

CHEMISTRY ADVENT 2018

17

1940



GLENN SEABORG

1912-1999

10

Principal or co-discoverer of ten of the transuranium elements.

132I

Jointly discovered an important radioisotope of iodine, iodine-131, which is used to treat thyroid disease

Proposed the addition of the actinide series to the periodic table

Sg

Seaborgium, named after him, is the first element named after a living person

1942



ASIMA CHATTERJEE

1917-2006



In 1944, became the first Indian woman to earn a doctorate in science



Investigated alkaloids, coumarins, and other organic compounds found in plants in the Indian subcontinent for their therapeutic uses



Developed an anti-epilepsy drug and several anti-malarial drugs from the plant compounds that she studied

1944

1946

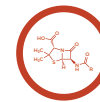


DOROTHY HODGKIN

1910-1994



A pioneer in using X-ray crystallography to determine structures of biomolecules



In 1945, used X-ray crystallography to determine the structure of penicillin. Subsequently determined the structures of vitamin B₁₂ and insulin



Won the Nobel Prize in Chemistry in 1964. She is the only British woman to have won a Nobel Prize in any science

1948

