



# **Description**

The 2024 Nobel Prizes celebrate foundational discoveries that have made a lasting impact on global society and progress.

This year, artificial intelligence (AI) has taken center stage at the Nobel Prize announcements, as both the Physics and Chemistry categories recognized pioneering AI research. This spotlight on AI reaffirms its transformative potential in advancing interdisciplinary research.



## Meet the Noble Prize Winners of 2024!

### **Physics**

Created the 'Hopefield Network Model' that mimics the human brain processing, laying the foundation for Al





Deep Learning', whose algorithms power Al applications like image recognition and language translation

Chemistry
For computational protein design and protein structure prediction











### **Physiology**

For the discovery of mRNA & its role in post-transcriptional gene regulation





## Literature

For her intense poetic prose that confronts historical traumas and expos fragility of human life



#### Peace



#### **Economics**

how institutions are formed and affect prosperity



IMAGE CREDIT: Ill. Niklas Elmehed





Their work highlights how societal institutions significantly impact a country's prosperity. They showed that inclusive institutions foster long-term economic growth, whereas extractive institutions hinder it, explaining the wealth disparities between nations today.

The 2024 Nobel laureates have shaped modern machine learning, protein research, gene regulation, and institutional economics. They have pushed the boundaries of knowledge while also addressing pressing challenges, from historical reckonings to the fight for a world without nuclear weapons.

Their inspiring achievements serve as a testament to the power of innovation, resilience, and dedication in shaping a better future for all.

## Category

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- 2. Infographic



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