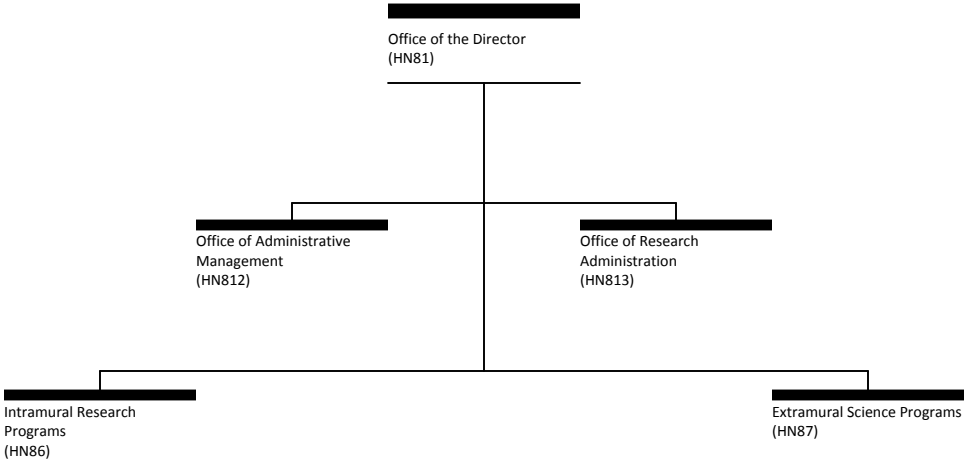
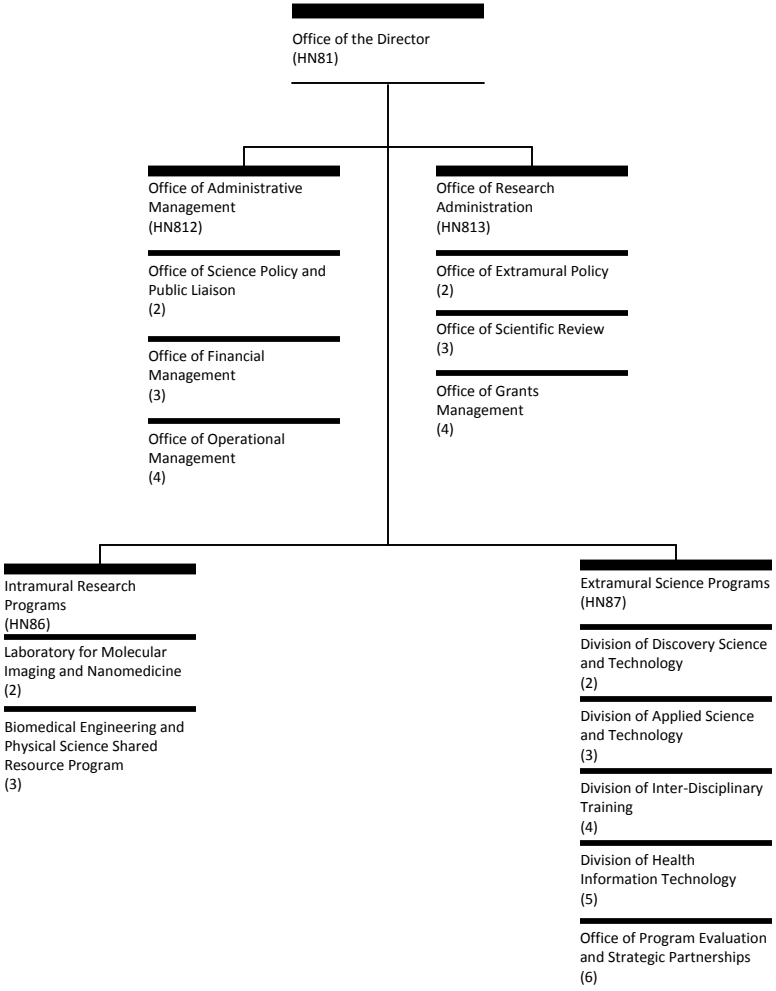
National Institute of Biomedical Imaging and Bioengineering



The general purpose of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) is to conduct, coordinate, and support research, training, dissemination of health information, and other programs with respect to biomedical imaging, biomedical engineering, and associated technologies and modalities with biomedical applications. Specifically, NIBIB—

- Researches and develops new techniques and devices with respect to biomedical imaging and bioengineering resulting in more effective interventional procedures applicable to a broad spectrum of diseases;
- Conducts related research in physics, engineering, mathematics, computer science, and other disciplines to develop crosscutting capabilities in biomedical imaging and bioengineering;
- Performs technology assessments and outcome studies in order to evaluate the effectiveness of biologics, materials, processes, devices, procedures, and informatics;
- Advances existing imaging and bioengineering modalities, including imaging, biomaterials, and informatics;
- Coordinates research in techniques broadly applicable for screening for diseases and disorders;
- Develops target-specific agents that will enhance images and have potential to identify and delineate a broad spectrum of diseases;
- Develops advanced engineering and imaging technologies and techniques for research from the molecular and genetic levels to the whole organ and body levels;
- Coordinates the activities of NIBIB with related activities of other NIH Institutes and Centers and with other Federal agencies; and
- Coordinates the activities of Congressionally mandated committees and advisory councils in the area of biomedical imaging and bioengineering.

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