

Advanced Cell Technology
(OTCBB: ACTC)



Advanced Cell Technology

CAUTIONARY STATEMENT CONCERNING FORWARD-LOOKING STATEMENTS

This presentation contains “forward-looking statements” as defined under the federal securities laws. Actual results could vary materially. Factors that could cause actual results to vary materially are described in our filings with the Securities and Exchange Commission. You should pay particular attention to the “Risk Factors” contained in documents we file from time to time with the Securities and Exchange Commission. The risks identified therein, as well as others not identified by the Company, could cause the Company’s actual results to differ materially from those expressed in any forward-looking statements.



Mission

Advanced Cell Technology

**Leading the Field
of Regenerative Medicine**



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The Opportunity of ES Cells

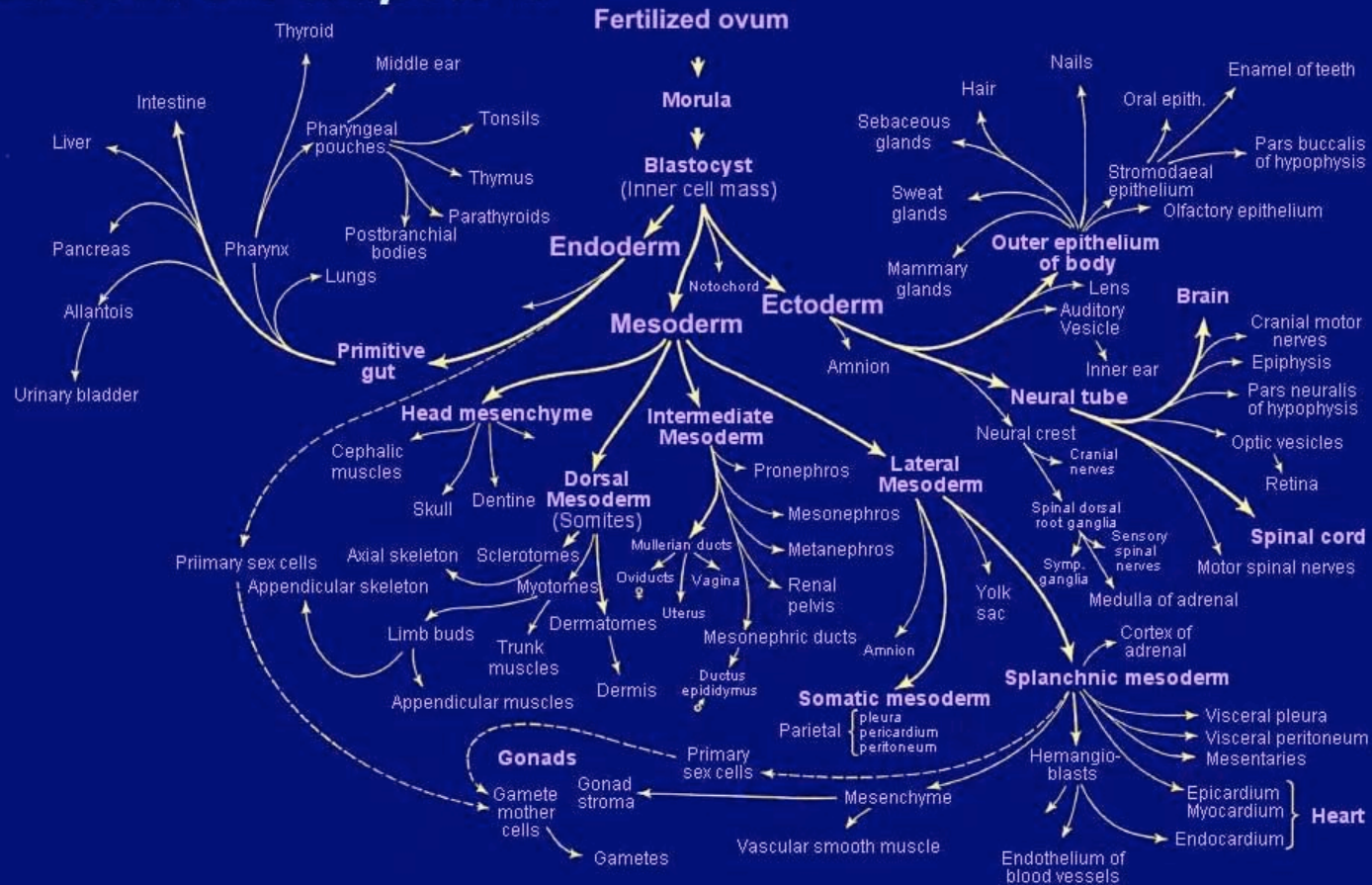
- ***Any Human Cell Type***
- ***Any Genetic Modification***
- ***For the Treatment of Human Disease***



