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# Cellbricks Therapeutics reaches key milestone using Rousselot biomaterials

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Rousselot, Darling Ingredientsâ?? premier collagen and gelatin brand, announces promising preclinical results from a study conducted by Cellbricks Therapeutics, a Berlin-based biotech startup and spin-off from the Technical University of Berlin. As a pioneer in 3D-bioprinting, Cellbricks successfully implanted 3D-bioprinted adipose tissue constructs into mice, with no signs of fibrosis or rejection observed after seven weeks.

A key hurdle in regenerative medicine is achieving transplanted cell survival and integration with host tissues while minimising immune responses. To address this, Cellbricks incorporated Rousselotâ??s medical-grade biomaterials â?? specifically, purified gelatins â?? which played a pivotal role in enhancing both the structural and functional performance of the bioink used in the constructs.

â??The purity, consistency and biocompatibility of Rousselot gelatin were key to the success of our project,â? said Alexander Thomas, Soft Tissue Program Leader at Cellbricks. â??We observed rapid tissue integration and vascularisation that led to the formation of viable fatty tissue in the constructs â?? key indicators of successful long-term grafting.â?

Tanja Vervust, Global Director Biomedical at Rousselot, added, â??Cellbricksâ?? pioneering work in organ and tissue printing, combined with Rousselotâ??s high-quality biomaterials, can represent a significant step forward in regenerative medicine. This achievement reflects how collaboration around medical-grade biomaterials and advanced bioprinting can accelerate progress in tissue engineering, delivery of cell therapies, and organ printing.â?

Rousselot continues to play a key role in advancing regenerative therapies by providing innovators like Cellbricks with high-performance biomaterials that enable new possibilities in the field.