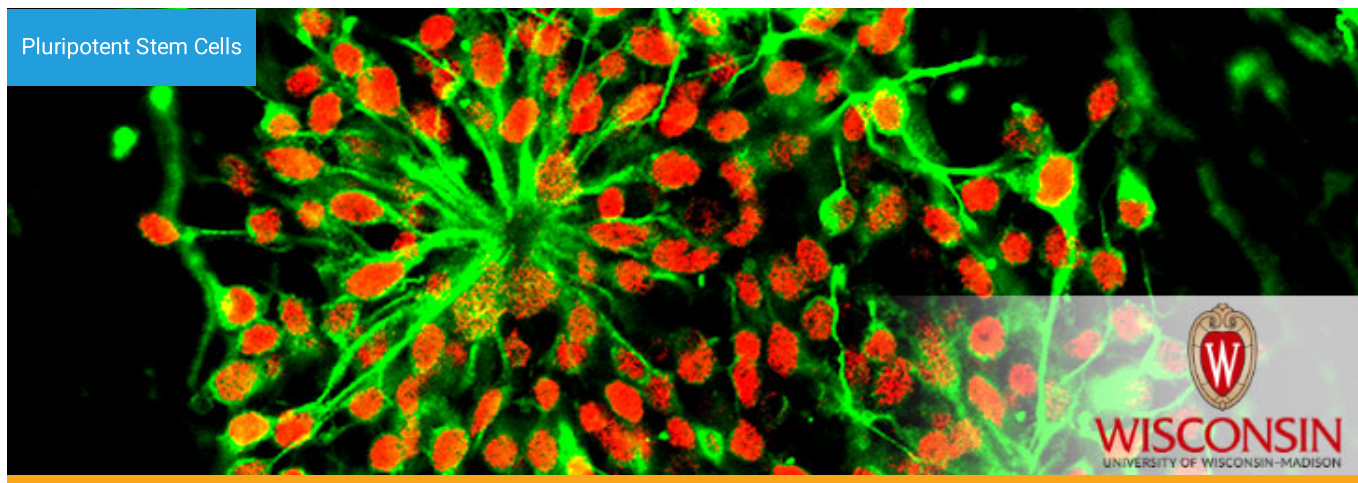




## Methods And Devices For Differentiating Pluripotent Stem Cells Into Cells Of The Pancreatic Lineage

[View U.S. Patent No. 8,685,730 in PDF format.](#)

**WARF: P110310US02**

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### The Invention

Methods and devices for culturing human pluripotent stem cells to produce cells of the pancreatic lineage are disclosed. The methods include steps of culturing the stem cells under conditions that induce the expression of mesendoderm/primitive streak and definitive endoderm markers in a chemically defined medium including an effective amount of i) fibroblast growth factor, ii) Activin A, and iii) bone morphogenetic protein. The methods further include the steps of culturing cells under conditions favoring the formation of at least one of intact embryoid bodies and pancreatic progenitor PDX1+Ins- cells.

### Additional Information

#### For More Information About the Inventors

- [Jon Odorico](#)

#### Tech Fields

- [Pluripotent Stem Cells : Differentiation](#)

For current licensing status, please contact Andy DeTienne at [adetienne@warf.org](mailto:adetienne@warf.org) or 608-960-9857