

Hungarian-led nanotech consortium wins EU funding with NRDIFund contribution

BioTalentum Kft. was among the first winners under the EU_KP_16 call aimed to widen Hungarian participation in the EU H2020 and other European and regional funding programmes. The domestic funding of HUF 3 million (EUR 10,000) granted by the NRDIFund enabled the company to organise an international consortium of eight members for a nanotechnology project. Their ambition has recently been fulfilled: the consortium's "iNanoBIT" project has made it through the two-round professional assessment and garnered nearly EUR 7 million (HUF 2.17 billion) in funding from the Horizon 2020 programme.

The iNanoBIT project focuses on developing highly sensitive nanotechnology-based imaging approaches allowing for examining transplanted cells and tissues (even the monitoring of the cellular morphology and survival characteristics of individual cells) in experiments with large animals and humans. The objective of these experiments will be to cure diabetes through the implantation of porcine pancreatic islets and human pluripotent stem cell-derived beta cells. Out of the total EU funding of the project 40% (i.e. EUR 2.8 billion) will go to three Hungarian members of the consortium, namely BioTalentum Kft. (EUR 1.3 million i.e. HUF 400 million), Mediso Kft. (EUR 795,000 i.e. HUF 246 million) and BBS Nanotechnológiai Kft. (EUR 710,000 i.e. HUF 220 million).

The EU_KP_16 call fostering the international consortium building of Hungarian partners is still open, entries are welcome.

Further information on the funded H2020 project:

[Nanotechnologies for imaging cellular transplants and regenerative processes in vivo \(NMBP-15-2017\)](#)