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2014-2020 Operational  
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Research  
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ELTE  
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NATIONAL RESEARCH, DEVELOPMENT  
AND INNOVATION OFFICE  
HUNGARY



# RESEARCH & INNOVATION TRANSFORMING EUROPEAN HEALTHCARE

16 November 2023 | 09:00 – 16:30

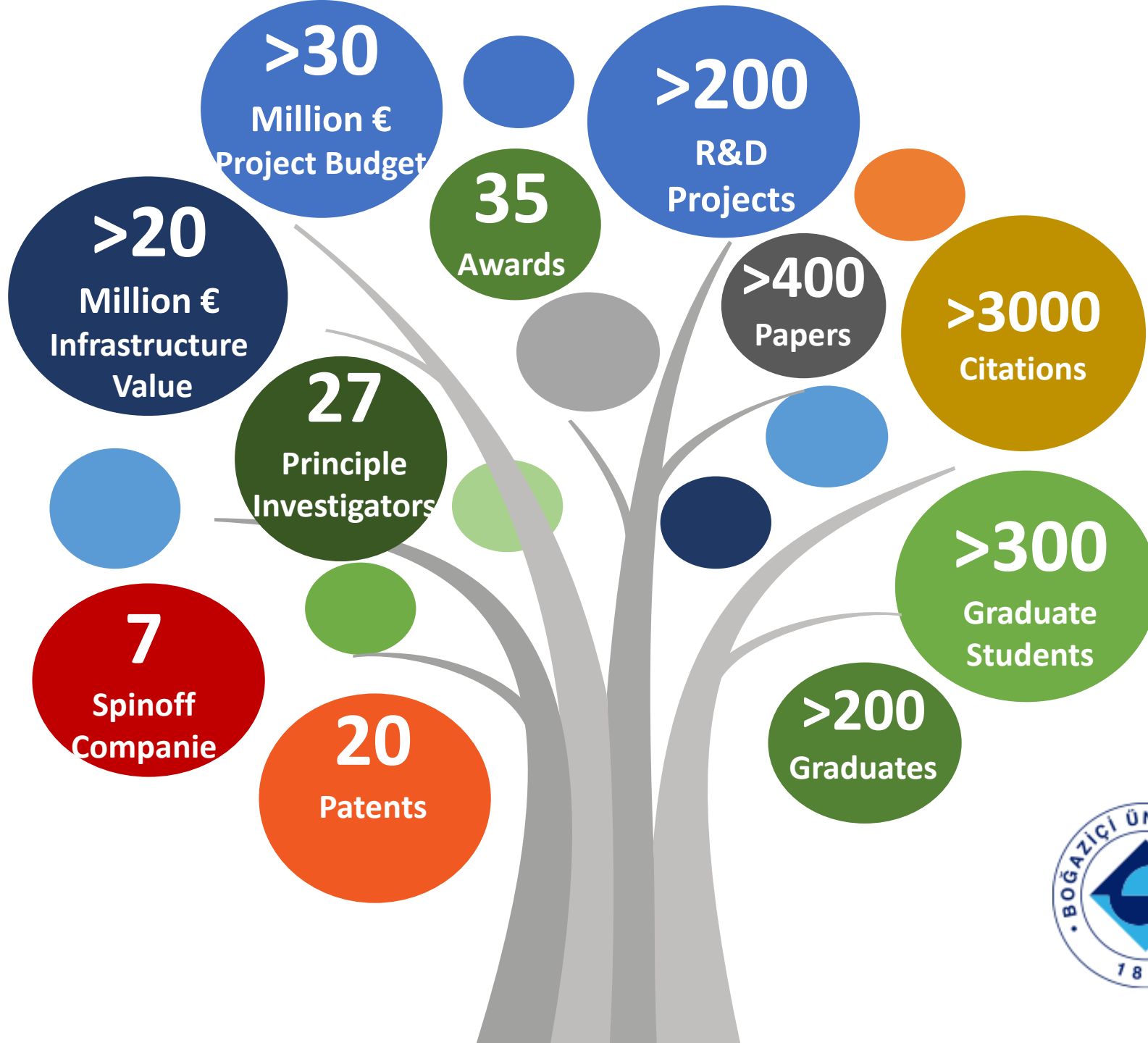
[Permanent Representation of Slovenia to the EU](#)  
[Boulevard du Régent 45-46, 1000 Brussels](#)

