

# International Conference on Oncology and Cancer Research (ICOOCR-2025)

Conference Proceedings

February 06, 2025 - Singapore

## **AI-Driven Advancements in Breast Cancer: Transforming Detection, Diagnosis, Treatment, and Monitoring**

**Enrique Díaz Cantón**

**Adjunct Professor of Oncology CEMIC Titular Professor of Artificial Intelligence in Medicine CEMIC University Institute, Argentina**

Artificial Intelligence (AI) is transforming the fight against breast cancer. It helps in early detection and accurate diagnosis through analysis of large volumes of medical data. It allows personalized treatments, optimizes radio-oncology, and contributes to the discovery of new drugs. AI-powered chatbots assist healthcare professionals with administrative tasks. Although it offers great promise, ethical challenges need to be addressed and ensure that it complements, not replaces, physicians. Multidisciplinary collaboration is key to harnessing its potential in today's medicine.