

Biomedical Diagnostics Institute (BDI)

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Research Areas



Tool Development

Innovation



Product Development

Device

At a Glance

- Status: **Active Consortium**
- Year Launched: **2005**
- Initiating Organization: **Science Foundation Ireland**
- Initiator Type: **Government**
- Location: **Europe**

Abstract

The Biomedical Diagnostics Institute (BDI) is a Science Foundation Ireland Centre for Science, Engineering and Technology (CSET). Established in October 2005, BDI is an academic-business-clinical partnership that sponsors research programs focused on the development of next-generation biomedical diagnostic devices.

Mission

The BDI vision is to transform healthcare by pioneering advances in the science and technology of diagnostics and by translating these advances into clinical use.

BDI's primary objectives are to

- sustain and grow a world-renowned center of excellence in biomedical diagnostics
- pioneer advances in the science and technology of diagnostics
- translate its research outputs into clinical application by working closely with commercial and clinical partners

- ensure that its various outputs impart both societal and economic benefits to Ireland
- develop cost-effective diagnostic devices for low-resource environments
- provide highly skilled researchers to contribute to a vibrant industry sector
- stimulate an enduring interest in science and technology in students of all ages, as well as enhance public understanding of science

Focus areas:

- Point of Care
- Home healthcare monitoring
- Link therapy and monitoring (companion diagnostics)

BDI research addresses major clinical challenges informed by the partnership of clinicians, scientists, and industry. Building on key scientific insights, BDI will apply its established capabilities to create integrated Point-of-Care solutions, which will have major impacts on diagnosing disease and sustaining human health.

Consortium History

Established in October 2005, BDI is an academic-industrial-clinical partnership that carries out cutting-edge research programs focused on the development of next-generation biomedical diagnostic devices.

Financing

BDI was seeded with €19.1 million from Science Foundation Ireland and associated funding from industry partners.

Intellectual Property

BDI has generated a strong portfolio of intellectual property (IP), borne out of the diverse technical disciplines that come together in its research strands. The BDI IP portfolio includes cutting-edge

devices and methodologies in microfluidics, molecular assays and signal detection, novel biomarkers of disease, and know-how pertaining to the generation and optimization of customized antibodies.

Impact/Accomplishment

BDI has generated a portfolio of IP created through the collaborations. Several of its inventions have made it to the commercial market with CE Marking.

Links/Social Media Feed

Homepage

<http://www.bdi.ie/index.html>

Twitter

https://twitter.com/bdi_dcu

Points of Contact

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