

CREATIC: A New Frontier in Treating Rare Diseases

The Central European Advanced Therapy and Immunotherapy Centre (CREATIC) at Masaryk University is leading the way in personalized medicine. This ground-breaking centre focuses on developing advanced therapies to tackle rare and complex diseases, offering hope to patients who currently have no effective treatment options.

What is CREATIC?

CREATIC is an innovative research hub supported by the European Union's Horizon Europe program. It brings together Masaryk University and partners like the Fraunhofer Institute for Cell Therapy and Immunology, Leipzig University, and the University of Copenhagen. Their shared mission is to create cutting-edge therapies using cell and gene technology, aimed especially at rare diseases and aggressive cancers.



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Why is CREATIC Important?

Rare diseases often lack effective treatments. Traditional medicine can manage symptoms, but many patients live without the possibility of a cure. CREATIC's work in personalized medicine could change that. By using advanced therapies, such as gene editing and cell-based solutions, the centre aims to provide targeted treatments for high-risk paediatric tumours, adult cancers, and other life-threatening conditions.

What Makes CREATIC Unique?

1. **Collaborative Expertise:** CREATIC's work is powered by an international network of scientists and institutions. These partnerships allow it to combine decades of expertise with state-of-the-art research facilities.
2. **Focus on Fair Medicine:** Beyond innovation, CREATIC is committed to ensuring that these life-saving therapies are accessible to everyone, regardless of financial circumstances.
3. **A Holistic Approach:** CREATIC supports every step of therapy development, from clinical trials to regulatory guidance, ensuring that new treatments meet the highest safety and effectiveness standards.



CREATIC meeting

Global Partnerships and Innovations

CREATIC is not working alone. Its partnerships include major initiatives like the CERTAINTY project, which explores the use of virtual twin technologies to make cancer treatments more precise. The centre also collaborates with top-tier universities and research institutes to push the boundaries of medical science.



Launch of CERTAINTY project in Leipzig

What's Next?

Launching in 2024, CREATIC is set to become a flagship institution in Europe for advanced medicinal research. With €35 million in funding, the centre aims to reshape healthcare by offering hope to patients who have been left behind by traditional medicine.