## Boğaziçi University Center for Life Sciences and Technologies (*Boğaziçi LifeSci*)

### *Focus on Targeted Therapy Technologies & TEAMING Project (CHIRON-T3)*



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**Best Life Sciences  
Center in Türkiye**

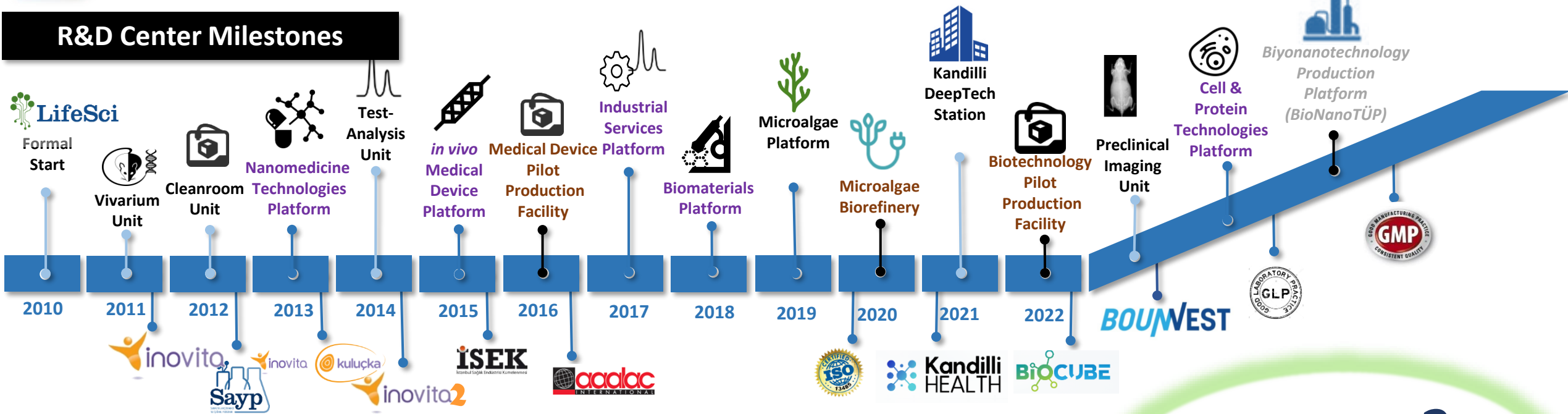
**Combining  
Advanced R&D**

**with SME &  
Entrepreneurial  
Support**



