

How AI and Crowdsourcing Can Advance mRNA Vaccine Distribution

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Artificial intelligence is teaming with crowdsourcing to improve mRNA vaccines' thermostability — the ability to avoid breaking down under heat stress — making distribution more accessible worldwide.

In this episode of the NVIDIA AI Podcast , host Noah Kravitz interviews Bojan Tunguz, a physicist and senior system software engineer, and Johnny Israeli, senior manager of AI and cloud software, at NVIDIA.

The guests delved into AI's potential in drug discovery and Stanford's OpenVaccine competition , a machine-learning contest using crowdsourcing to tackle the thermostability challenges of mRNA vaccines.

OpenVaccine was hosted by Kaggle , an online machine-learning competition platform. Tunguz, a quadruple Kaggle grandmaster, shared how the platform has grown to encompass datasets, code and discussions, in addition to competitions. Participants can earn points, rankings and status achievements across these four areas.

The fusion of AI, crowdsourcing and machine learning is opening new possibilities in drug discovery and vaccine distribution. Tapping into the collective wisdom and skills of participants worldwide enables better problem-solving for complex challenges like thermostability.

Jules Anh Tuan Nguyen Explains How AI Lets Amputee Control Prosthetic Hand, Video Games

A postdoctoral researcher at the University of Minnesota discusses his efforts to allow amputees to control their prosthetic limb — right down to the finger motions — with their minds.

Overjet's Ai Wardah Inam on Bringing AI to Dentistry

Overjet, a member of the NVIDIA Inception program for startups, is moving fast to bring AI to dentists' offices. Dr. Wardah Inam, CEO of the company, discusses using AI to improve patient care.

Immunai CTO and Co-Founder Luis Voloch on Using Deep Learning to Develop New Drugs

Luis Voloch, co-founder and chief technology officer of Immunai, talks about tackling the challenges of the immune system with a machine learning and data science mindset.

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