A Nobel prize timeline
light, masers and lasers,
and their applications

1901 Röntgen X-rays
Physics

1902 Lorentz and Zeeman
The Zeeman Effect, Electron Oscillator Model
Physics

1903 Finsen
Phototherapy-use of UV Light to Treat Lupus
Physiology or Medicine

1907 Michelson
The Michelson Interferometer & Precision Measurements
Physics

1908 Lippmann
Colour Photography Based on Interference
Physics

1911 Gullstrand
Description of the Refractive Optics of the Eye
Physiology or Medicine

1917 Dalén
Sail-Based Regulator for Buys and Lighthouses
Physics

1918 Planck
Energy Quanta
Physics

1919 Stark
The Stark Effect
Physics

1921 Einstein
Photoelectric Effect & Services to Theoretical Physics
Physics

1927 Bohr
Atomic Structure and the Nature of Radiation
Physics

1923 Millikan
Elementary Charge and the Photoelectric Effect
Physics

1927 Compton
The Compton Effect
Physics

1930 Raman
Raman Scattering
Physics

1937 Heisenberg
Creation of Quantum Mechanics
Physics

1935 Schrödinger and Dirac
New Postulate Forms of Atomic Theory
Physics

1945 Pauli
Pauli Exclusion Principle
Physics

1952 Zernike
Phase Contrast Microscope
Physics

1954 Born
Statistical Interpretation of the Wavefunction
Physics

1955 Lamb
Fine Structure of the H Spectrum (Lamb Shift, QED)
Physics

1964 Townes, Basov, and Prokhorov
Maser-Laser Principle
Physics

1966 Kastler
Precision Studies of Optical Resonances
Physics

1957 Granit, Hartline, and Wald
Physiological and Chemical Visual Processes in the Eye
Physiology or Medicine

1957 Eigen, Norrish, and Porter
Flashlamp Pump-probe Studies of Chemical Reactions
Chemistry

1957 Herzberg
Molecular Spectroscopy
Physics

1961 Bloembergen and Schawlow
Laser Spectroscopy
Physics

1961 Hubel and Wiesel
Information Processing in the Visual System
Physiology or Medicine

1968 Ramsay, Dehmelt, and Paul
Atomic Clocks, the Ion Trap
Physics

1957 Chu, Cohen-Tannoudji, and Phillips
Laser Cooling and Trapping
Chemistry

1958 Zewail
Femtochemistry
Physics

2000 Alferov and Kroemer
Optoelectronics, Semiconductor Heterostructures
Physics

2001 Cornél, Ketterle, and Wieman
Bose-Einstein Condensation
Physics

2005 Glauber, Hall, and Hänsch
Quantum Optics, Spectroscopy, Optical Frequency Comb
Chemistry

2008 Shimomura, Chalfie, and Tsien
Green Fluorescent Protein GFP
Chemistry

2009 Kane, Boyle, and Smith
Optical Fiber Communications; Imaging and the CCD
Physics

2017 Haroche and Wineland
Individual Quantum Systems
Physics

2015 Akasaki, Amano, and Nakamura
The Blue LED and Energy-saving White Light Sources
Chemistry

2013 Betzig, Hell, and Moerner
Super-Resolution Microscopy
Physics

2013 Ashkin, Mourou, and Strickland
Optical Tweezers & Biophotonics
Physics

2002 Aspect, Clauser, and Zeilinger
Quantum Entanglement
Physics

2005 A. L'Huillier, Fleischhauer, and Lukens
Femtosecond Pulses
Chemistry

2018 Bawendi, Brus, and Ekimov
Quantum Dots
Chemistry