



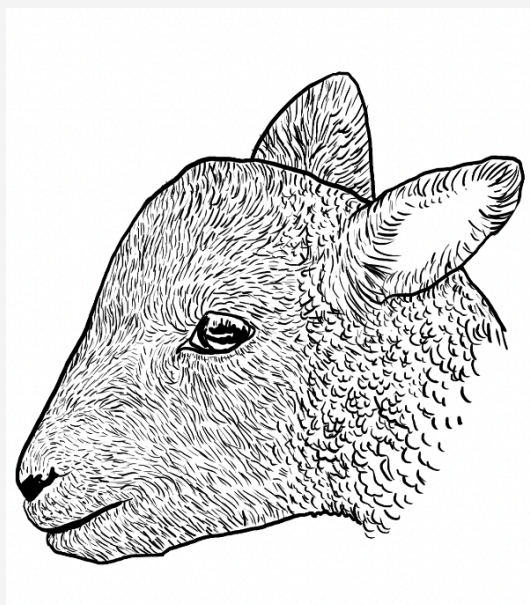
OCTOBER 2024

The Livescu Initiative on Neuro, Narrative and AI (NNAI)

Thinking at the intersection of the humanities, neuroscience and engineering.



Welcome to the Livescu Neuro, Narrative and AI Newsletter



The October edition of the NNAI Livescu Newsletter is here. We bring you the latest updates on our initiative, along with a roundup of relevant news and events in the Neuro, Narrative, and AI ecosystem.

Thank you for being part of our journey. Happy reading!



Coming to NNAI Livescu



We are delighted to invite you all to participate in our next public talk next 12th December at UCLA. We have invited [Joshua Dienstag](#) (University of Wisconsin-Madison) to talk about "[Why Turing Was Wrong: Machines, Language and Citizenship](#)", a talk aimed at the profound challenge that talking machines pose to traditional conceptions of the human.

Please RSVP in advance as there are limited seats available

RSVP

 **NNAI Livescu Events**

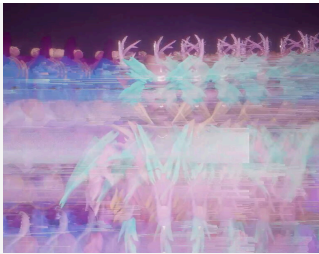


We recently started a deep inquiry on "[Material Intelligence as Historical Problem](#)" to generate new approaches to the question of how material (whether biological or inorganic) entities are correlated to, or "productive of," the concept-entity of "intelligence" and how it might be understood historically, as well as technically or biologically.

A few weeks ago we launched the project with the first meeting of the working group, that got everyone excited about the fresh perspectives when addressing this question!

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 **Upcoming Events Recommended by NNAI**



All Watched Over by Machines of Loving Grace

RedCat AI series that addresses the impact of artificial intelligence by proposing alternative directions for its future and how it changes the relationship between the human and non-human.

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PST Art: Art & Science Collide

PST ART creates opportunities for civic dialogue around some of the most urgent problems of our time by exploring past and present connections between art and science in a series of exhibitions, public programs, and other resources.

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Flux Festival

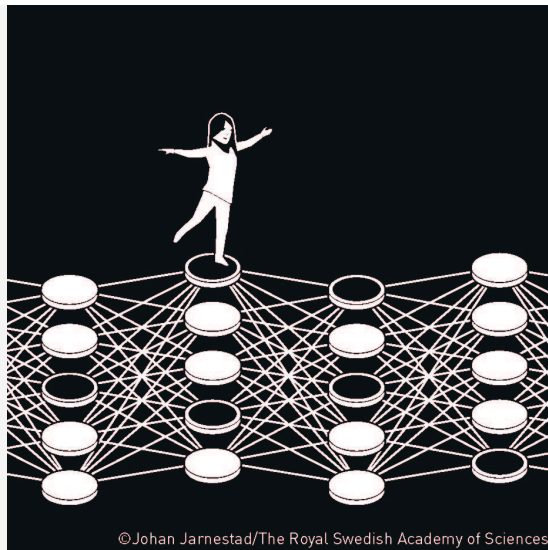
Flux is a festival of creativity showcasing bold innovations in moving image and sound as artists experiment with emerging tools and technologies.

Flux Festival presents an unparalleled snapshot of the global creative zeitgeist.

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Nobel Prize in Physics won by AI Pioneers

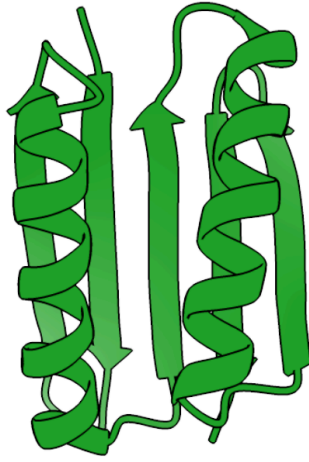


[The Royal Swedish Academy of Sciences](#) has decided to award the Nobel Prize in Physics 2024 to **John J. Hopfield** (Princeton University, NJ, USA) and **Geoffrey E. Hinton** (University of Toronto, Canada) for foundational discoveries and inventions that enable machine learning with artificial neural networks.

This year's two Nobel Laureates in Physics have used tools from physics to develop methods that are the foundation of today's powerful machine learning. John Hopfield created an associative memory that can store and reconstruct images and other types of patterns in data. Geoffrey Hinton invented a method that can autonomously find properties in data, and so perform tasks such as identifying specific elements in pictures.

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 **Nobel Prize in Chemistry won by Developers of AlphaFold AI that Predicts Protein Structures**

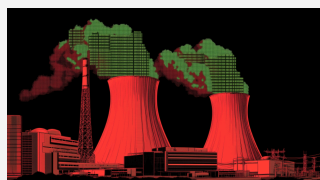
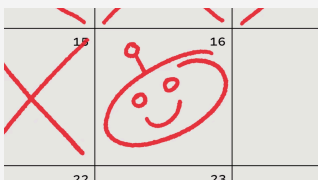


[The Royal Swedish Academy of Sciences](#) has decided to award the Nobel Prize in Chemistry 2024 with one half to **David Baker** (University of Washington, USA) for computational protein design and the other half jointly to **Demis Hassabis** (Google DeepMind, UK) and **John M. Jumper** (Google DeepMind, UK) for protein structure prediction.

The Nobel Prize in Chemistry 2024 is about proteins, life's ingenious chemical tools. David Baker has succeeded with the almost impossible feat of building entirely new kinds of proteins. Demis Hassabis and John Jumper have developed an AI model to solve a 50-year-old problem: predicting proteins' complex structures. These discoveries hold enormous potential.

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Sustenance for the Mind



The AI Boom Has an Expiration Date

Tech executives are setting deadlines for the arrival of superintelligence. They might regret it.

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Why AI is going Nuclear

Some of the largest tech companies on Earth are ready to embrace nuclear power again.

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AI has dreamt up a blizzard of new proteins. Do any of them actually work?

Protein-design competitions aim to sift out the functional from the fantastical.

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AI Is Exposing Who Really Has Power in Silicon Valley

Your data helped build ChatGPT. Where's your payout?

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A data bottleneck is holding AI science back, says new Nobel winner

AI's usefulness for scientific discovery will be stunted without high-quality data.

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You Don't Need Words to Think

Brain studies show that language is not essential for the cognitive processes that underlie thought

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