

# **Stem Cells & Genomics: From Precision Medicine to Clinical Trial in Dish**

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## **Abstract:**

Recent technological advancement has enabled the generation of patient-specific and disease-specific human induced pluripotent stem cell (iPSCs) in vitro. These iPSCs carry all the genetic information from the individuals from whom they are derived. Here I will discuss recent advances in this technology and how it may be used for elucidating mechanisms of cardiovascular diseases, for drug discovery, and for clinical trial in a dish.