



جامعة الملك عبدالله
للعلوم والتقنية
King Abdullah University of
Science and Technology

DEEP SPACE
BIOLOGY

Space Data for healthcare breakthrough's
AI At The Edge of Human Discovery.

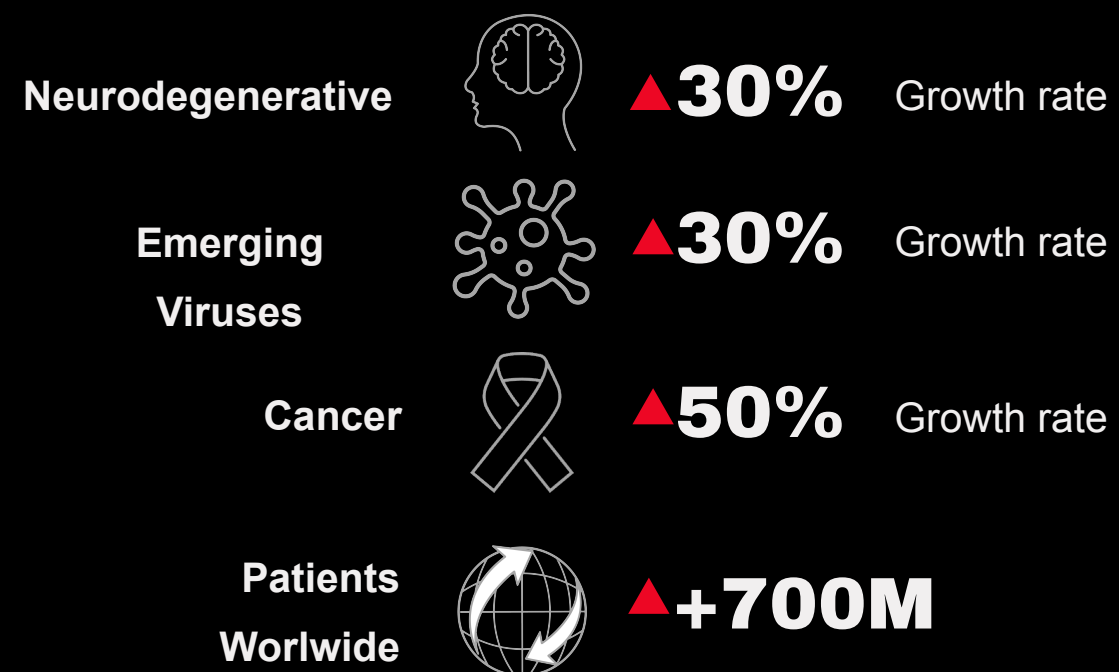


The background is a dark blue, futuristic digital environment. It features a perspective view of a grid floor that recedes into the distance. Numerous glowing lines and points of light radiate from the center, creating a sense of depth and connectivity. Several semi-transparent data boxes and panels are scattered throughout the scene, containing various numbers and text, suggesting a complex data network or a virtual interface. The overall aesthetic is clean, modern, and high-tech.

Healthcare is experiencing a new industrial revolution,
advancing science and transforming the future.

THE GLOBAL PROBLEM

Number of patients is rapidly increasing



Diagnosis, treatment, and drug discoveries rely on expensive, slow, and ineffective processes



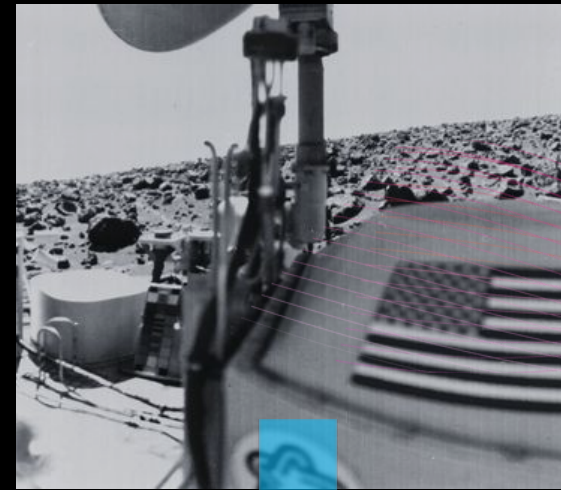
Pharma, Diagnosis, and Therapeutics Companies struggle to meet demand

