PerfeTTO

Italian Technology Transfer Office Network in Life Science

Technologies Portfolio

207 technologies

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PerfeTTO is the first Italian Network composed of Technology Transfer Offices (TTOs) in the Life Sciences sector, funded by a total investment of 30 million euros, of which 15 million are financed by the Ministry of Health through the National Complementary Plan (PNC) to the National Recovery and Resilience Plan (PNRR), Innovative Health Ecosystem E.3

PerfeTTO Network

The Network, which brings together **54 centers of excellence** across the country, including public and private IRCCS (Scientific Institutes for Research, Hospitalization, and Healthcare), Universities, Foundations, and Hospital Companies, aims to foster a national culture of technology transfer within the Life Sciences and to bridge the gap between research and society, driving knowledge exchange and generating social and cultural growth.

There are three **coordinating centers** located across Italy: one in the north (**Centro Cardiologico Monzino IRCCS**), one in the center (**Istituto Romagnolo per lo Studio dei Tumori "Dino Amadori" IRST**), and one in the south (**Ente Ospedaliero Specializzato in Gastroenterologia "Saverio de Bellis" IRCCS**), which work in synergy with the Partners to deliver, implement, and share training activities, best practices, guidelines, operational models, national and international databases, and research valorization initiatives. This is further enhanced by the implementation of a digital platform with artificial intelligence functionalities.
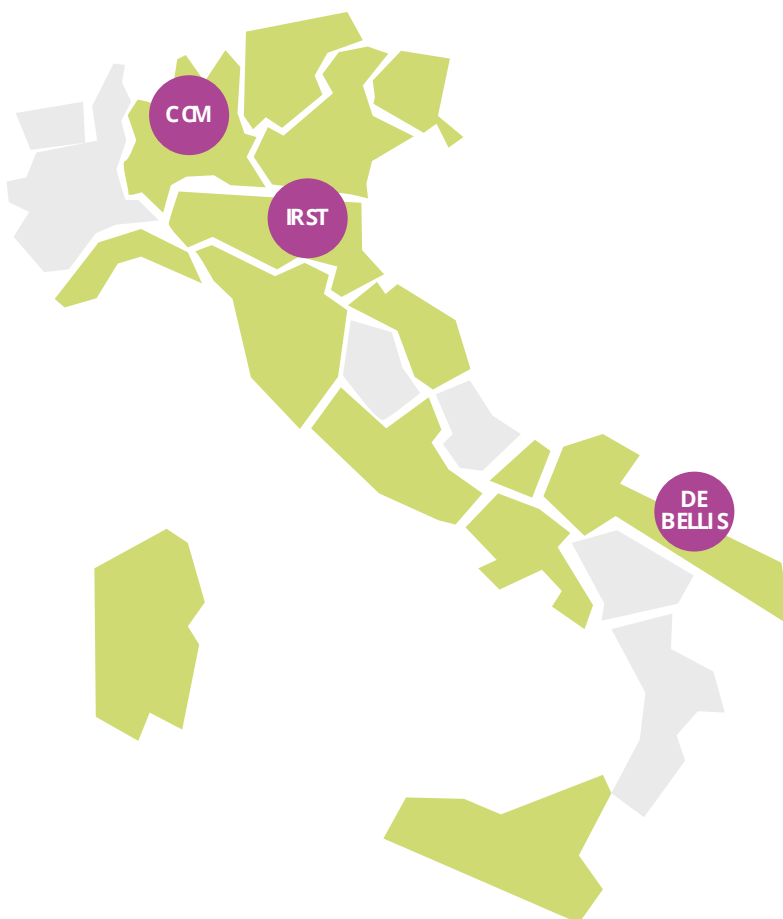
Overview

The **PerfeTTO Technologies Portfolio** provides insights into the technologies developed by our Partners. It offers detailed information about the dedicated teams behind each invention, showcasing their expertise and commitment to advancing healthcare solutions.

