

South Korea to develop composite materials for new-gen implants

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Bioresorbable implant development is a priority topic in biomedicine



A research team from Russia-based Tomsk State University and their colleagues from South Korea are developing composite materials for new-generation bioresorbable implants. The scientists will synthesize new magnesium-based materials with biocompatible inert coatings.

The joint research project of Tomsk State University and Boramae Medical Center, Seoul National University Hospital, won a grant competition for bilateral projects from the Russian Ministry of Science and Higher Education and Ministry of Science of South Korea.

In the two-year project, the scientists will develop new magnesium-based composite materials with biocompatible inert coatings. These materials will be used in bioresorbable implants that dissolve inside the human body and are replaced by biological tissue.

The South Korean partner's infrastructure and competencies will facilitate a high level of investigation in biocompatibility and biodegradation of new materials and coatings.