Why Space Matters to Health Innovation

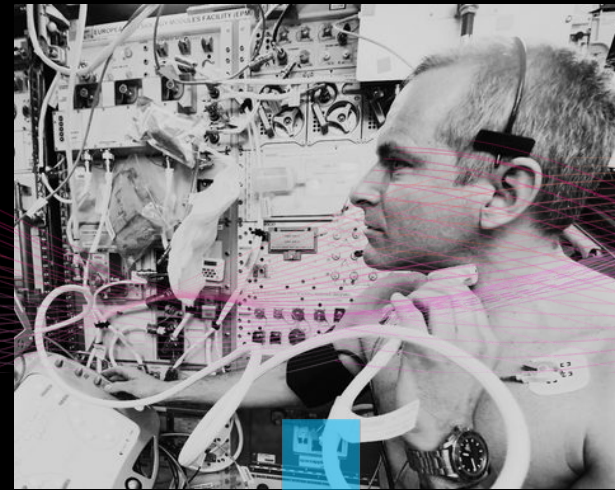
Apollo Mission



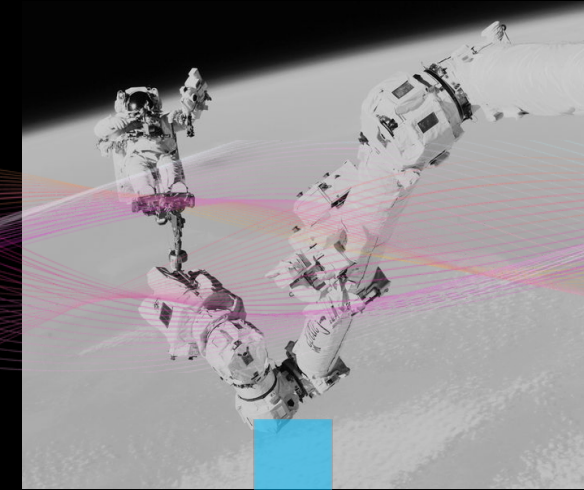
Mars Viking Mission



Monitor Astronauts



ISS Robotic Arm



ADUM Study



CT Scan



Insulin Pump



Health Wearables



Prosthetic Limbs



Ultrasound

Current R&D in Space



Microgravity Effects on Biological Systems



Accelerated Aging and Disease Models



Protein Crystallization for Better Drugs



Immune System Defense



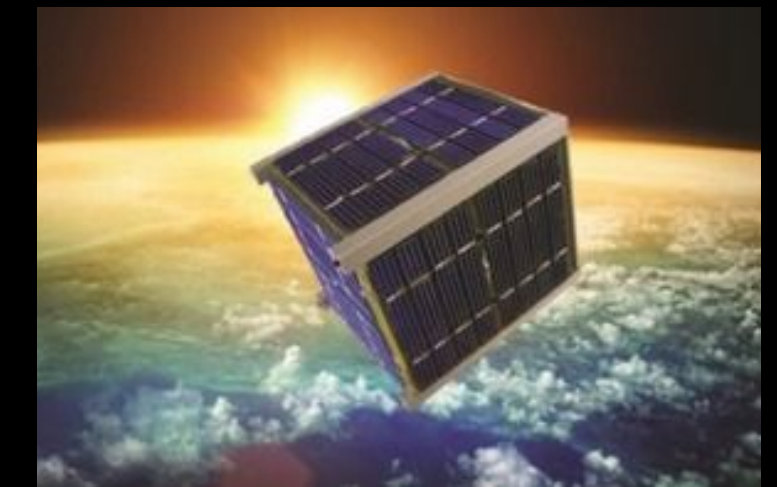
Tissue Engineering and Regenerative Medicine



Unlocking Radiation Effects



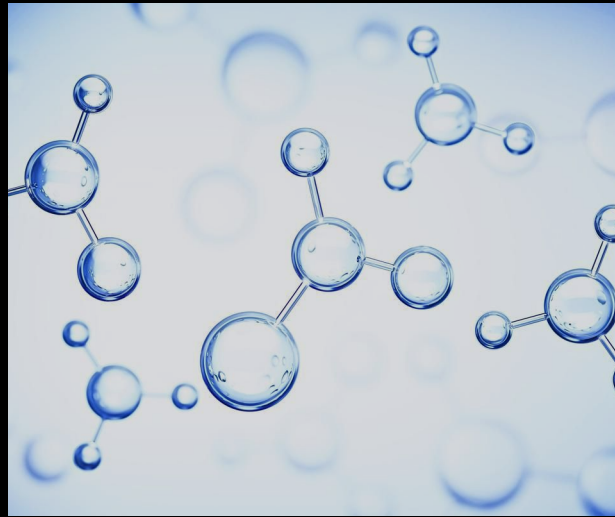
Discovery of Novel Targets and Development of Unique Drugs



