

Nobel Prize 2013 & Some Other Prizes

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ABSTRACT

Nobel Prizes for 2013 were announced in early October 2013. Templeton Prize for spiritual progress was announced back in April 2013. The latest are the Fundamental Physics Prize for 2014 and Breakthrough Prize in Life Sciences for 2014 announced on December 12, 2013. A new prize "Breakthrough Prize in Mathematics" is planned by Yuri Milner and Mark Zuckerberg.

Key Words: Nobel Prize, Templeton Prize, Fundamental Physics Prize, Breakthrough Prize in Life Sciences, Breakthrough Prize in Mathematics.

Nobel Prize 2013 (Source: <http://nobelprize.org>)

Nobel Prizes for 2013 were announced in early October 2013:

The Nobel Prize in Physics 2013 was awarded jointly to François Englert and Peter W. Higgs "for the theoretical discovery of a mechanism that contributes to our understanding of the origin of mass of subatomic particles, and which recently was confirmed through the discovery of the predicted fundamental particle, by the ATLAS and CMS experiments at CERN's Large Hadron Collider".

The Nobel Prize in Chemistry 2013 was awarded jointly to Martin Karplus, Michael Levitt and Arieh Warshel "for the development of multiscale models for complex chemical systems".

The Nobel Prize in Physiology or Medicine 2013 was awarded jointly to James E. Rothman, Randy W. Schekman and Thomas C. Südhof "for their discoveries of machinery regulating vesicle traffic, a major transport system in our cells".

The Nobel Prize in Literature 2013 was awarded to Alice Munro "master of the contemporary short story".

The Nobel Peace Prize 2013 was awarded to Organisation for the Prohibition of Chemical Weapons "for its extensive efforts to eliminate chemical weapons".

The Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 2013 was awarded jointly to Eugene F. Fama, Lars Peter Hansen and Robert J. Shiller "for their empirical analysis of asset prices".

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Templeton Prize 2013 (Source: <http://templetonprize.org>)

Templeton Prize for spiritual progress was announced back in April 2013: Desmond Tutu, the former Anglican archbishop of Cape Town, has been awarded the 2013 Templeton Prize for his life-long work in advancing spiritual principles such as love and forgiveness which has helped to liberate people around the world.

Fundamental Physics Prize for 2014 (Source: <http://fundamentalphysicsprize.org>)

The Fundamental Physics Prize for 2014 was announced on December 12, 2013:

“The Breakthrough Prize in Fundamental Physics recognizes transformative achievements in the field of fundamental physics, with a special focus on recent developments. The 2014 winners are: Michael B. Green, University of Cambridge, and John H. Schwarz, California Institute of Technology, for opening new perspectives on quantum gravity and the unification of forces.”

Breakthrough Prize in Life Sciences for 2014

(Source: <http://breakthroughprizeinlifesciences.org>)

The Breakthrough Prize in Life Sciences for 2014 was also announced on December 12, 2013:

“The Breakthrough Prize in Life Sciences recognizes excellence in research aimed at curing intractable diseases and extending human life. The 2014 recipients are:

- James Allison, MD Anderson Cancer Center *for the discovery of T cell checkpoint blockade as effective cancer therapy.*
- Mahlon DeLong, Emory University *for defining the interlocking circuits in the brain that malfunction in Parkinson's disease. This scientific foundation underlies the circuit-based treatment of Parkinson's disease by deep brain stimulation.*
- Michael Hall, University of Basel *for the discovery of Target of Rapamycin (TOR) and its role in cell growth control.*
- Robert Langer, David H. Koch Institute Professor at the Massachusetts Institute of Technology *for discoveries leading to the development of controlled drug-release systems and new biomaterials.*
- Richard Lifton, Yale University; Howard Hughes Medical Institute *for the discovery of genes and biochemical mechanisms that cause hypertension.*
- Alexander Varshavsky, California Institute of Technology *for discovering critical molecular determinants and biological functions of intracellular protein degradation.”*

Breakthrough Prize in Mathematics (Source: <http://fundamentalphysicsprize.org/news>)

On December 12, 2013, “Mark Zuckerberg and Yuri Milner announced new \$3,000,000 Breakthrough Prize in Mathematics.”

References

1. <http://nobelprize.org>
2. <http://templetonprize.org>
3. <https://fundamentalphysicsprize.org/news>
4. <https://breakthroughprizeinlifesciences.org/news>