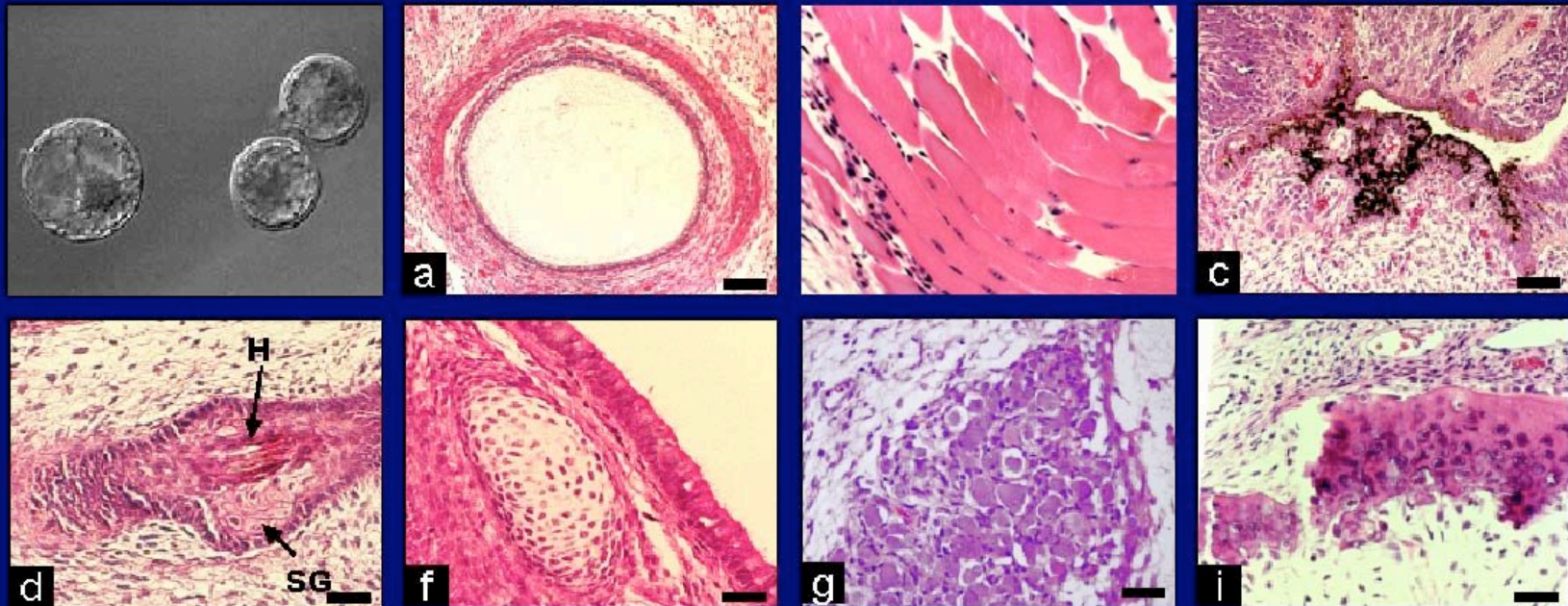
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Complex Mixture of Cell Types

