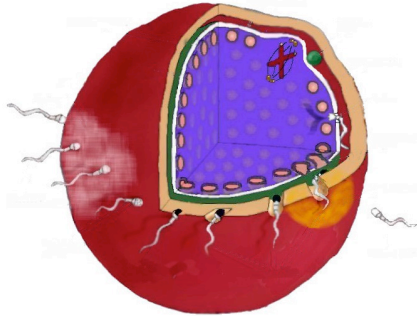
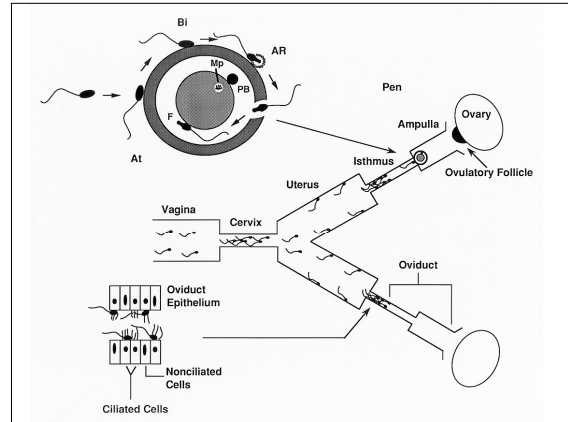


Lecture 16: Fertilization



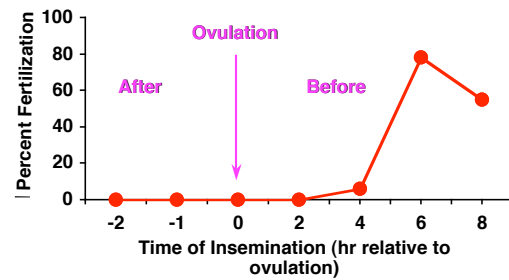
Animal Science 434
John J. Parrish



Capacitation

- 1951
- Austin - rat
- Chang - rabbit
- Fertilization does not occur until several hours after sperm are placed in the uterus or oviduct

