

## Biotechnology & Health:

### Gene Therapy and Drug Approvals

**Krystal Biotech's VYJUVEK:** Krystal Biotech announced significant progress for its gene therapy, VYJUVEK, which treats Dystrophic Epidermolysis Bullosa (DEB), a rare genetic skin disease. The company received approval from Japan's Ministry of Health, Labour and Welfare, and is preparing for a European launch in Germany and France following an earlier European Commission approval.

**Clinical Trials:** The company also dosed the first patient in its EMERALD-1 study for the treatment of Neuropathic Keratitis (NK) and provided an update on its Phase 1/2 study for non-small cell lung cancer.

**Puma Biotechnology:** Puma Biotechnology announced its intention to host a conference call to discuss its second quarter 2025 financial results on July 24, 2025, and also reported recent inducement awards.

### Health Technology and Policy

**Biotechnology Policy in India:** A Union Minister in India urged states to set up "BioE3 Cells" to support the country's biotechnology sector. The BioE3 Policy (Biotechnology for Economy, Environment and Employment) aims to foster high-performance biomanufacturing and boost employment.

**Healthtech Acquisitions:** In the health technology space, Medi Assist Insurance acquired Paramount TPA, and Polymed announced plans for global expansion through new plants and mergers and acquisitions.

**AI in Healthcare:** The healthcare sector saw several advancements in artificial intelligence. An AI-powered maternal and child care program was rolled out in Rayagada, India, and an AI-led claims platform was launched by Star Health and Medi Assist. JSS AHER and Google Research also teamed up for an AI healthcare breakthrough.

### Licensed by Google

**Biomedical Research:** India's Defence Research and Development Organisation (DRDO) and AIIMS Rishikesh partnered to conduct clinical trials for biomedical technology.

### Regulatory and Market Updates

**US FDA:** The U.S. Food and Drug Administration's top vaccine regulator resigned, which was followed by the agency launching a "listening tour" to gather input from biopharma leaders on innovation and policy.

**Financial News:** The biotech sector's financial performance remained a topic of interest, with reports highlighting that emerging biotechs were taking a more "bearish" approach to navigate market trends. Additionally, a new study found that semaglutide (a drug for diabetes and weight loss) may offer better protection against dementia compared to metformin.

Dear Aspirants,

Stay updated with **important lessons, tutorials, and announcements** by subscribing to our official

**WhatsApp Channel!**

Scan the QR code below to join and never miss an update!



spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



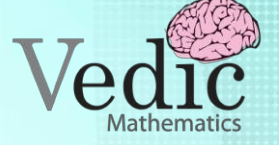
SpardhaGuru



Spardha.guru



www.spardha.guru



Thank you for your continued support and enthusiasm.

**Let's keep learning and growing together!**



## MCQS

1. Krystal Biotech's VYJUVEK, a gene therapy for Dystrophic Epidermolysis Bullosa (DEB), received approval from which country's regulatory body?

- A) EU European Commission
- B) US U.S. Food and Drug Administration (FDA)
- C) JP Japan's Ministry of Health, Labour and Welfare
- D) DE Germany's Federal Institute for Drugs and Medical Devices

**Answer:** C) JP Japan's Ministry of Health, Labour and Welfare

The provided text explicitly states that Krystal Biotech received approval for VYJUVEK from Japan's Ministry of Health, Labour and Welfare. The company also received an earlier European Commission approval and is preparing for a launch in Germany and France.

2. What is the primary goal of India's "BioE3 Cells" initiative, as urged by a Union Minister?

- A) To create new environmental regulations for biotech companies.
- B) To foster high-performance biomanufacturing and boost employment.
- C) To establish a new national biotech research center.
- D) To regulate the pricing of biotechnology products.

**Answer:** B) To foster high-performance biomanufacturing and boost employment. The text details that the BioE3 Policy stands for Biotechnology for Economy, Environment, and Employment, and its goal is to foster high-performance biomanufacturing and boost employment across the country.

3. In addition to a partnership between JSS AHER and Google Research for an AI healthcare breakthrough, which of the following AI-related advancements were mentioned in the text?

- A) A new AI-powered diagnostic tool for cancer screening.
- B) An AI-led claims platform launched by Star Health and Medi Assist.
- C) An AI-powered personal health tracker app.
- D) The development of an AI-powered surgical robot.

**Answer:** B) An AI-led claims platform launched by Star Health and Medi Assist. The text mentions that an AI-led claims platform was launched by Star Health and Medi Assist, and an AI-powered maternal and child care







spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



SpardhaGuru



Spardha.guru



www.spardha.guru

program was rolled out in Rayagada, India, in addition to the JSS AHER and Google Research partnership.

**4. According to the text, what action did the U.S. Food and Drug Administration (FDA) take after its top vaccine regulator resigned?**

- A) The agency immediately appointed a new regulator.
- B) The FDA launched a "listening tour" to gather input from biopharma leaders.
- C) The agency halted all new vaccine approvals.
- D) The FDA announced a new set of regulations for gene therapies.

**Answer:** B) The FDA launched a "listening tour" to gather input from biopharma leaders.

The text states that the resignation of the top vaccine regulator was followed by the FDA launching a "listening tour" to gather input from biopharma leaders on innovation and policy.



Dear Aspirants,

Stay updated with **important lessons, tutorials, and announcements** by subscribing to our official **YouTube Channel!**

**Scan the QR code below** to subscribe and never miss an update!

Thank you for your continued support and enthusiasm. Let's keep learning together!

