7.22/7.72 Fall 2005

Cloning and Epigenetics

12.7.05

1. cloning

2. epigenetics

3. reproductive cloning

4. therapeutic cloning

5. potency

6. cellular potency

7. nuclear potency

- 8. somatic cell nuclear transfer
- 9. chromatin
- 10. euchromatin
- 11. heterochromatin
- 12. methylation
- 13. DNA methyltransferase
- 14. 5-methyl cytosine
- 15. imprinting

16. nucleosome

17. histone

18. histone code

19. connections between DNA methylation and histone modification

20. nuclear reprogramming- how to

21. ethical issues