# Boğaziçi LifeSci's Growth Adventure & its New Spinout Center

## R&D Center Milestones



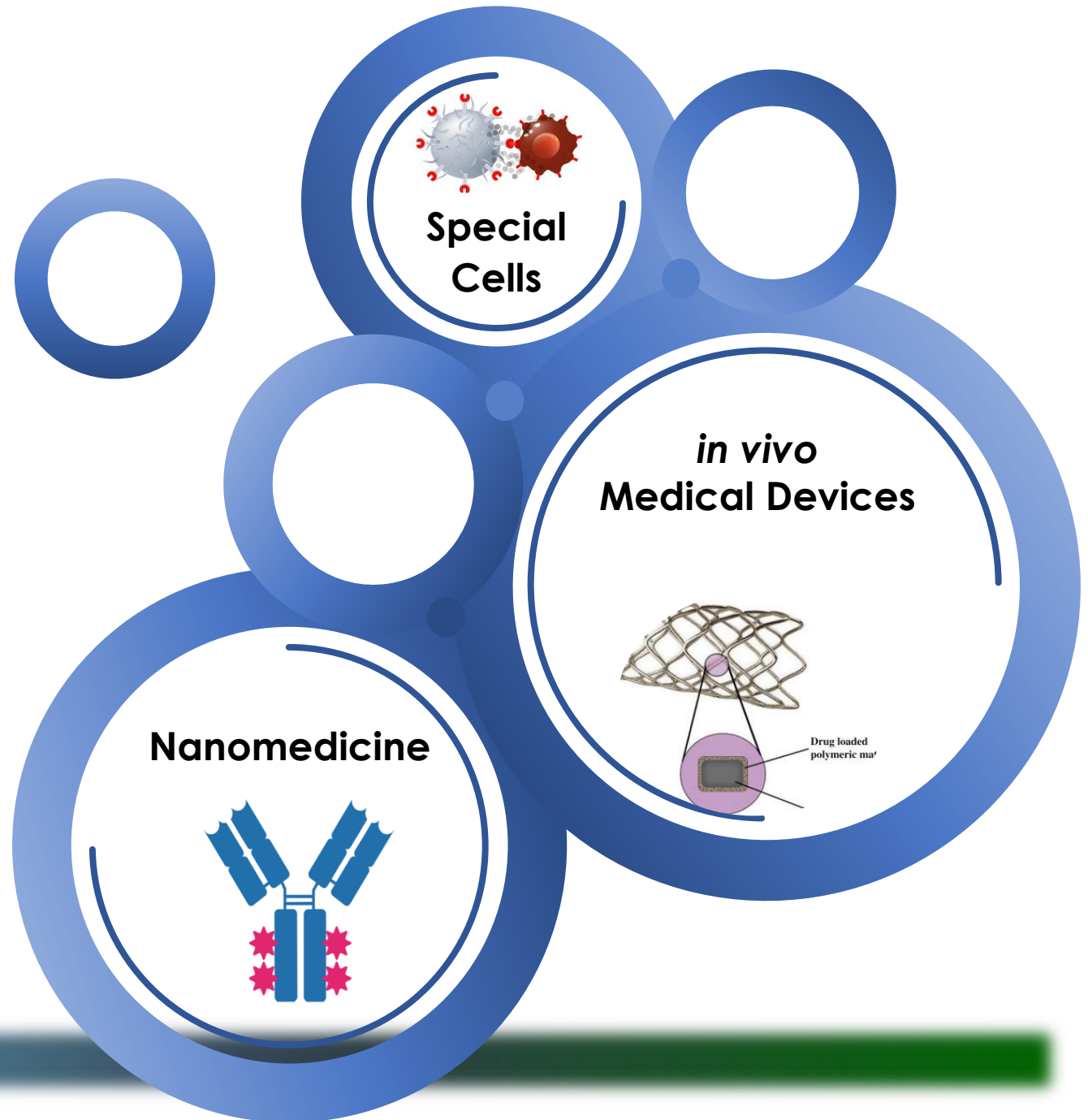
Industrial Services & Entrepreneurial Support & University-Industry Cooperation Projects

**CT<sup>3</sup>**  
Center for Targeted Therapy Technologies



## CT3 Mission

To display top-tier scientific and technological progress in the field of "Targeted Therapy Technologies", & transform these into economic value and contribute to the improvement of the quality of life

