

# AARON CIECHANOVER



## Nobel Laureate Israeli biologist

Aaron Ciechanover won the Nobel Prize shared with Dr. Avram Hershko and Dr. Irwin A. Rose in Chemistry in 2004 for characterizing the method that cells use to degrade and recycle proteins using ubiquitin.

## CAREER

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Aaron Ciechanover was born in Haifa in 1947. He received his M.Sc. (1971) and M.D. (1973) from the Hebrew University in Jerusalem. After completing his national service (1973-1976) as military physician, he continued his studies to obtain a doctorate in biological sciences in the Faculty of Medicine in the Technion (1982).

There, as a graduate student with Dr. Avram Hershko and in collaboration with Dr. Irwin A. Rose from the Fox Chase Cancer Center in Philadelphia, USA, they discovered that covalent attachment of ubiquitin to a target protein signals it for degradation. In 2004 they received the Nobel Prize in Chemistry for characterizing the method that cells use to degrade and recycle proteins using ubiquitin. He is currently a Distinguished Research Professor in the Faculty of medicine at the Technion – Israel Institute of Technology in Haifa, Israel.

## PROFESSIONAL ACHIEVEMENTS

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- member of the Israeli National Academy of Sciences and Humanities
- member of The European Molecular Biology Organization (EMBO)
- member of the American Academy of Arts and Sciences (Foreign Fellow)
- member the American Philosophical Society
- member the National Academies of Sciences (NAS) and Medicine (NAM) of the USA (Foreign Associate)
- member of the Pontifical Academy of Sciences at the Vatican
- member of the Chinese Academy of Sciences (CAS; Foreign Member)
- member of the Russian Academy of Sciences (Foreign Member)
- member of the German Academy of Sciences (Leopoldina)
- 2000 - Albert Lasker Award
- 2002 - EMET Prize
- 2003 - Israel Prize
- 2004 - Nobel Prize in Chemistry