



Mission:

co-ordinate and support the development of biomedical imaging technologies and the dissemination of knowledge with the ultimate goal of improving diagnosis, treatment and prevention of disease

EIBIR – European Institute for Biomedical Imaging Research

Mission and Objectives

The European Institute for Biomedical Imaging Research (EIBIR) was formally established in January 2006 as a non-profit limited liability company dedicated to the co-ordination of research in Europe. EIBIR has its head office in Vienna, at the headquarters of the European Society of Radiology (ESR). The mission of EIBIR is to create a network of European biomedical imaging institutes, co-ordinate the development of biomedical imaging technologies within Europe and support the dissemination of knowledge with the ultimate goal of improving diagnosis, treatment and prevention of disease.

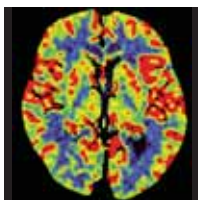
The establishment of EIBIR was supported by an FP6 grant under the Life Science programme. EIBIR is managed by a Managing Director (Peter Baierl, Vienna), backed by the Vienna Office as well as by the Scientific Director (Prof. Jürgen Hennig, Freiburg) who chairs the Scientific Advisory Board and is elected by the General Meeting. EIBIR currently has around 200 member institutions, made up by clinical departments (approx. two thirds) and basic science laboratories.

For more information, please visit www.eibir.org.

The objective of EIBIR is to ensure the pooling of resources among members to promote a culture of cooperation between them. This will generate critical mass and help coordinate research into new instrumentation, new methods, concepts and technologies. EIBIR will pursue research in biomedical imaging technologies on all levels:

- molecular imaging to understand the molecular basis of disease and to develop molecular markers for preclinical and clinical research with the ultimate goal to develop applications for diagnosis and therapy management.
- imaging on cells, cell agglomerations, organ substrates and small animals to understand molecular, physiological, functional and morphological interactions of normal and pathological living tissues, organs and organisms.
- imaging of animal models to understand disease and to develop therapeutic strategies for translation into human applications.
- the use of imaging in drug development in preclinical and clinical research.
- clinical research into the development of image based strategies to optimize patient outcome.
- the development of imaging biomarkers for rational diagnosis and therapy management.
- research into new methods and technologies for imaging and image processing.

The EIBIR is an intrinsically multidisciplinary effort with the aim to bridge the gap between basic and clinical research, technological and pharmacological development.



For success in this research area it is necessary to create true multi- and inter-disciplinary research environments where medical doctors, physicists, chemists, mathematicians, molecular biologists, computer scientists and other technologists and technicians work closely together on the same research projects. This can only be obtained through long-term funding of large research projects. In most cases close collaboration between universities and major research centres is necessary to obtain the wide range of high-level competence, to achieve a research environment of sufficient size, and to obtain the necessary funding of infrastructure and large research projects.

A particular challenge is to obtain increased collaboration between imaging specialists (radiologists and nuclear medicine physicians) and the clinicians with knowledge about different organs systems and disease entities. The latter group also knows the special needs of imaging in relation to the diseases areas they care and the workflow in clinical departments.

Close collaboration with pharmaceutical industry, system manufacturers and information technology is a key element to translate new insight gained through biomedical imaging research into biomedical and clinical applications. EIBIR will provide input at early stage of industrial development to translate scientific insight into industrial innovation.

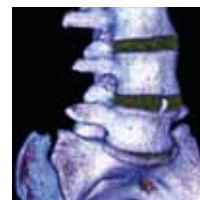
The activities that EIBIR will undertake to promote the cooperation between its organizations will include:

- Development of a coordinated research plan for EC 7th FP.
- Involvement in the definition of a European Research Plan including large infrastructures for biomedical imaging research (EIBIRI).
- Definition, organization and management of joint or common initiatives.
- Exchange and dissemination of good practice.
- Exchanges of personnel and research education (MSc, PhD).
- Creation of databases on technical infrastructures, scientific expertise, activities, etc.
- Coordination of multi-centre trials.
- Organisation of conferences, meetings, training courses.

EIBIR will develop a structure that is conducive to networking activities in research and will be key to spreading good practice, promoting common initiatives and interoperability in the field of research.

EIBIR will initiate activities on key topical areas through its Executive and Scientific Advisory Board. Even more important it will facilitate activities initiated by its membership and provide support for communication, organisation and coordination of member activities.

The EIBIR will also generate publicity concerning new opportunities for access and training courses for potential users.





SIXTH FRAMEWORK PROGRAMME