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1,000 Scientist AI Jam Session: Advancing science with the U.S. national labs

OpenAI and nine national labs bring together leading scientists for first-of-its kind event.



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Energy's national labs, we're making our advanced AI models available to researchers pushing the frontiers of science and technology while strengthening U.S. leadership in AI.

Together, we organized a "1,000 Scientist AI Jam Session"—a first-of-its-kind event taking place today across nine national labs, bringing together over 1,000 scientists for a day to use AI to accelerate scientific discovery.

Nine national labs spanning the country—including Argonne, Berkeley, Brookhaven, Idaho, Livermore, Los Alamos, Oak Ridge, Pacific Northwest, and Princeton Plasma Physics—are participating in the event. Researchers will use frontier AI models, including OpenAI's o3-mini, to test problems in their respective scientific domains, evaluate model responses, and share feedback to improve future AI systems so that they are built with scientists' needs in mind. Findings from the event will be shared in a follow-up report about how AI models can be used by the scientific community.

U.S. Secretary of Energy Chris Wright will join OpenAI President and Co-Founder Greg Brockman at Oak Ridge National Laboratory to visit with scientists participating in today's event and discuss the importance of ensuring America continues to lead the world in scientific and technical innovation.

"One of our country's greatest assets—and an envy of the world—is the Department of Energy's network of national laboratories, which for decades have driven breakthroughs in science and technology, strengthened national security, and fueled American prosperity. Like the Manhattan Project, which brought together the world's best scientists and engineers for a patriotic effort that changed the world, AI development is a race that the United States must win. Today's collaboration of America's national labs and technology companies is an important step in our efforts to secure America's future." - U.S. Secretary of Energy Chris Wright

"Advancing scientific research is one of the most promising applications of AI. We're proud to work with the U.S. national labs to put our advanced technology into the hands of our country's top scientists. OpenAI believes working closely with the U.S. government is essential to unlocking AI's full potential. I want to thank Secretary Wright for his commitment to ensuring the U.S. continues to lead on AI, including

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This event builds on the long-standing tradition of U.S. government collaboration with private industry to drive technological progress—from science to healthcare, energy, security, and other critical fields. It also reflects OpenAI’s ongoing commitment to US AI leadership, and to equipping experts with safe and effective AI tools— turning data into insights, and insights into real-world solutions.

Last month, [OpenAI announced an agreement](#) with the National Labs to deploy an o-series reasoning model to accelerate breakthroughs in materials science, renewable energy, astrophysics, and more. We also [partnered with Los Alamos National Laboratory](#) to study how multimodal AI models can be used safely by scientists in laboratory settings to advance bioscientific research.

We appreciate the partnership of the Department of Energy and national labs to strengthen U.S. leadership in AI and science, and look forward to continued collaboration in laying the foundation for sustained innovation in AI-powered scientific discovery.

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