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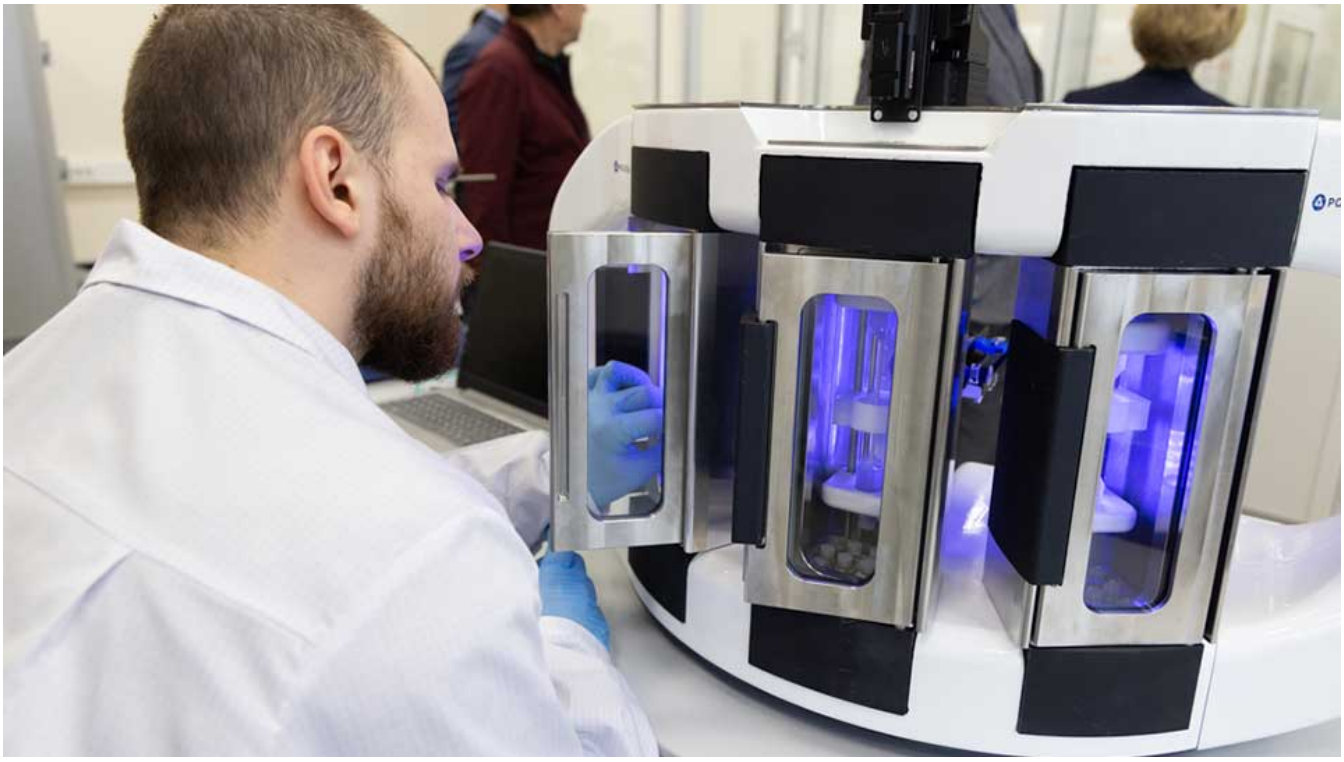
Rosatom supports the establishment of a bioprinting laboratory at a Russian university

