Nobel Women of Science

Next month, the Nobel Prizes for 2021 will be announced. Here we look at women who have received the Nobel Prize in physics, chemistry and physiology or medicine. For a closer look at recent advances in optics based on the 2020 Chemistry Nobel winners' research, see this month's cover story (p. 24).

NOBEL PRIZE IN PHYSICS





2020: Andrea Ghez Discovery of a supermassive compact object at the centre of our galaxy



2018: Donna Strickland: Practical implementation of chirped-pulse amplification



1963: Maria Goeppert Mayer: Discoveries concerning nuclear shell structure



1903: Marie Curie (née Sklodowska): Research on radiation phenomena discovered by Henri Becquerel

NOBEL PRIZE IN PHYSIOLOGY OR MEDICINE



2015: Tu Youyou: Discoveries concerning a novel therapy against malaria

2014: May-Britt Moser: Discoveries of cells that constitute a positioning system in the brain

2009: Elizabeth H. Blackburn and Carol W. Greider: Discovery of how chromosomes are protected by telomeres and the enzyme telomerase

2008: Françoise Barré-Sinoussi: Discovery of human immunodeficiency virus

2004: Linda B. Buck: Discoveries of odorant receptors and the organization of the olfactory system

1995: Christiane Nüsslein-Volhard: Discoveries concerning the genetic control of early embryonic development

1988: Gertrude B. Elion: Discoveries of important principles for drug treatment

1986: Rita Levi-Montalcini: Discoveries of growth factors

1983: Barbara McClintock: Discovery of mobile genetic elements

1977: Rosalyn Yalow: Development of radioimmunoassays of peptide hormones

1947: Gerty Theresa Cori (née Radnitz): Discovery of the course of the catalytic conversion of glycogen

NOBEL PRIZE IN CHEMISTRY



2020: Emmanuelle Charpentier and Jennifer A. Doudna: Development of a method for genome editing

1964: Dorothy

Crowfoot Hodgkin:

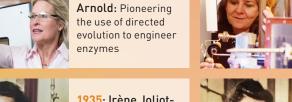
Determination of the

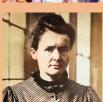
structure of vitamin

B12 and penicillin



2018: Frances H. Arnold: Pioneering the use of directed evolution to engineer enzvmes





ribosome 1911: Marie Curie

2009: Ada E.

Yonath: Studies

of the structure

and function of the



1935: Irène Joliot-Curie: Recognition of the synthesis of new radioactive elements



(née Sklodowska): Discovery of the elements radium and polonium