



## Nobel Prize Winners 2023



## Physiology or Medicine

### Katalin Karikó and Drew Weissman

They were jointly awarded for their discoveries concerning nucleoside base modifications that enabled the development of effective mRNA vaccines against COVID-19. Their groundbreaking findings have fundamentally changed our understanding of how mRNA interacts with our immune system.





## Physics

### Pierre Agostini, Ferenc Krausz, and Anne L'Huillier

They were awarded for their experimental methods that generate attosecond pulses of light for the study of electron dynamics in matter. They have given humanity new tools for exploring the world of electrons inside atoms and molecules.





# Chemistry

### Moungi Bawendi, Louis Brus, and Alexei Ekimov

They were awarded for their discovery and synthesis of quantum dots. These nanoparticles are so tiny that their size determines their properties, and they are now of great importance in nanotechnology.





### Literature

#### Jon Fosse

He was awarded for his innovative plays and prose which give voice to the unsayable. His immense oeuvre written in Norwegian Nynorsk and spanning a variety of genres consists of a wealth of plays, novels, poetry collections, essays, children's books, and translations.





### Peace

#### Narges Mohammadi

She was awarded for her fight against the oppression of women in Iran and her fight to promote human rights and freedom for all. Despite being imprisoned, she has helped ensure that protests against authorities' brutality and oppression of women have not ebbed out.





## **Economics Sciences**

### Claudia Goldin

She was awarded for having advanced our understanding of women's labour market outcomes. She provided the first comprehensive account of women's earnings and labour market participation through the centuries.