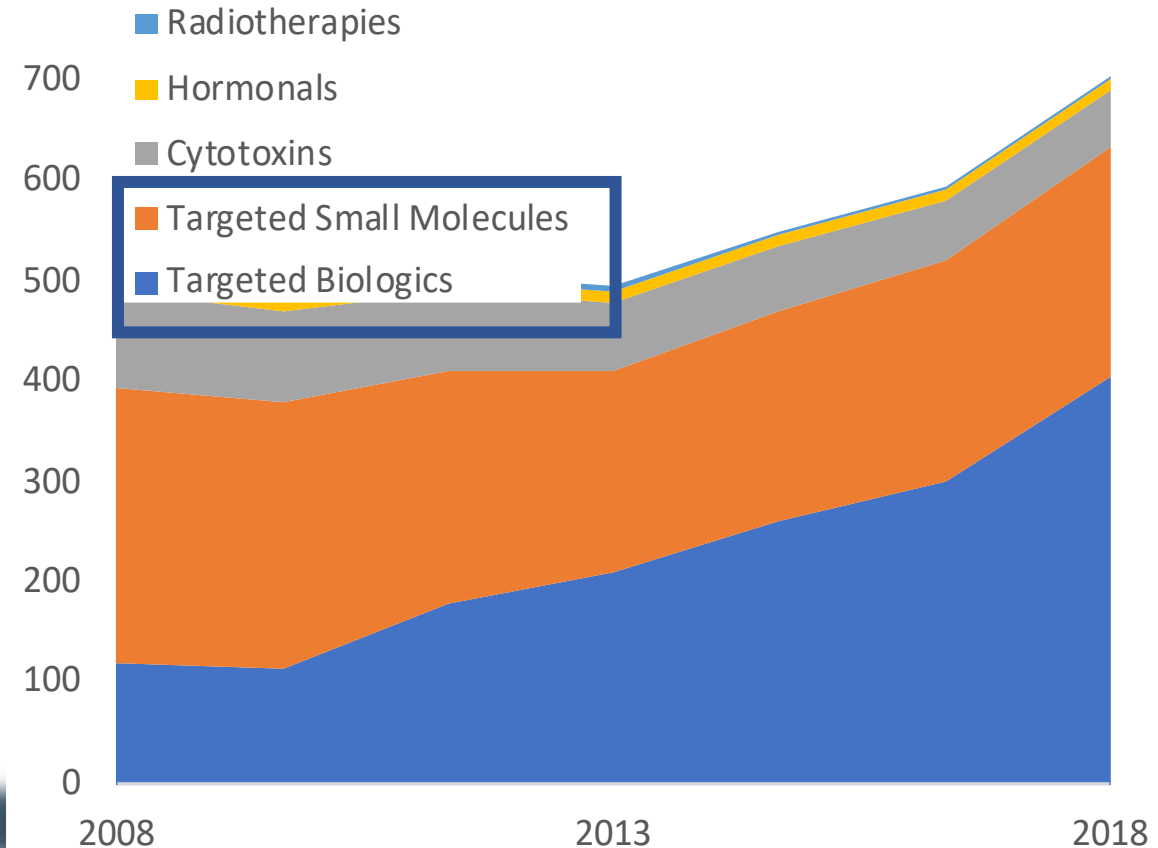


## CT3 Mission

- ✓ Specialize at specific emerging health technologies and their translation (at its infancy in Türkiye).
- ✓ The specific subtopics we want to focus under the broad umbrella of **Targeted Therapy Technologies** are all actively explored emerging R&D topics globally (they are all Disruptive Technologies)
- ✓ We believe our infrastructure is ready, along with our human talent, to shift into higher gear and move forward on this path.