ES cells are totipotent



ES Cells Can Form Complex Tissues



Science 2002 295: 819

PNAS 2003, 100 Suppl 1: 11911



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Technology Platform

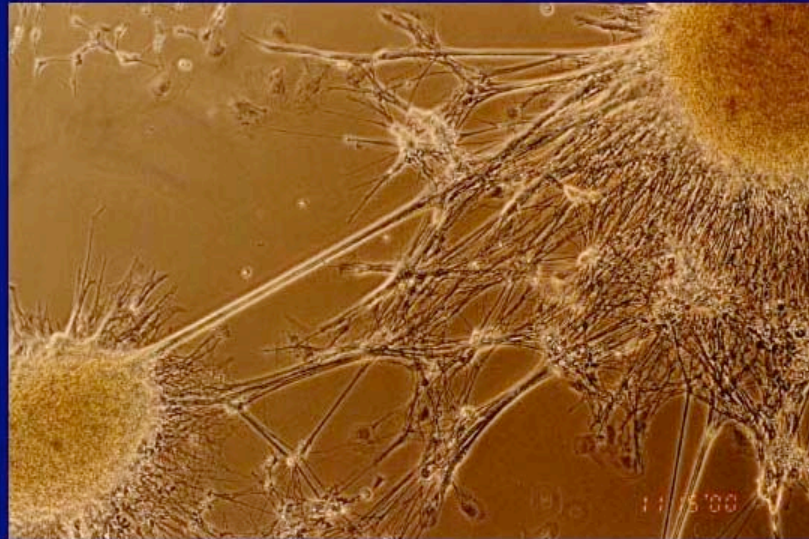
Potential for Myocardium





Technology Platform

Potential for Neurons





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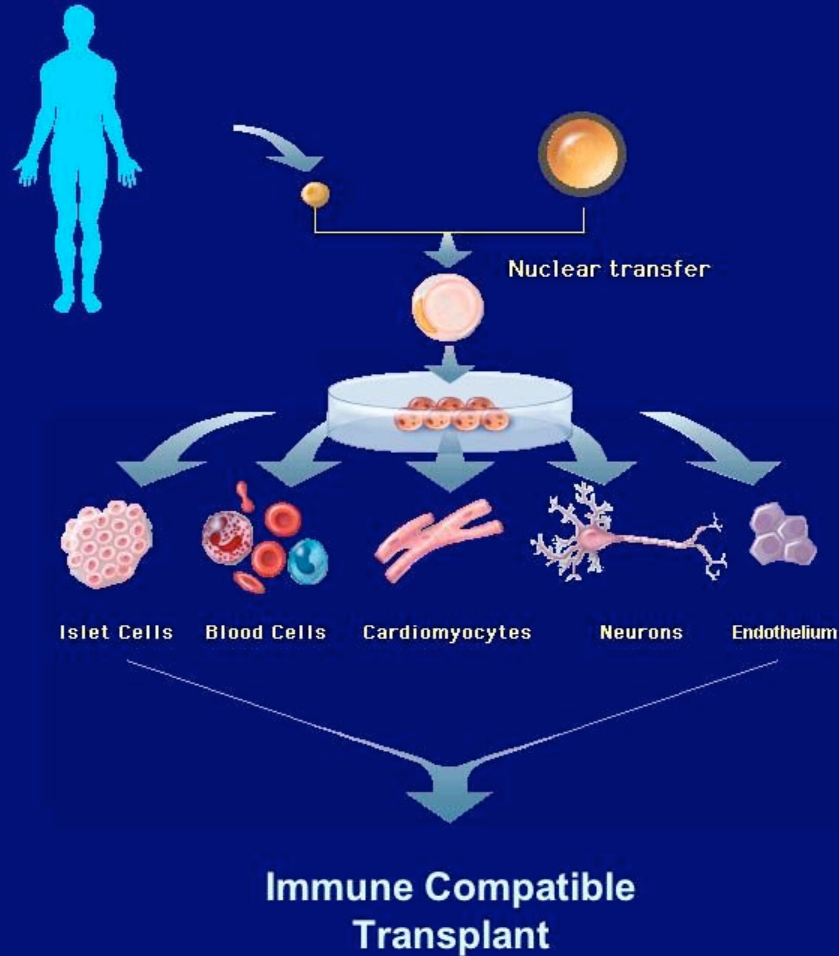
Histocompatibility Strategies



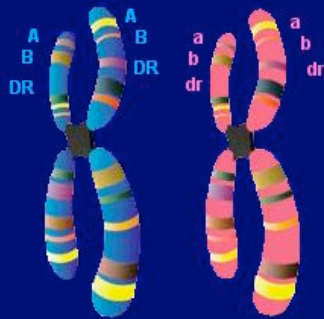


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Histocompatibility Strategies

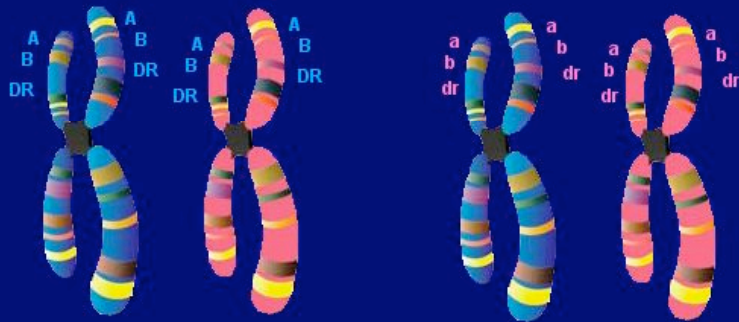


Reducing the Complexity of HLA Genes



Matching A&B Only:

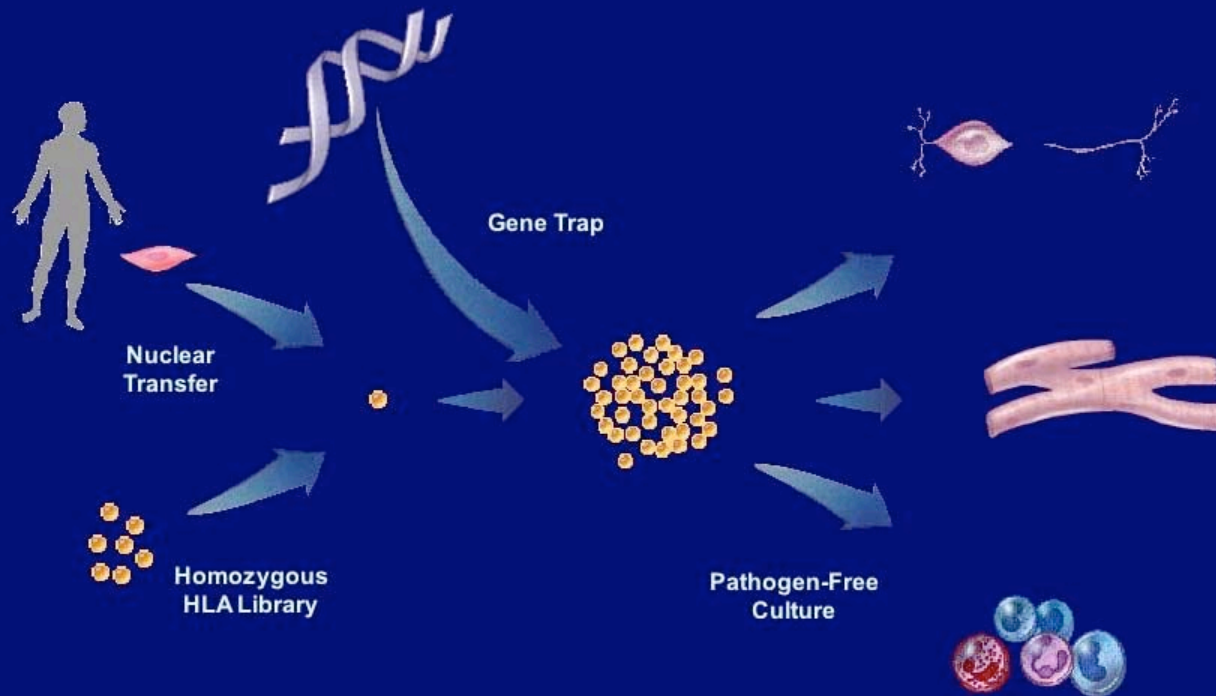
Complexity of Heterozygous 767,746
Complexity of Homozygous 1,708





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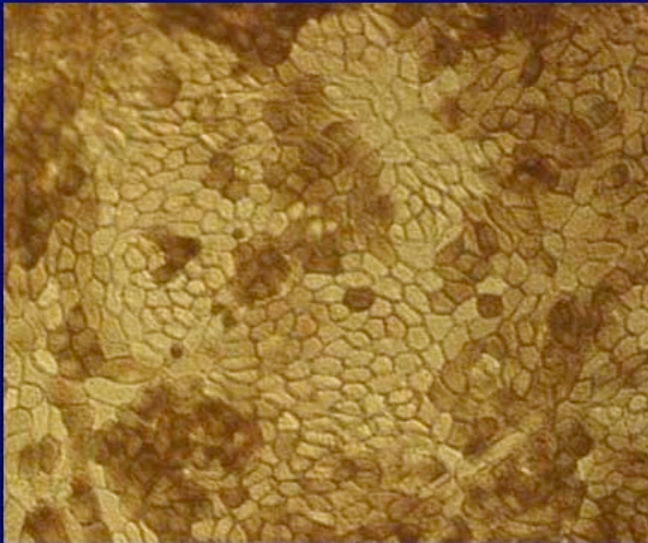
The Challenges of Regenerative Medicine