The goal is to serve as a tool that showcases innovative technologies to attract new collaborations and investments, fostering meaningful partnerships that drive innovation and contribute to the advancement of healthcare.
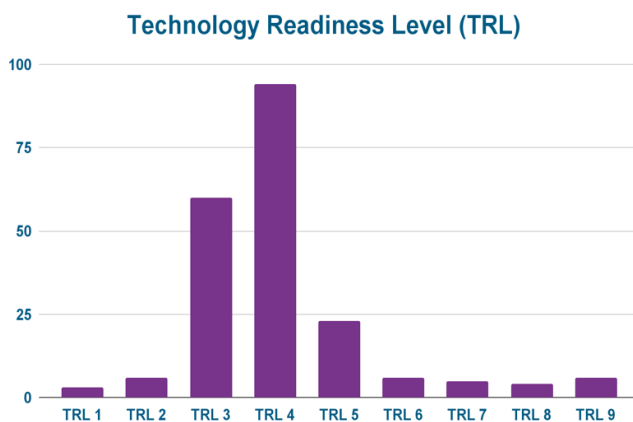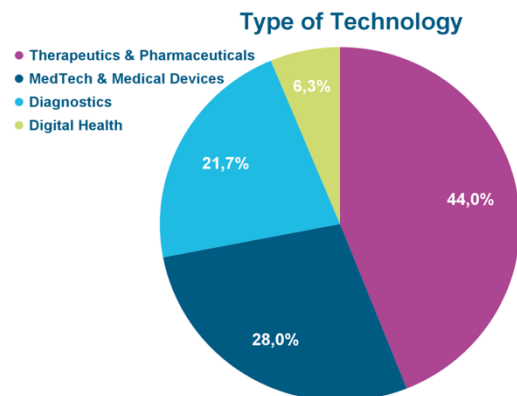
In this second collection, more than **200 technologies** have been gathered, with the Portfolio continuously updated to reflect ongoing advancements. Future versions will include additional content, ensuring a comprehensive representation of the innovations within the Network.

The Portfolio is organized by **therapeutic area** and **invention type**, facilitating seamless navigation through various categories.

Portfolio Highlights

The majority of the technologies in the Portfolio are concentrated in **Therapeutics & Pharmaceuticals** (91 technologies), followed by **MedTech & Medical Devices** (58 technologies) and **Diagnostics** (45 technologies). Additionally, **Digital Health** is represented with 13 technologies focused on digital innovation in healthcare. This variety showcases a wide range of cutting-edge solutions addressing clinical and therapeutic needs across the main fields of Life Sciences.

Type of Technology

- Therapeutics & Pharmaceuticals
- MedTech & Medical Devices
- Diagnostics
- Digital Health

44,0%
28,0%
21,7%
6,3%

Technology Readiness Level (TRL)

Most of the technologies in the Portfolio are at **intermediate stages** of development, with the highest concentration at **TRL 4** (94 technologies) and **TRL 3** (60 technologies). This distribution indicates a strong focus on **early validation** and **proof of concept**. As technologies progress, the numbers gradually decrease, with **TRL 5** comprising 23 technologies and **TRL 6** onward accounting for fewer innovations. Only a few technologies have reached **TRL 9** (6 technologies), marking readiness for full-scale implementation. This overview highlights the pipeline's potential, emphasizing both early-stage innovation and the pathway toward market-ready solutions.

The **therapeutic areas** represented in the catalog reflect the primary research focuses of PerfeTTO's Partners. With a strong emphasis on **Oncology** (59 technologies) and **Cardiology** (26 technologies), we cover a wide range of therapeutic areas, including **Neurology** (25 technologies) and **Gastroenterology** (14 technologies), among others. Additionally, 24 technologies have been identified as **Cross-target**, meaning they have potential applications across multiple therapeutic areas. Some of the technologies This diversity not only showcases our collaborative efforts but also highlights the potential for partnerships and investment opportunities. By addressing various health needs, PerfeTTO presents an attractive prospect for investors and companies looking to engage with innovative solutions across multiple therapeutic fields.

Therapeutic Areas