

# Generation Of Human Ips Cells By A Synthetic Self-Replicative Rna

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## TECHNOLOGY DESCRIPTION

The generation of human induced Pluripotent Stem (iPS) cells holds great promise for development of stem cell therapies to treat a wide range of human diseases. However, the generation of iPS cells in the absence of integrative DNA vectors remains problematic. UCSD researchers have developed a simple, iPS generation approach to express reprogramming factors. Introduction of the vector into human fibroblasts results in the efficient generation of iPS cells with all the hallmarks of stem cells, including cell surface markers, global gene expression profiles and in vivo pluripotency to differentiate into all three germ layers.

## PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,370,646	08/06/2019	2012-374
United States Of America	Issued Patent	9,862,930	01/09/2018	2012-374
United States Of America	Published Application	19-0338252	11/07/2019	2012-374

## CONTACT

University of California, San Diego  
Office of Innovation and  
Commercialization  
[innovation@ucsd.edu](mailto:innovation@ucsd.edu)  
tel: 858.534.5815.



## OTHER INFORMATION

### CATEGORIZED AS

- Medical
- Stem Cell

### RELATED CASES

2012-374-0

University of California, San Diego  
Office of Innovation and Commercialization  
9500 Gilman Drive, MC 0910, ,  
La Jolla, CA 92093-0910

Tel: 858.534.5815  
[innovation@ucsd.edu](mailto:innovation@ucsd.edu)  
<https://innovation.ucsd.edu>  
Fax: 858.534.7345

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