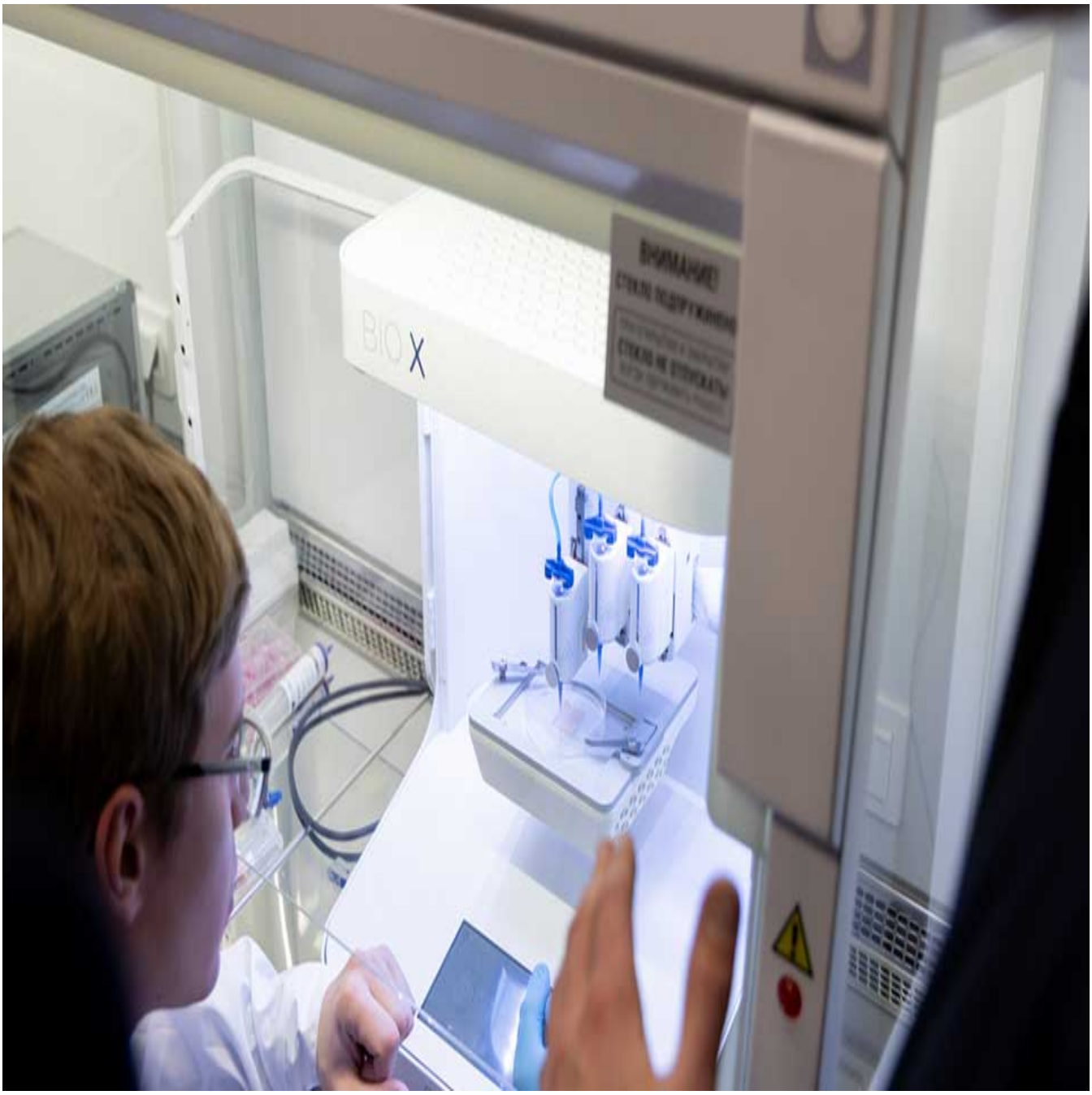
- A Monitor Desk Report Date: 09 March, 2025



The National Research Nuclear University MEPhI (MEPhI), Russia, has set up a Laboratory for Regenerative Technologies and Tissue Engineering with the support from Rosatom, State Atomic Energy Corporation. The new laboratory will be a center for biomedical innovation and future professionals' training. The laboratory will also grow biocompatible equivalents of blood vessels using patients' cells. The biofabricator developed by Rosatom scientists will simulate tissue growth at the micro level.

The laboratory was formally opened on March 5, 2025. The opening ceremony was addressed by Vladimir Shevchenko, Rector of MEPhI, and Dmitry Baidarov, Director of the New Businesses Support Department at Rosatom, Igor Reshetov, cancer surgeon at I.M. Sechenov First Moscow State Medical University, Vladislav Parfenov, Head of the 3D Bioprinting Center at MEPhi, and Alexander Garmash, Director of the

Institute for Physics and Engineering in Biomedicine at MEPhI. They emphasized the importance of an interdisciplinary approach and training of future technology professionals.



“The tremendous advances in biomedicine and life sciences over the past few decades have been made possible through the integration of physical research techniques, diagnostic tools, and analytical methods, including magnetic resonance imaging systems and lasers among other high-precision devices. I hope that this laboratory will develop new approaches and ideas to combat diseases that are currently considered incurable,” pointed out Vladimir Shevchenko.

“It is imperative for universities to equip students with the skills and knowledge necessary to navigate future technologies that are being

developed today. The faster universities update their educational programs the sooner such laboratories will begin to yield results," said Dmitry Baidarov.

A seminar was organised following the opening ceremony, which focused on the prospects for the development of nuclear medicine and biotechnology.

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