

Stem Cells and Regeneration – graduate course.

ZOO 6927

This course will be a weekly meeting for 1 period involving discussions, paper presentations, scientific paper reading, some lectures and several student presentations. The topics covered will be i) regeneration processes throughout the animal kingdom – stem cells or dedifferentiation; ii) molecular mechanisms of vertebrate regeneration; iii) evolution of regenerative ability; iv) tissue regeneration in mammals; v) relation between stem cells presence and regenerative ability in mammals; vi) molecular mechanisms of stem cell maintenance; vii) use of stem cells for inducing regeneration/repair in mammals.

Location – room to be arranged, UF Genetics Institute.

Timing – to be arranged to suit participants.