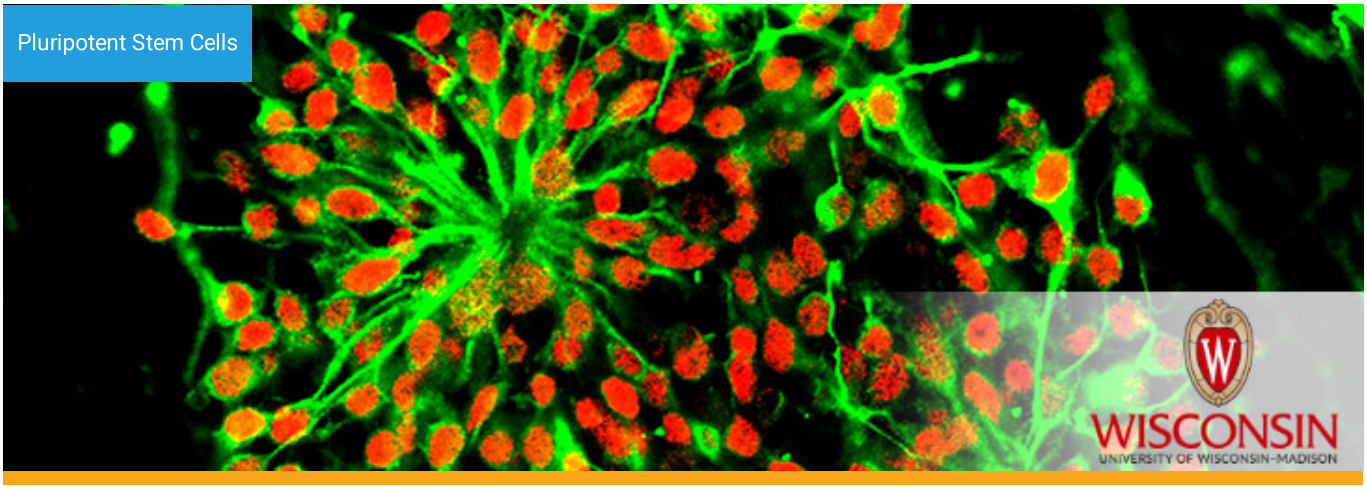

Generation Of Cardiomyocytes From Human Pluripotent Stem Cells

View U.S. Patent No. 8,951,798 in PDF format.

WARF: P110259US02

Inventors: Sean Palecek, Timothy Kamp, Xiaojun Lian

The Invention

Methods for generating high-yield, high-purity cardiomyocyte progenitors or cardiomyocytes from pluripotent cells are described. Wnt/β-catenin signaling is first activated in pluripotent cells, e.g., by inhibition of Gsk-3 to obtain a first population of cells. Wnt/β-catenin signaling is then inhibited in the first cell population to induce cardiogenesis under fully defined, growth factor free culture conditions.

Additional Information

For More Information About the Inventors

- Sean Palecek
- Timothy Kamp

Tech Fields

- Pluripotent Stem Cells : Differentiation

For current licensing status, please contact Andy DeTienne at adetienne@warf.org or 608-960-9857