

## iPS cell publications & timeline

- **Shinya Yamanaka**, Pluripotency and Nuclear Reprogramming, Keystone conference, 28 March 2006; [www.keystonesymposia.org/Meetings/ViewPastMeetings.cfm?MeetingID=786](http://www.keystonesymposia.org/Meetings/ViewPastMeetings.cfm?MeetingID=786)
- **Shinya Yamanaka**, Identification Of Factors That Generate ES-Like Pluripotent Cells From Fibroblast Culture, ISSCR meeting, Toronto, July 2006; [www.abstracronline.com/viewer/viewAbstractPrintFriendly.asp?CKey={23482185-19E3-4771-B8CF-FDBD125BAB66}&SKey={9426630B-B824-4F8F-93F7-6C940384237C}&MKey={743B38D5-9EAD-49CC-B2C5-497EBCE87271}&AKey={70E49A1A-9665-43B3-8BAA-55C6A8F9A624}](http://www.abstracronline.com/viewer/viewAbstractPrintFriendly.asp?CKey={23482185-19E3-4771-B8CF-FDBD125BAB66}&SKey={9426630B-B824-4F8F-93F7-6C940384237C}&MKey={743B38D5-9EAD-49CC-B2C5-497EBCE87271}&AKey={70E49A1A-9665-43B3-8BAA-55C6A8F9A624})
- Gretchen Vogel, “Four genes confer embryonic potential”, *Science* 313, 27, 7 July 2006; published online 3 July 2006; doi: 10.1126/science.313.5783.27
- Erika Check, “Simple recipe gives adult cells embryonic powers”, *Nature* 442, 11, 6 July 2006; published online 4 July 2006; doi: 10.1038/442011a

### PEER-REVIEWED PUBLICATIONS

**(Primary research literature, excluding commentaries)**

**(NOTE: bolding to emphasize important points, yellow highlight for human iPS cells)**

1. Takahashi K and Yamanaka S, **Induction of pluripotent stem cells** from mouse embryonic and adult fibroblast cultures **by defined factors**, *Cell* 126, 663-676, 25 August 2006, doi: 10.1016/j.cell.2006.07.024
2. Okita K *et al.*, Generation of **germline-competent induced pluripotent stem cells**, *Nature* 448, 313-317, 19 July 2007; online 6 June 2007, doi: 10.1038/nature05934
3. Wernig M *et al.*, **In vitro reprogramming** of fibroblasts **into a pluripotent ES-cell-like state**, *Nature* 448, 318-324, 19 July 2007; published online 6 June 2007, doi: 10.1038/nature05944
4. Maherali N *et al.*, Directly reprogrammed fibroblasts show global epigenetic remodeling and widespread tissue contribution, *Cell Stem Cell* 1, 55-70, July 2007; published online 6 June 2007, doi: 10.1016/j.stem.2007.05.014
5. Meissner A *et al.*, Direct reprogramming of genetically unmodified fibroblasts into pluripotent stem cells, *Nature Biotechnology* 25, 1177-1181, October 2007; published online 27 August 2007, doi: 10.1038/nbt1335
6. Blolloch R *et al.*, Generation of induced pluripotent stem cells in the absence of drug selection, *Cell Stem Cell* 1, 245-247, Sept 2007, doi: 10.1016/j.stem.2007.08.008
7. Takahashi K *et al.*, Induction of pluripotent stem cells **from adult human fibroblasts by defined factors**, *Cell* 131, 861-872, 30 November 2007; published online 20 November 2007, doi: 10.1016/j.cell.2007.11.019
8. Yu J *et al.*, Induced pluripotent stem cell lines derived **from human somatic cells**, *Science* 318, 1917-1920, 21 December 2007, published online 20 November 2007, doi: 10.1126/science.1151526
9. Nakagawa M *et al.*, Generation of induced pluripotent stem cells **without Myc** from mouse and **human** fibroblasts, *Nature Biotechnology* 26, 101-106, January 2008, published online 30 November 2007, doi: 10.1038/nbt1374
10. Hanna J *et al.*, **Treatment of sickle cell anemia mouse model** with iPS cells generated from autologous skin, *Science* 318, 1920-1923, 21 December 2007, online 6 Dec 2007, doi: 10.1126/science.1152092

