

## Course: Stem Cell Basics and Cancer Stem Cells

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### Description

The first part of this short course will present the basic understanding of embryonic and tissue stem cells. The second part will cover genetics and epigenetics of cancer stem cells as well as differentiation therapy of cancer stem cells.

8:00-8:45 Sell: Introduction to stem cells

8:55-10:00 10-15 min presentations

Denise Grant: Breast stem cells

Jun Ma: Breast cancer stem cells

Zoran Ilic: Label retaining cancer stem cells

Ian Guest: Bone marrow to breast cancer

Pauline Carrico: Stem cells and aging

10:10-11:00 Sell: Cancer stem cells

11:10-12:50 Glinsky: "Stemness" features of cancer genomes: Mechanisms, Consequences, and Clinical Implications