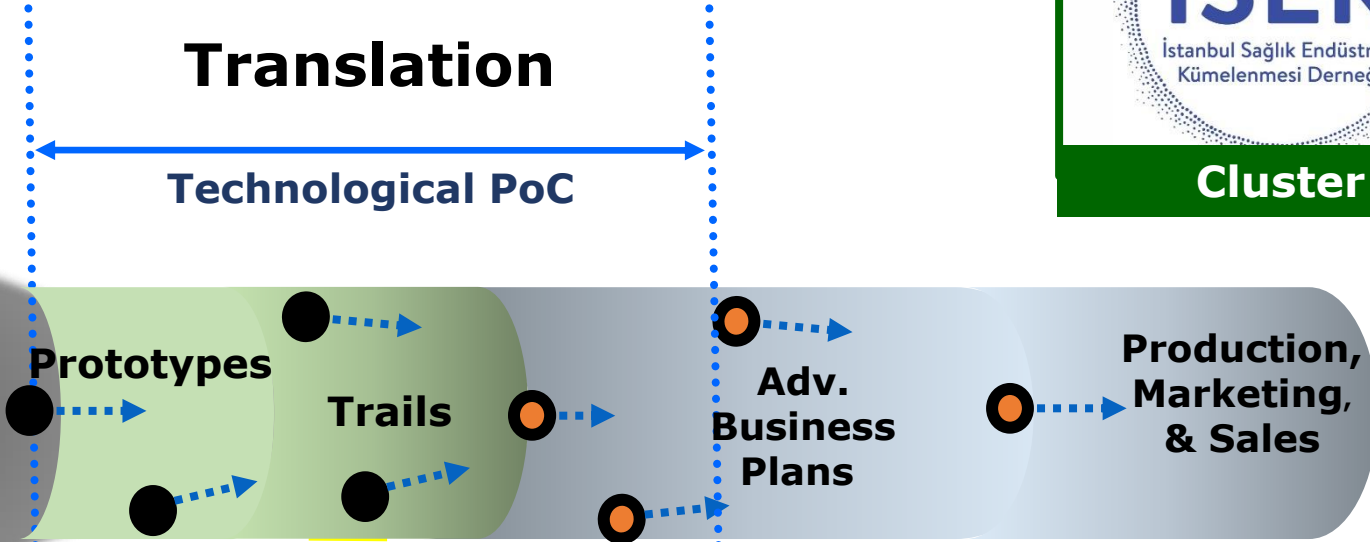
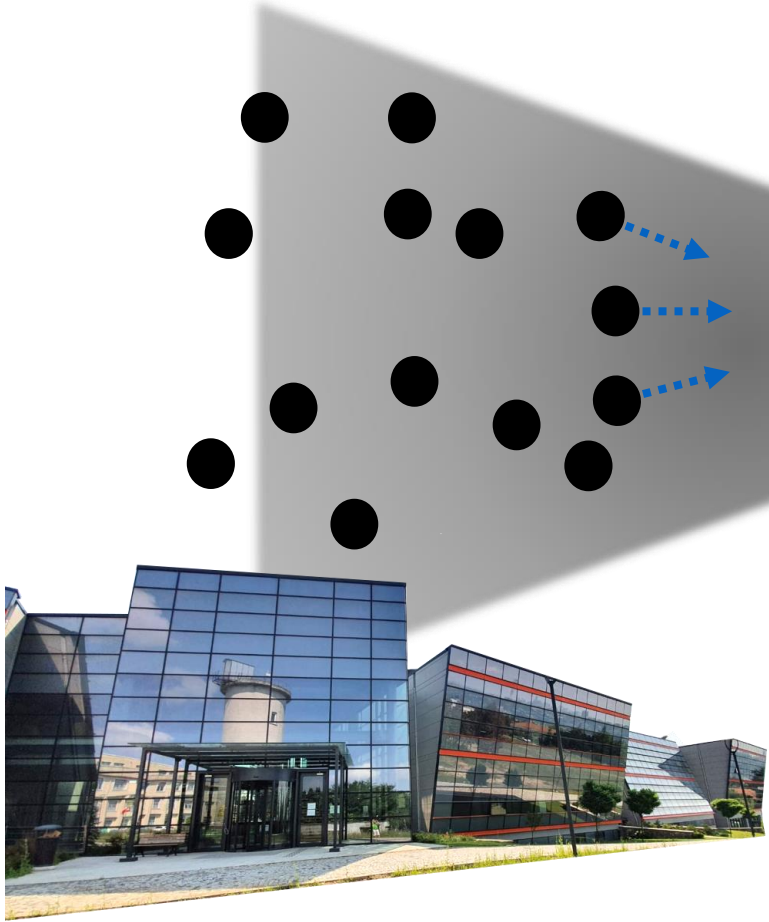
CT3 main clinical focus is Cancer

Globally 80% of drug candidates which are at final stage of clinical trials are in the category of **targeted therapies**



# CT3 – Full Support in R&D Development Pipeline

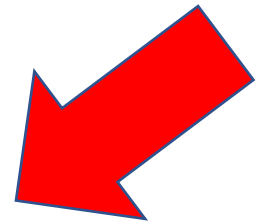
From R&D...



