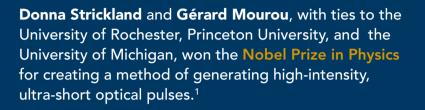
U.S. UNIVERSITIES POWERED THIS YEAR'S NOBEL PRIZE BREAKTHROUGHS

THE NOBEL PRIZE

Fundamental research leads to life-changing discoveries, but it can take scientists years to produce groundbreaking science. After decades of investigation — including fundamental research conducted on university campuses throughout the United States, this year's Nobel Prize Laureates have been recognized for their transformative contributions to the world.







Arthur Ashkin, who received his B.S. from Columbia University, won the Nobel Prize in Physics for optical tweezers and their application to biological systems.²

Frances H. Arnold, with ties to Princeton University and UC Berkeley, won the Nobel Prize in Chemistry for the directed evolution of enzymes.³



Berkeley

Berkeley

James P. Allison, with ties to UC Berkeley, won the Nobel Prize in Medicine for the discovery of cancer therapy by inhibition of negative immune regulation.⁴

William D. Nordhaus, with ties to Yale University and Massachusetts Institute of Technology, won the Nobel Prize in Economic Sciences for integrating climate change into long-run macroeconomic analysis.⁵





Paul M. Romer, with ties to New York University, UC Berkeley, Stanford University, University of Rochester, and Massachusetts Institute of Technology, won the Nobel Prize in Economic



Sciences for integrating technological innovations into long-run macroeconomic analysis, validating the value of long-term, fundamental research.



To learn more about the universities behind fundamental science breakthroughs, visit: www.sciencecoalition.org



RESOURCES

- 1. https://www.nobelprize.org/prizes/physics/2018/mourou/facts/ https://www.nobelprize.org/prizes/physics/2018/strickland/facts/
- 2. https://www.nobelprize.org/prizes/physics/2018/ashkin/facts/
- 3. https://www.nobelprize.org/prizes/chemistry/2018/arnold/facts/
- 4. https://www.nobelprize.org/prizes/medicine/2018/allison/facts/
- 5. https://www.nobelprize.org/prizes/economic-sciences/2018/nordhaus/facts/
- 6. https://www.nobelprize.org/prizes/economic-sciences/2018/romer/facts/