

GMS6331 "STEM CELL BIOLOGY" CLASS SCHEDULE (2009)

Time:

- Spring 1st Module
- MWF, 12:50 - 1:40 p.m.

Room:

- CG-56

Schedule:

- Jan 7 (W) *Introduction, pluripotent stem cells and nuclear reprogramming (Terada)*
- Jan 9 (F) *Discussion 1 (mouse ES cells, Evans, Martin 1981)*
- Jan 12 (M) *Self renewal of pluripotent ES cells (Terada/Hankowski)*
- Jan 14 (W) *Germ cell origins and stem cells (Resnick)*
- Jan 16 (F) *Epigenetic reprogramming by germ cells (Resnick)*
- Jan 19 (M) *Holiday*
- Jan 21 (W) *Discussion 2 (genomic imprinting and zfp57, Ferguson-Smith 2008)*
- Jan 23 (F) *Discussion 3 (mammalian cloning, Wilmut 1997)*
- Jan 26 (M) *The race to make 'tailor-made' pluripotent stem cells (Terada)*
- Jan 28 (W) *Discussion 4 (therapeutic cloning, Jaenisch 2002)*
- Jan 30 (F) *Discussion 5 (iPS cells, Yamanaka 2006)*
- Feb 2 (M) *Recent progresses in iPSC technologies (Terada)*
- Feb 4 (W) *Reprogramming of adult stem cells and trans-differentiation (Yang)*
- Feb 6 (F) *Reprogramming and cancer (Ghivizzani)*
- Feb 9 (M) *Epigenetic signatures of pluripotency and mechanisms underlying reprogramming (Terada)*

Lecturers:

- Nao Terada (Pathology), terada@pathology.ufl.edu
- Jim Resnick (MMG)
- Lijun Yang (Pathology)
- Steve Ghivizzani (Orthopedics)
- Katherine Hankowski (Pathology, Teaching Assistant), hankows@pathology.ufl.edu

Discussion:

- Introduction: History behind the study (1 student)
- Paper presentation: Approaches & Results (2-5 students)
- Discussion: How the study has changed the world? (1 student)

End-Course Exam:

- Take home quiz (2-3 questions)

Grade:

- 50% Discussion, 50% Exam