CONSORTIUM

Technical University of Moldova
Republic of Moldova
https://utm.md

Hannover Medical School
Germany
https://www.mh-hannover.de

University of Bristol
United Kingdom
http://www.bristol.ac.uk

KTH Royal Institute of Technology
Sweden
https://www.kth.se

Joint Research Centre
Belgium
https://ec.europa.eu/jrc

EFPC, Israel
http://www.efpcgroup.com/

INFORMATION

Duration
November 2018 to October 2021
(36 months)

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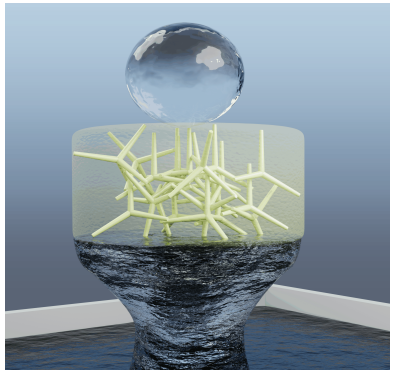
www.nanomedtwin.eu



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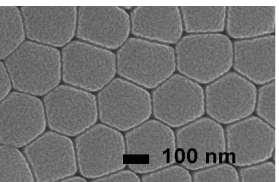
NanoMed TWIN

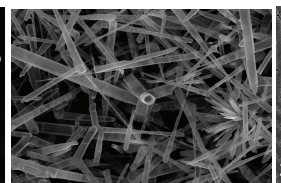
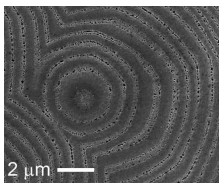
www.nanomedtwin.eu

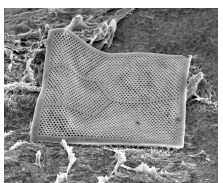
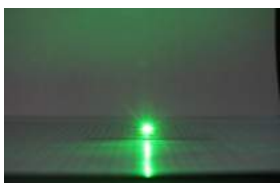
Promoting smart specialization
at the Technical University of Moldova
by developing the field
of Novel Nanomaterials
for BioMedical Applications through
excellence in research and twinning

Funded by the Horizon 2020
Framework Programme of the
European Union





OBJECTIVE

The main objective of the NanoMedTwin is to promote the Smart Specialization Strategy in Moldova through developing the field of nanomaterials for biomedical applications by enhancing the scientific excellence of the National Center for Material Study and Testing (NCMST) of the Technical University of Moldova via a collaborative strategic partnership program with world leading centres are established in the EU.

The specific objectives of NanoMedTwin are:

- Promotion of the link between NANO and BioMedicine fields

- Training of a new generation of highly-skilled researchers capable of developing novel nanomaterials for biomedical applications and creating a leading national infrastructure in these fields at NCMST

- Developing a strategic programme focusing on the field of nanomaterials for biomedical applications and building of capacities for promotion of technology transfer in this field.

- Extending networking and collaboration and creation of capacities for broader participation of NCMST and other linked research groups in Moldova in the Horizon 2020 Programme and future FP9 Programme.

ACTIVITIES

- The promotion of links between the fields of nanomaterials and biomedicine will be performed through an intense exchange of knowledge and experience with partners on both bilateral and multilateral levels, accomplished by expert staff and student visits.

- The training of a new generation of researchers will be performed through establishment of a nano-biomedicine training program to integrate the principles of nanotechnology, nanomaterials and biomedicine in research and coursework, and will be implemented by actions such as: 2 summer schools, theoretical and practical courses at NCMST for PhD students and young researchers.

- The promotion of innovation and technology transfer through the transfer of knowledge and expertise in this field from leading centres in the EU to the staff of the NCMST, especially to young researchers.

- Strengthening networking on a national and European level in the field of nanotechnologies and nanomaterials for biomedical applications, based on existing and new collaborative links at regional, national and European levels.

EXPECTED IMPACTS

The implementation of the NanoMedTwin project will promote the link between NANO and BIO(Medicine) fields in Moldova, the convergence of nanotechnologies and biomedicine, and will offer innovative solutions for a series of healthcare related issues through training of young researchers, exchange of expertise and increased research excellence.

New bridges of collaboration will be established between biomedical companies in Moldova and partners abroad with the goal of identifying possibilities for marketing of the developed nanomaterials and nanodevices

NanoMedTwin will consolidate the role of NCMST in Moldova as a key institution in the network of research institutions, universities, technology parks, small and medium enterprises.

A basis will be created for participation of NCMST in the future FP9 programme concerning nanobiomedicine.

The number of businesses collaborating with NCMST on nanobiomedicine-related projects will increase, especially with medical institutions.

Version 1, Mar 2019