

The Institute for Biotechnology and Bioengineering (IBB)

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IBB-Institute for Biotechnology and Bioengineering.

The Laboratório Associado **Institute for Biotechnology and Bioengineering (IBB)** is a research unit aiming to be a strategic infrastructure for the development of the Portuguese R&D and innovation policies in the areas of Biotechnology, Bioengineering, Biomaterials and Life, Biomedical and Agricultural Sciences. IBB combines its R&D activities with advanced higher education, technology transfer, consulting and services, with the aim of fostering the industrial, health, agriculture and environmental sectors.

IBB is a nation-wide Institution and a partnership of Instituto de Biotecnologia e Química Fina at Instituto Superior Técnico, the leader research unit, Universidade do Minho; Grupo de Investigação 3B's-Biomateriais, Biodegradáveis e Biomiméticos, Universidade do Minho; Centro de Genética e Biotecnologia, Universidade de Trás-os-Montes e Alto Douro; and Centro de Biomedicina Molecular e Estrutural, Universidade do Algarve;

IBB has a strategic and ambitious research plan to respond to the new challenges resulting from the extraordinary developments and breakthroughs in subjects such as Molecular and Cell Biology, Genomics, Systems Biology, Biomaterials, Cell and Tissue Engineering, and Nanotechnology. The IBB contribution to the development of these cutting-edge and fast growing/moving topics relies on the integration of different scientific and technological subjects and competences of excellence, through six interdisciplinary Research Thrust Areas: 1. Biomolecular Science and Engineering; 2. Genetics, Molecular and Cell Biology; 3. Functional, Comparative and Evolution Genomics; 4. Bioprocess and Biosystems Engineering; 5. Biomaterials for Tissue Engineering and Regenerative Medicine; and 6. Catalysis and Reaction Engineering. These research areas support the IBB activities focused on four Thematic Areas 1. Industrial Biotechnology; 2. Health Biotechnology; 3. Agro-Food Biotechnology; and 4. Environmental Biotechnology and Chemistry