



## EFFICIENT DIFFERENTIATION OF SECOND HEART FIELD CARDIAC PROGENITOR CELLS AND RIGHT VENTRICLE CARDIOMYOCYTES FROM HUMAN PLURIPOTENT STEM CELLS

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### The Invention

UW-Madison researchers have developed methods for deriving right ventricle-like cardiomyocytes from second heart field (SHF) cardiac progenitors. The addition of insulin or the inhibition of endogenous BMP signaling during mesoderm induction in the GiWi protocol generates preferentially SHF progenitor cells that give rise to RV-like hPSC-CMs.

### Additional Information

#### For More Information About the Inventors

- [Timothy Kamp](#)

#### Tech Fields

- [Pluripotent Stem Cells : Culture](#)
- [Pluripotent Stem Cells : Differentiation](#)

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