

Stay Calm and Science On: Sunday March 16, 2025

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# **SCIENCE AND MEDICINE**

## [Trump Administration Dismisses 140 CDC Disease Dete... | DeepNewz](https://deepnewz.com/trump-policy/trump-administration-dismisses-140-cdc-disease-detectives-amid-h5n1-bird-flu-610275ff)

The EIS, established in 1951, plays a critical role in responding to public health emergencies both domestically and internationally. The loss of these experts is seen as a significant blow to public health efforts, particularly as the H5N1 virus continues to circulate among poultry and cattle in the U.S., having infected nearly 70 people since early 2024 and causing one death. The dismissals have raised alarms about the nation's preparedness for emerging health threats. And then...

[CDC Calls Nearly 200 Fired Workers Back, Apologizes for 'Disruption' - Newsweek](https://www.newsweek.com/cdc-calls-nearly-200-fired-workers-back-apologizes-disruption-2040277)

[Entangled polymers and nanosheets create skin-like, self-healing hydrogel](https://phys.org/news/2025-03-entangled-polymers-nanosheets-skin-hydrogel.html?utm_source=nwletter&utm_medium=email&utm_campaign=daily-nwletter)
Four hours after being cut with a knife, the material is already 80 to 90% self-healed. After 24 hours, it is typically completely repaired. Furthermore, a one-millimeter-thick [hydrogel](https://phys.org/tags/hydrogel/) contains 10,000 layers of nanosheets, which makes the material as stiff as [human skin](https://phys.org/tags/human%2Bskin/), and gives it a comparable degree of stretch and flexibility.

[How to Check If You Have Immunity to Measles or Need Another Dose | Scientific American](https://www.scientificamerican.com/article/how-to-check-if-you-have-immunity-to-measles-or-need-another-dose/)
When researchers give monkeys fluorescently-labeled measles virus that makes their infected cells glow green, they can see, with the naked eye, the infected centers where immune memories are formed and stored throughout a monkey’s body. “The houses of immune memory in the gut, the bone marrow, and the lymphatic tissue are just glowing green,” Mina explains, “and everything that’s green is just dying. That’s why measles has such a profound effect on immune memory.

# **BEING HUMAN**

# [If you can spare me 6 minutes, you'll get 10 years of your life back - YouTube](https://www.youtube.com/watch?v=BeYjxa-dscc)

Five regrets people often have.

# **TECHNOLOGY**

# [Superintelligence Strategy](https://www.nationalsecurity.ai/) ( a business style paper)

# [Truly autonomous AI is on the horizon](https://www.sciencedaily.com/releases/2025/02/250210231820.htm)

Researchers have developed a new AI algorithm, called Torque Clustering, that is much closer to natural intelligence than current methods. It significantly improves how AI systems learn and uncover patterns in data independently, without human guidance.

## [The Most Useful Thing AI Has Ever Done Video](https://www.bing.com/videos/riverview/relatedvideo?q=The+Most+Useful+Thing+AI+Has+Ever+Done++Video&qs=n&sp=-1&lq=0&pq=the+most+useful+thing+ai+has+ever+done++video&sc=0-45&sk=&cvid=50F61AE9B0644437B60F229715022399&ghsh=0&ghacc=0&ghpl=&ajaxnorecss=1&sid=0506A944B2E06D673A23BCF4B36F6C7F&jsoncbid=0&ajaxsydconv=1&ru=%2fsearch%3fq%3dThe%2520Most%2520Useful%2520Thing%2520AI%2520Has%2520Ever%2520Done%2520%2520Video%26qs%3dn%26form%3dQBRE%26sp%3d-1%26lq%3d0%26pq%3dthe%2520most%2520useful%2520thing%2520ai%2520has%2520ever%2520done%2520%2520video%26sc%3d0-45%26sk%3d%26cvid%3d50F61AE9B0644437B60F229715022399%26ghsh%3d0%26ghacc%3d0%26ghpl%3d%26ajaxnorecss%3d1%26sid%3d0506A944B2E06D673A23BCF4B36F6C7F%26format%3dsnrjson%26jsoncbid%3d0%26ajaxsydconv%3d1&mmscn=vwrc&mid=0D587EC2CC56CC2BFCC10D587EC2CC56CC2BFCC1&FORM=WRVORC&ntb=1&msockid=830cd93302ae11f0b325c41fa6d9fba7)

# Advancements in Autonomous AI

A new AI algorithm called Torque Clustering has been developed to improve the autonomous learning capabilities of AI systems. This method brings AI closer to natural intelligence by enabling systems to uncover data patterns independently without human guidance.

## Techno feudalism

[https://www.youtube.com/watch?v=DPpsr7ZJbWc](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DDPpsr7ZJbWc&data=05%7C02%7C%7Cecc7f9d9bb7141d91e3e08dd6427c76a%7C84df9e7fe9f640afb435aaaaaaaaaaaa%7C1%7C0%7C638776844193816002%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=ba8bp3IsLruyT8%2F99ip9V%2F2tMGN68BRni%2BghQil6hFY%3D&reserved=0)

# **US POLITICS**

# [The Republican Party’s NPC Problem — and Ours | The Ezra Klein Show](https://player.fm/series/the-ezra-klein-show/the-republican-partys-npc-problem-and-ours) Video

NOTES:

o   Science-on will start at 7PM, and will use the Google Meet platform to meet.

o   I will send an email from Google Meet about 10 Minutes before the meeting..so “Around 7..a little before” you will get an email with something to click on.

o   **\*\*\*Please be sure your microphone and camera are on before you click on the Google Meet invite.**

**RULES:**

o   Although this is science and that means facts are inherent…We will probably not all agree on everything but we all must be respectful.  So the one rule we should uphold is that discussion is great and passion is too, but if the heat gets too hot while we are talking and goes in the direction of blustering name calling or similar --well…we will have to stop that discussion.

o   Also along the lines of respectfulness…If you provide a topic but cannot attend we will hold off on discussing until you are there.