11. Park I-H *et al.*, Reprogramming of **human** somatic cells to pluripotency with defined factors, *Nature* 451, 141-147, 10 January 2008, published online 23 December 2007, doi: 10.1038/nature06534
12. Wernig W *et al.*, **C-Myc is dispensable** for direct reprogramming of mouse fibroblasts, *Cell Stem Cell* 2, 10-12, 10 January 2008, published online 28 December 2007, doi: 10.1016/j.stem.2007.12.001
13. Yamanaka S, Induction of pluripotent stem cells from mouse fibroblasts by four transcription factors, *Cell Proliferation* 41 (suppl 1), 51-56, January 2008, doi: 10.1111/j.1365-2184.2008.00493.x ([www3.interscience.wiley.com/journal/119410896/abstract](http://www3.interscience.wiley.com/journal/119410896/abstract))
14. Brambrink T *et al.* Sequential expression of pluripotency markers during direct reprogramming of mouse somatic cells, *Cell Stem Cell* 2, 151-159, 7 February 2008, online 6 February 2008, doi: 10.1016/j.stem.2008.01.004
15. Aoi T *et al.*, Generation of pluripotent stem cells **from adult mouse liver and stomach** cells, *Science* 321, 699-702, corrected 1 August 2008; published online 14 February 2008, doi:10.1126/science.1154884
16. Stadtfeld M *et al.*, Defining molecular cornerstones during fibroblast to iPS cell reprogramming in mouse, *Cell Stem Cell* 2, 230-240, March 2008, published online 14 February 2008, doi:10.1016/j.stem.2008.02.001
17. Lowry WE *et al.*, Generation of **human** induced pluripotent stem cells from dermal fibroblasts, *Proc. Natl. Acad. Sci. USA* 105, 2883-2888, 26 February 2008; published online 16 February 2008, doi: 10.1073/pnas.0711983105
18. Wernig M *et al.*, Neurons derived from reprogrammed fibroblasts functionally integrate into the fetal brain and **improve symptoms of rats with Parkinson's disease**, *Proc. Natl. Acad. Sci. USA* 105, 5856-5861, 15 April 2008, doi: 10.1073/pnas.0801677105
19. Hanna J *et al.*, Direct reprogramming of **terminally differentiated mature B lymphocytes** to pluripotency, *Cell* 133, 250-264, 18 April 2008, doi: 10.1016/j.cell.2008.03.028
20. Schenke-Layland K *et al.*, Reprogrammed Mouse Fibroblasts **Differentiate into Cells of the Cardiovascular and Hematopoietic Lineages**, *Stem Cells* 26, 1537-1546, June 2008; published online 1 May 2008, doi: 10.1634/stemcells.2008-0033
21. Liao J *et al.*, **Enhanced efficiency** of generating induced pluripotent stem (iPS) cells from **human** somatic cells by a combination of six transcription factors, *Cell Research* 18, 600-603, May 2008, doi: 10.1038/cr.2008.51
22. Stadtfeld M *et al.*, Reprogramming of **pancreatic  $\beta$  cells into induced pluripotent stem cells**, *Current Biology* 18, 890-894, 24 June 2008, published online 22 May 2008, doi: 10.1016/j.cub.2008.05.010
23. Mikkelsen TS *et al.*, Dissecting direct reprogramming through integrative genomic analysis, *Nature* 454, 49-56, 3 July 2008; published online 28 May 2008, doi: 10.1038/nature07056
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27. Park I-H *et al.* Generation of **human-induced pluripotent stem cells**, *Nature Protocols* 3, 1180-1186, July 2008; published online 26 June 2008, Corrected online 4 September 2008, doi: 10.1038/nprot.2008.92

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29. Wernig M *et al.*, A **drug-inducible transgenic system** for direct reprogramming of multiple somatic cell types, *Nature Biotechnology* 26, 916-924, August 2008; published online 1 July 2008; doi: 10.1038/nbt1483
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31. Narazaki G *et al.*, Directed and systematic **differentiation of cardiovascular cells** from mouse induced pluripotent stem cell, *Circulation* 118, 498-506, 29 July 2008, published online 14 July 2008, doi: 10.1161/CIRCULATIONAHA.108.769562
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