MEDICIS-produced radioisotope beams for medical applications
a Marie Curie Innovative Training Network

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• Training of a new generation of 15 entrepreneurial scientists within a network of leaders in the different interdisciplinary fields including a Nobel prize laureate.
• Bridging academia, industry, research institutions and hospitals for the production, transport, manufacturing and delivery to patients of innovative radiolabelled compounds for target-specific imaging and therapy of cancer.
• The new CERN-MEDICIS facility will extend the present ISOLDE facility and will provide dedicated medical batches for radiopharmaceuticals production. Accelerator technologies will be developed towards performing $^{11}\text{C}$-based hadron therapy treatments.

Radioisotopes beam production & mass separation

$^{11}\text{C}$ beam preparation

Radioisotope collection

Advanced treatment planning

Functional Imaging

Theranostic Development

Radiopharmaceutical Synthesis


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