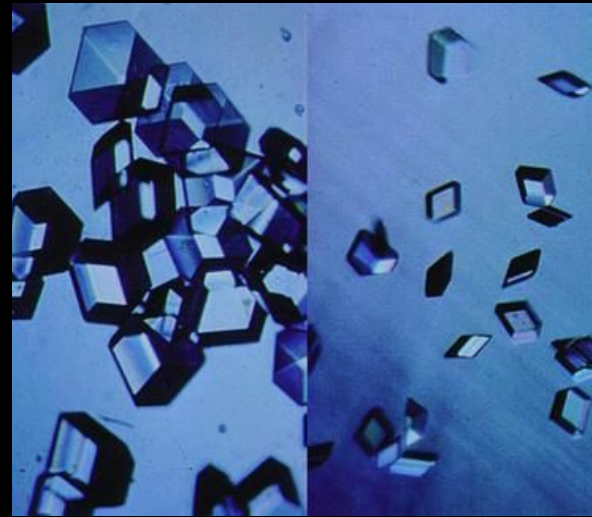
Data Processing Using our AI-Space Algorithms

R&D in Space: Recent Discoveries in Microgravity

Small Molecules



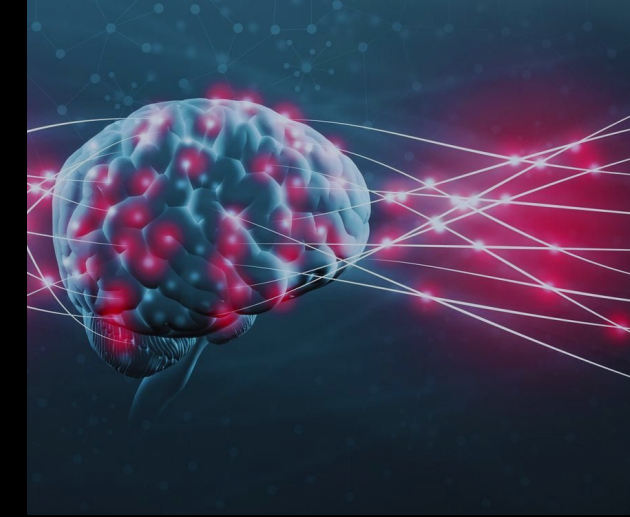
Protein Crystals



Artificial Retinas



Organoids



Stem Cells



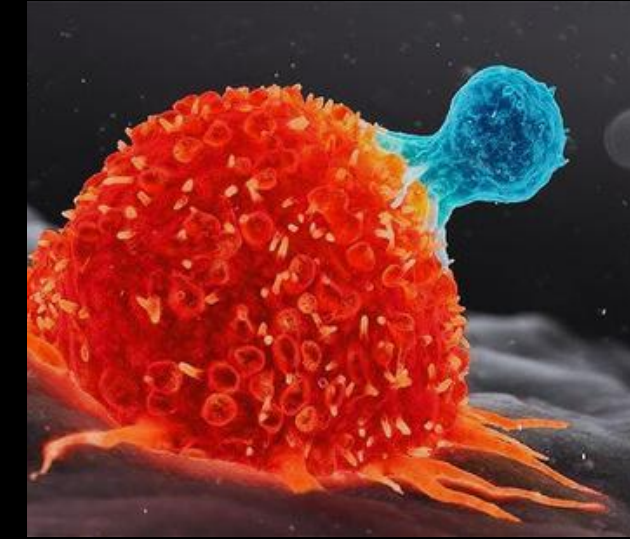
3D-Printed Hearts



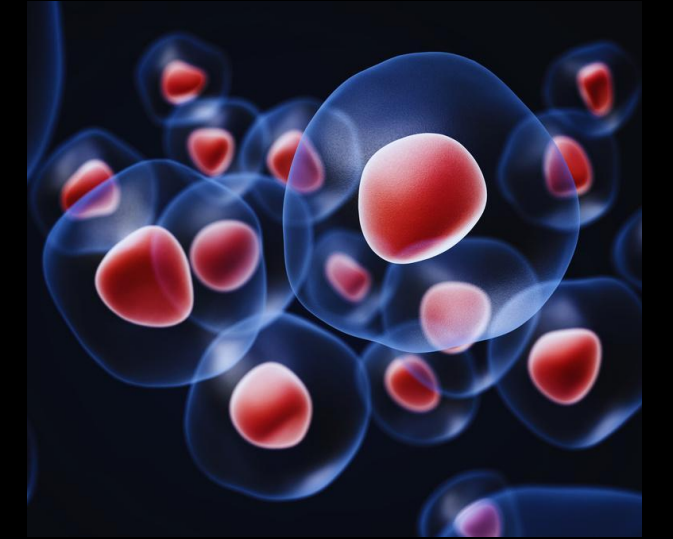
New & Better Drugs



