

## Cell Research press release

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**[A master recipe for making iPS cells](#)**

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A method for generating induced pluripotent stem cells (iPS cells) that may be faster and require fewer factors than current techniques has been identified and is published online this week in *Cell Research*.

Duanqing Pei and colleagues investigated the various factors involved in inducing pluripotency, using a rational method of optimization. They define a more efficient system for reprogramming mouse fibroblasts. This reprogramming system is an ideal platform for understanding the individual contribution of different medium supplements and reprogramming factors.

iPS cells offer researchers the opportunity to understand the regulation of cell fate determination at the biochemical, molecular and cellular levels. Until now, low efficiency, slow kinetics and multi-factorial requirements have created a bottleneck in this process. The new method should side-step this bottleneck and allow improved mechanistic dissection of somatic reprogramming in the future.

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