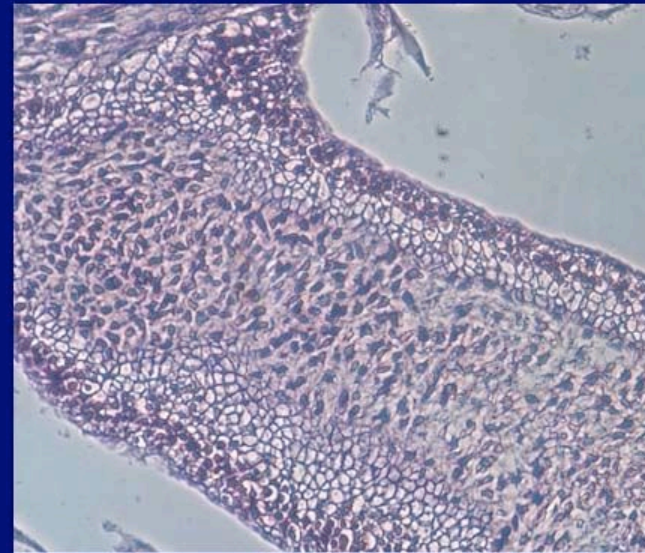


Technology Platform

Potential for Retinal Cells



RPE Cells



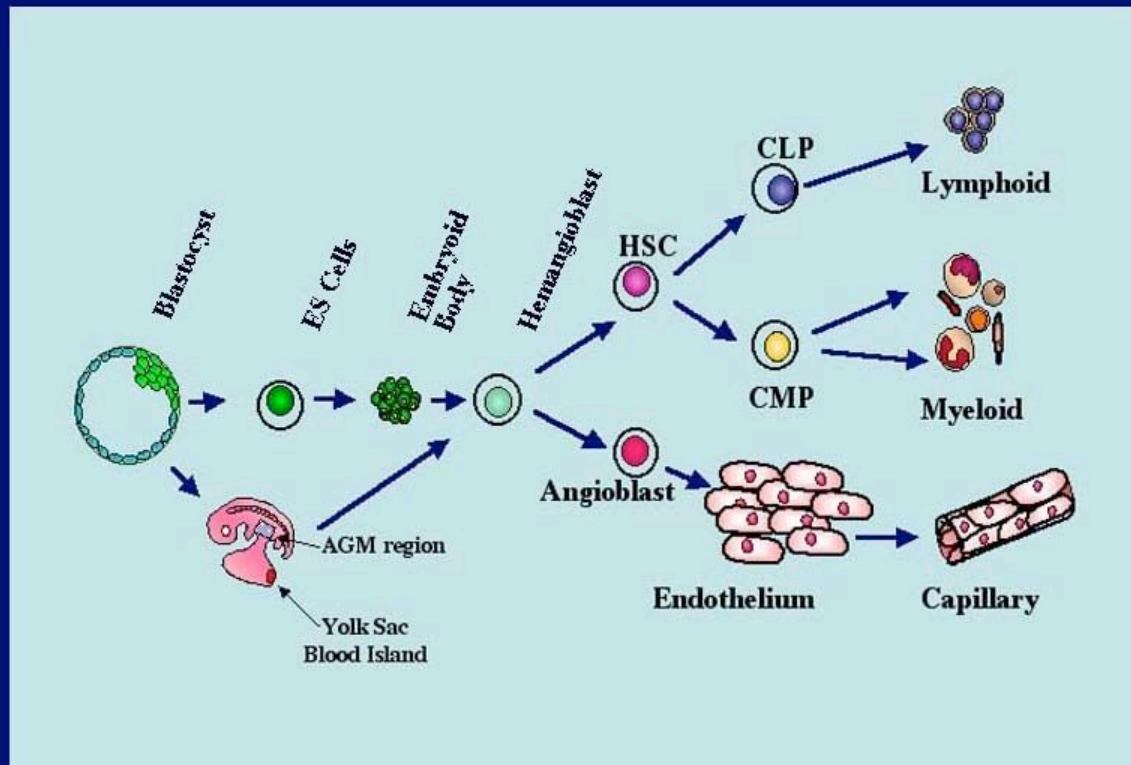
Neural Retina



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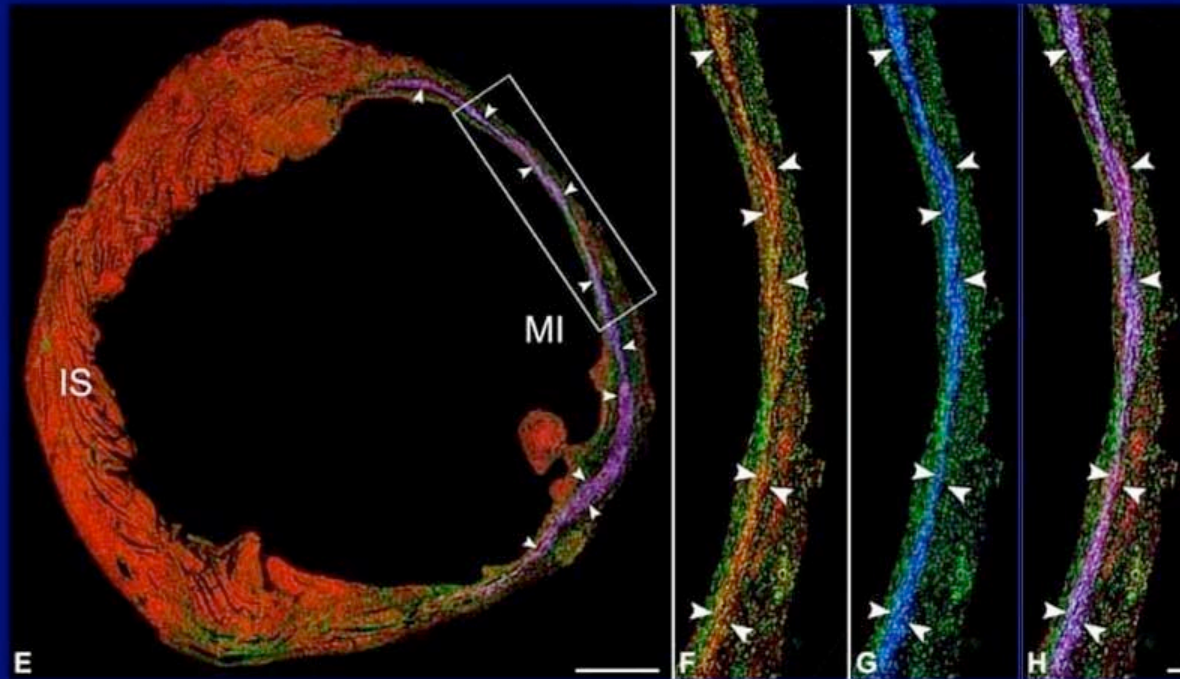
Identifying Practical Applications