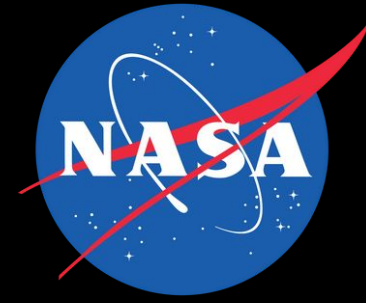
Tissue On A Chip



T-CELLS



3D Cell Cultures



Knowledge Graph Genes-Events

Graph Degree PageRank

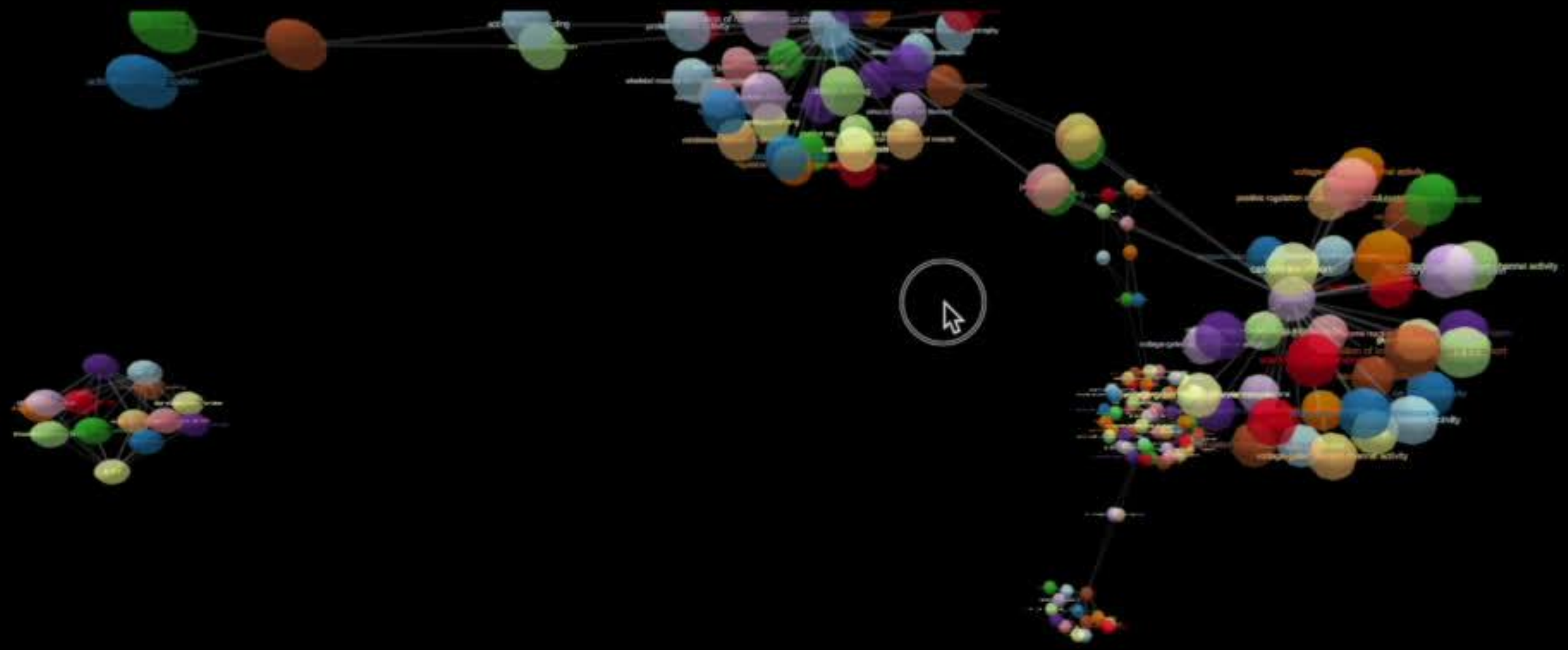
Number of nodes: 34 - Number of edges: 901 (7.14 seconds)

Search Keywords

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Accelerating Health and Scientific Discoveries using Space Biotech and AI