

# Recent winners of the Nobel Medicine Prize

October 7 2019

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Credit: Wikipedia

Here is a list of the winners of the Nobel Medicine Prize in the past 10 years following the announcement of the 2019 award on Monday:

[2019: William Kaelin and Gregg Semenza of the US and Britain's Peter Ratcliffe](#) for establishing the basis of our understanding of how [cells](#) react and adapt to different oxygen levels.

2018: Immunologists James Allison of the US and Tasuku Honjo of Japan, for figuring out how to release the immune system's brakes to allow it to attack [cancer cells](#) more efficiently.

2017: US geneticists Jeffrey Hall, Michael Rosbash and Michael Young for their discoveries on the [internal biological clock](#) that governs the wake-sleep cycles of most living things.

2016: Yoshinori Ohsumi (Japan) for his work on autophagy—a process whereby cells "eat themselves"—which when disrupted can cause Parkinson's and diabetes.

2015: William Campbell (US citizen born in Ireland) and Satoshi Omura (Japan), Tu Youyou (China) for unlocking treatments for malaria and roundworm.

2014: John O'Keefe (Britain, US), Edvard I. Moser and May-Britt Moser (Norway) for discovering how the brain navigates with an "inner GPS".

2013: Thomas C. Suedhof (US citizen born in Germany), James E. Rothman and Randy W. Schekman (US) for work on how the cell organises its transport system.

2012: Shinya Yamanaka (Japan) and John B. Gurdon (Britain) for

discoveries showing how adult cells can be transformed back into stem cells.

2011: Bruce Beutler (US), Jules Hoffmann (French citizen born in Luxembourg) and Ralph Steinman (Canada) for work on the body's [immune system](#).

2010: Robert G. Edwards (Britain) for the development of in-vitro fertilisation.

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