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**Scientific Programs and Funding Opportunities at the National Institute of Biomedical Imaging and Bioengineering**

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The mission of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) is to improve human health by promoting the development and translation of emerging technologies in biomedical imaging and bioengineering. To this end, NIBIB supports a coordinated agenda of research programs in advanced imaging technologies and engineering methods that enable fundamental biomedical discoveries across a broad spectrum of biological processes, disorders, and diseases and have significant potential for direct medical application. These research programs dramatically advance the Nation's healthcare by improving the detection, management and, ultimately, the prevention of disease. The research promoted and supported by NIBIB also is strongly synergistic with other NIH Institutes and Centers as well as across government agencies. This presentation will provide an overview of the scientific programs and funding opportunities supported by NIBIB, highlighting those that are of particular important to the field of medical physics.