The Opportunity in Hemangioblasts



Identifying Practical Applications

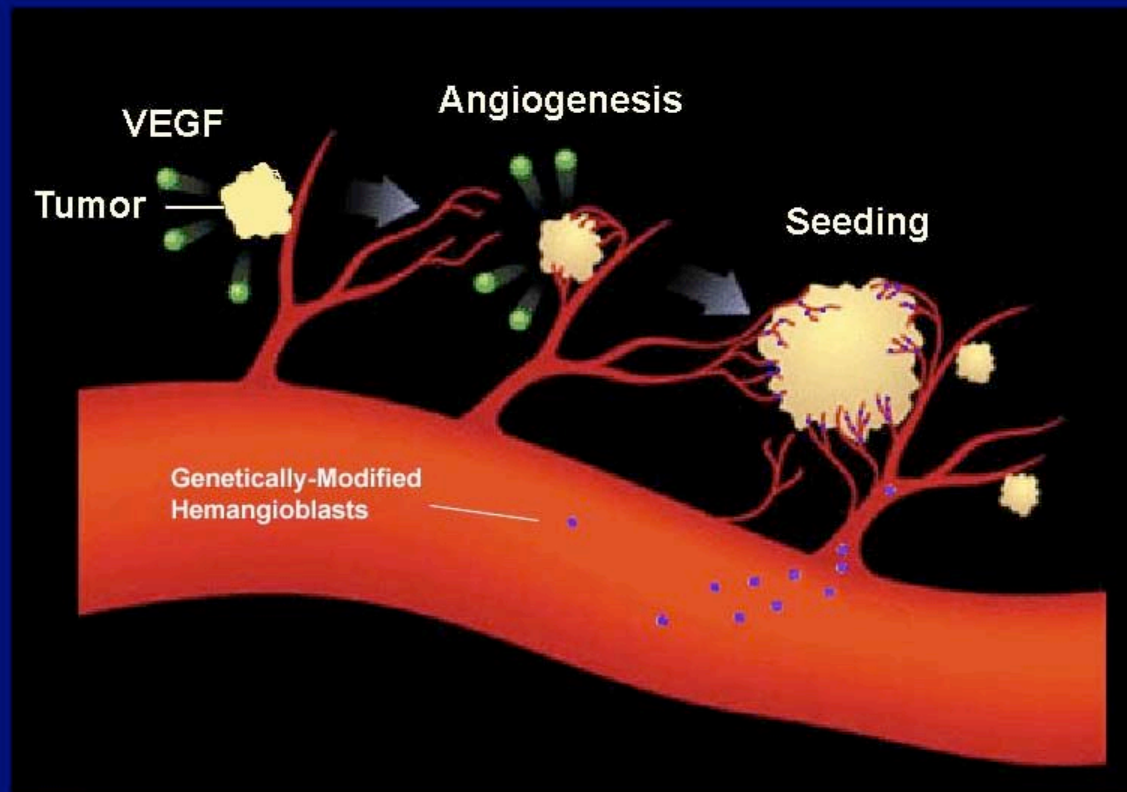
Nuclear Transfer-Derived $c\text{-kit}^+$ Cells in Infarcted Heart





