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LifeMap launches embryonic stem cell roadmap

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LifeMap integrates embryonic development to stem cell biology



Sinapore: LifeMap Sciences, subsidiary of BioTime, has launched LifeMap Discovery, a roadmap of embryonic development and stem cell biology. The platform integrates embryonic development and stem cell biology with molecular, cellular, anatomical, and disease-related information, and provides data-mining capabilities and bioinformatics applications.

LifeMap Discovery is a tool for research and discovery in multiple disciplines, including stem cell biology, developmental biology, disease mechanisms and etiology, and drug and therapeutic discovery and development. This new and innovative database is a central element in LifeMap's discovery platform for biomedical and stem cell research, which also includes GeneCards, the leading human gene database, and MalaCards, the human disease database.

"The launch of the LifeMap Discovery database is a significant milestone in the emerging field of regenerative medicine and a tribute to the tireless efforts of the scientific and development teams at LifeMap Sciences," said Mr Michael DWest, president and chief executive officer, BioTime.

"The power of embryonic stem cells to transform into all of the cell types in the human body is at once both their greatest opportunity and challenge. Many of the degenerative diseases afflicting our aging population are caused by a lack of functional cells capable of regenerating particular tissues in the body. Until recently, the field has suffered from the lack of a roadmap directing scientists through the many hundreds of branch points in the
stems of the tree of human cellular life."