THE STEM CELL

HUMAN BIOLOGY 157
Room 034, The Quad, History Corner, Building 200 (lane)
Tuesdays/Thursdays 2:15-3:45 P.M.

STEM CELL BASICS
Jan. 9 Introduction.............Roel Nusse
Jan. 11 Expression and Signaling.........Roel Nusse
Jan. 16 Introduction to Stem Cells.........Minx Fuller
Jan. 18 The Stem Cell Niche.........Minx Fuller

ADULT STEM CELLS
Jan. 23 Neural Stem Cells........Theo Palmer
Jan. 25 Hematopoietic Stem Cells..........Irving Weissman
Jan. 30 Cancer and Cancer Stem Cells........Irving Weissman
Feb. 1 Tissue Engineering........Jill Helms

EMBRYONIC STEM CELLS
Feb. 6 Imprinting and Gametogenesis.........Minx Fuller
Feb. 8 Review
Feb. 13 Midterm
Feb. 15 Embryology and Reproduction.........Julie Baker
Feb. 20 Embryonic Stem Cells and Derivation.........Julie Baker

THE MAGNIFICENT EGG
Feb. 22 Nuclear Transfer.........Julie Baker
Feb. 27 Nuclear Reprogramming........Robert Blelloch
Mar. 1 Ethics, Part 1........David Magnus
Mar. 6 Ethics, Part 2........Christopher Scott

ETHICS AND POLICY
Mar. 8 Law........Henry Greely
Mar. 13 Policy........Christopher Scott
Mar. 15 Review
Mar. 19 Final Exam

FACULTY
Julie Baker, Assistant Professor of Genetics, Stanford
Robert Blelloch, Assistant Professor of Urology, UC San Francisco
Minx Fuller, Chair, Department of Developmental Biology, Stanford
Jill Helms, Associate Professor of Surgery, Stanford
David Magnus, Director, Stanford Center for Biomedical Ethics
Roel Nusse, Professor of Developmental Biology, Stanford
Theo Palmer, Assistant Professor of Neurosurgery, Stanford
Christopher Scott, Executive Director, PSCS, Stanford
Irving Weissman, Director, Stanford Institute for Stem Cell Biology

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Course Directors