Identifying Near-Term Clinical Applications

Genetically-Modified Hemangioblasts May Target Cancer

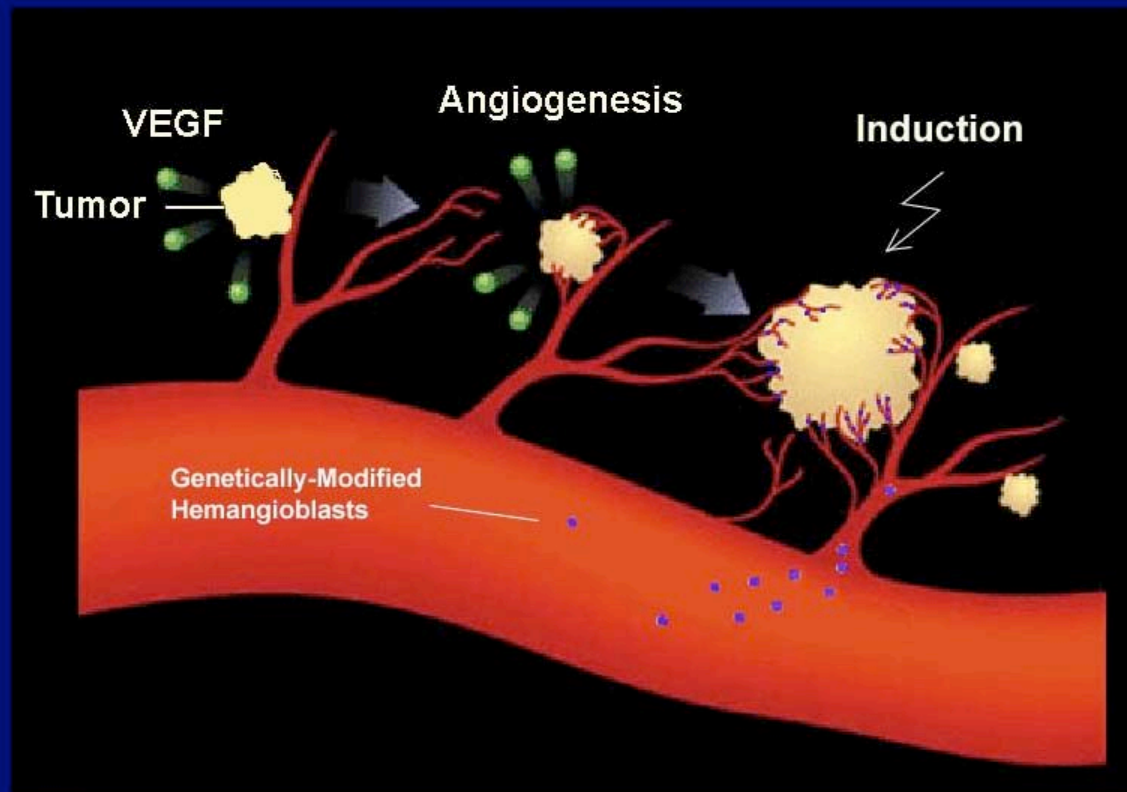




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Identifying Practical Applications

Genetically-Modified Hemangioblasts May Target Cancer

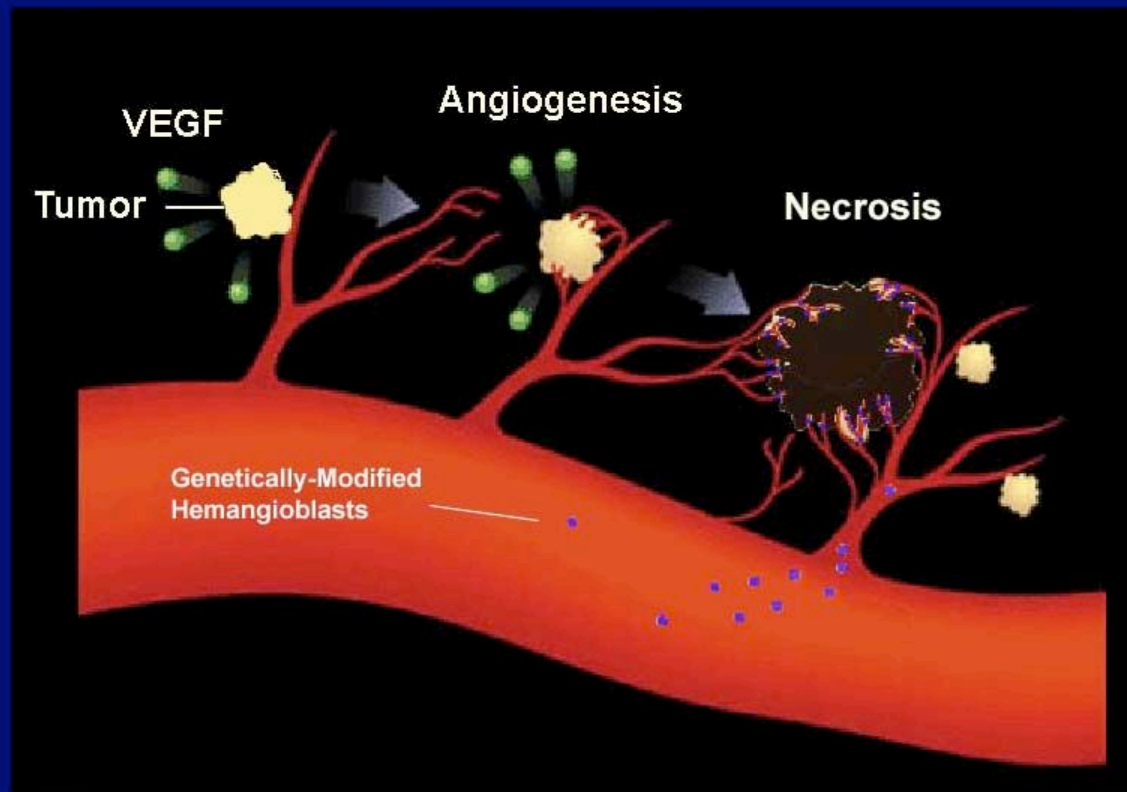




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Identifying Practical Applications