...products & solutions



# European Infrastructure Funding – Current Outlook



<p><b>R&amp;D Support Laboratories to Increase the Global Competitiveness of Life Sciences SMEs</b></p> <ul style="list-style-type: none"><li>- Preclinical Imaging Facility</li><li>- Advanced Material Characterization Lab</li><li>- Pilot Production Facilities</li></ul> <p><b>5.1 Milion €</b></p>	<p><b>Carbon-Negative Integrated Biorefinery for Bioeconomy-Driven Development (INDEPENDENT)</b></p> <ul style="list-style-type: none"><li>- Microalgae Biorefinery in a carbon-negative Campus</li><li>- Research Labs</li><li>- Test &amp; Analysis Labs</li></ul> <p><b>5.5 Milion €</b></p>	<p><b>CENTER OF EXCELLENCE IN HEALTH FOR ACCELERATING TRANSLATIONAL RESEARCH AND FOSTERING ENTREPRENEURSHIP IN TARGETED THERAPY TECHNOLOGIES – CHIRON-T3</b></p> <p>HORIZON-WIDERA-2023-ACCESS-01-01 – Teaming for Excellence Project Proposal (@ 2nd Stage)</p> <p><b>13 Mllion €</b></p>
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## CHIRON-T3 (TEAMING Project – @2nd Stage)

- ❑ ... to modernize BULifeSci at Boğaziçi
- ❑ ... establish it as an R&I CoE
- ❑ .. with expertise in preclinical modeling and advanced imaging technologies, theranostics, nanomedicine, and cellular therapies and with a program for translational research for targeted therapy



Figure 1: Coordinator and partners in CHIRON-T3

INSTITUTION	COUNTRY
BOGAZICI UNIVERSITESI	TURKIYE
STICHTING RABDOUD UNIVERSITAIR MEDISCH CENTRUM	NETHERLANDS
FONDAZIONE PER L'ISTITUTO ONCOLOGICO DI RICERCA	SWITZERLAND
CHARITE-UNIVERSITAETZMEDIZIN BERLIN	GERMANY
NATIONAL INSTITUTE FOR BIOPROCESSING RESEARCH	IRELAND
TÜRKİYE BİLİMSEL VE TEKNİK ARAŞTIRMA KURUMU	TURKIYE



## What Can Boğaziçi LifeSci/CT3/ISEK do for you in Türkiye?

- ❑ ... assist companies with soft-landing in Turkey (@ Teknopark Istanbul or @ Kandilli Deep Tech Station) – ready to use Wetlabs, Cleanrooms, GMP-compliant Pilot Production, Preclinical Imaging, Test&Analysis ...
- ❑ ... could be partners in binational/multinational R&D projects & in EU Horizon consortia (Targeted Therapy Technologies, + Digital Health, Healthy Aging ...)
- ❑ ... could find you additional partners in Turkey (University Research Centers and dynamic SME's),



*Thank you for your attention ...*

**Prof. Dr. Cengizhan Öztürk**



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**Boğaziçi LifeSci**, Center for Life Sciences & Technologies  
([lifesci.boun.edu.tr](http://lifesci.boun.edu.tr))

İSEK, İstanbul Health Industry Cluster ([www.i-sek.org/](http://www.i-sek.org/))

Boğaziçi University ([boun.edu.tr](http://boun.edu.tr))

BU Institute of Biomedical Engineering, ([bme.boun.edu.tr](http://bme.boun.edu.tr))

**Boğaziçi University  
Center for Life Sciences and Technologies  
(Boğaziçi LifeSci)**

**Focus on Targeted Therapy Technologies**

**& TEAMING Project (CHIRON-T3)**