

Kyoto

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News

[Induced pluripotent stem cells](#) (also known as iPS cells or iPSCs) are a type of [pluripotent stem cell](#) that can be generated directly from adult [cells](#). The iPSC technology was pioneered by Shinya Yamanaka's lab in [Kyoto, Japan](#), who showed in [2006](#) that the introduction of four specific genes encoding [transcription factors](#) could convert adult cells into pluripotent stem cells.

He was awarded the [2012](#) Nobel Prize along with Sir John Gurdon "for the discovery that mature cells can be reprogrammed to become pluripotent."

Publications

see [Kyoto publications](#).

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Last update: **2024/06/07 02:57**