Genetically-Modified Hemangioblasts May Target Cancer

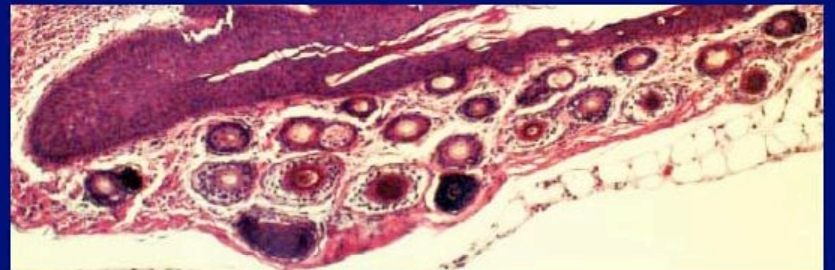




Product Development

The Opportunity in Dermatology

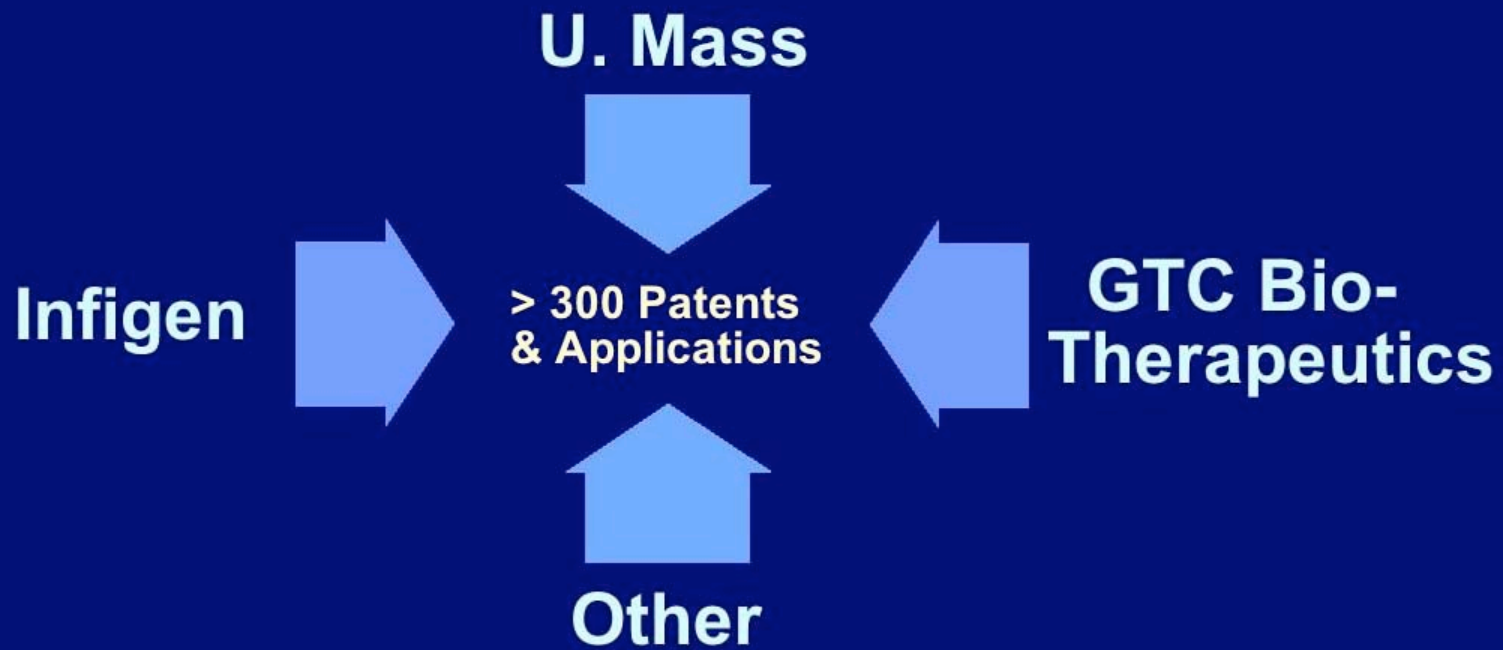
- **Full Regeneration in Embryonic Skin**
- **Easiest of cells to manufacture and scale under GMP**
- **Application in scarless wound healing, skin aging**





Product Development

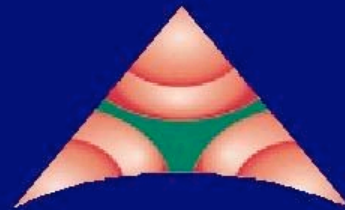
ACT's Patent Estate





Advanced Cell Technology

- **Broad Technology Platform**
- **Large Market Opportunities**
- **Opportune Timing**
- **Leading the Field**



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