigators who fail to meet project timelines and/or grant submission timelines may no longer be eligible for future research development support.
- H. Number of research development projects supported at any point in time will be contingent upon the availability of IIBIS In Vivo Imaging Core resources.

VI. APPROVAL SIGNATURES



-Hutchins, PhD.
Director of IIBIS
Indiana University School of Medicine

2/21/13
Date



Valerie P. Jackson, M, FA R
Eugene C. Klatte Profe rand Chair
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2/21/13
Date