Chang Experiment - 1951

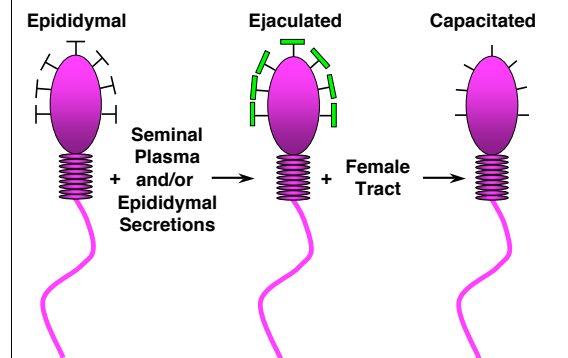


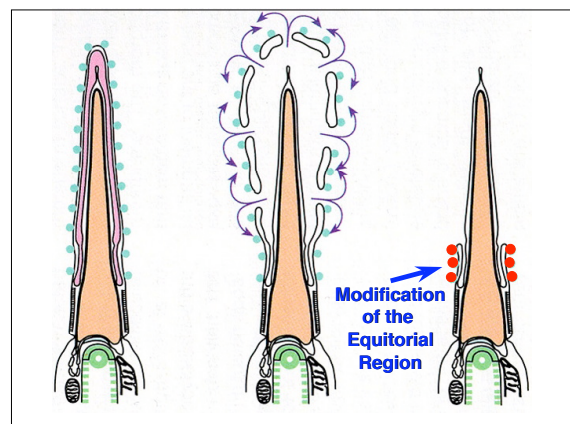
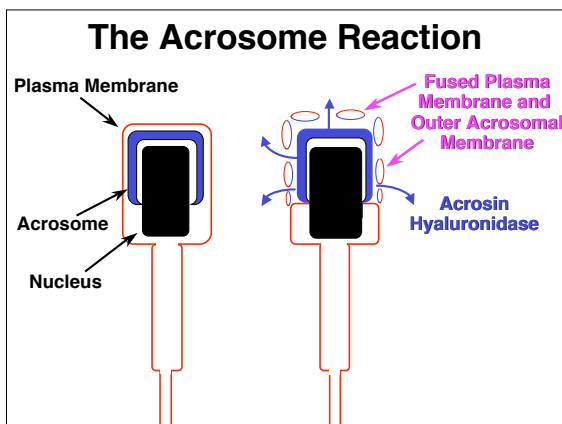
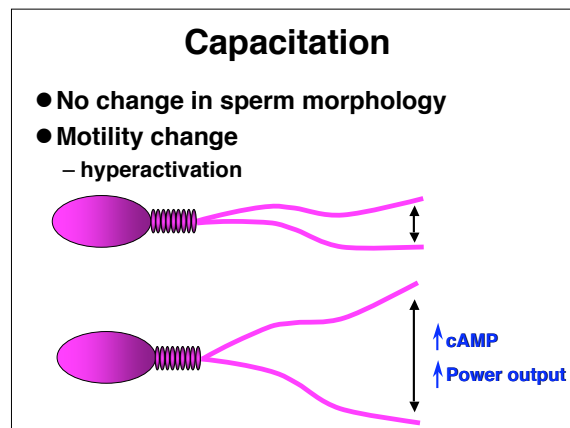
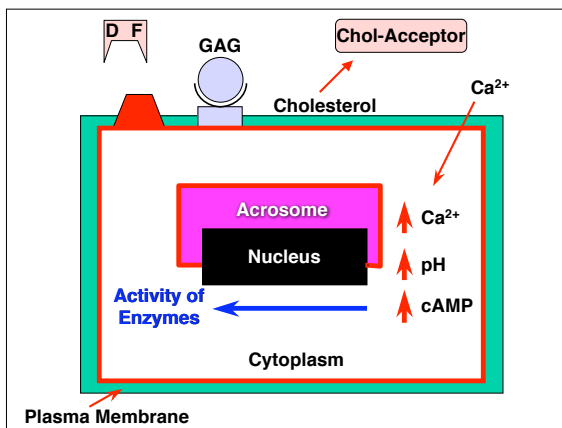
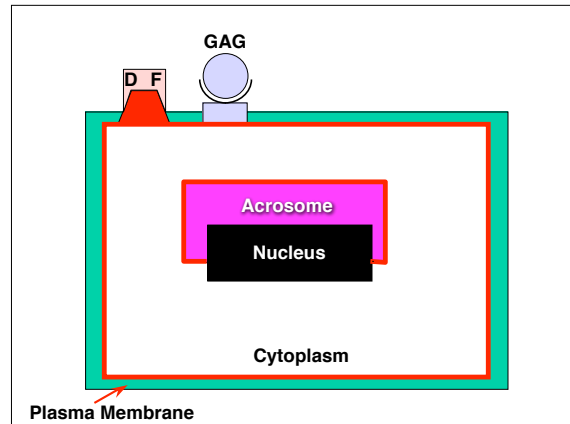
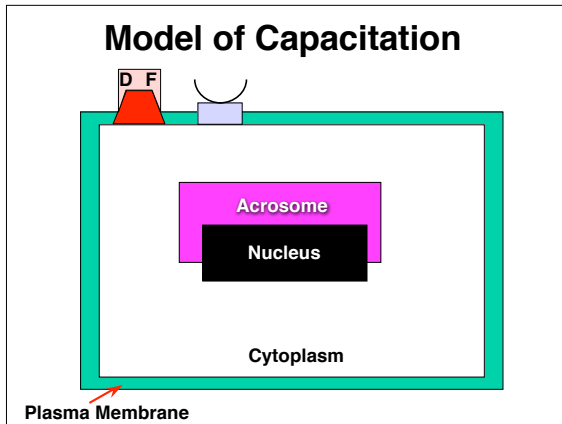
Capacitation

The changes within sperm that confer upon the sperm the ability to acrosome react in response to the appropriate stimulus.

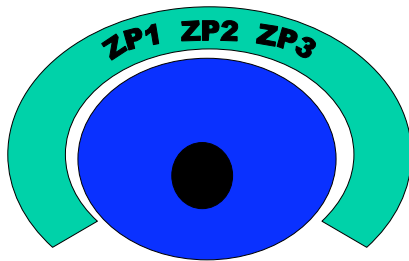
- Zona Pellucida
- Cumulus Cells
- Follicular Fluid

Effect of Capacitation

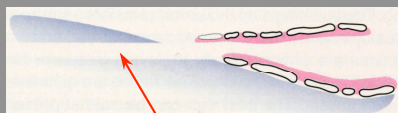
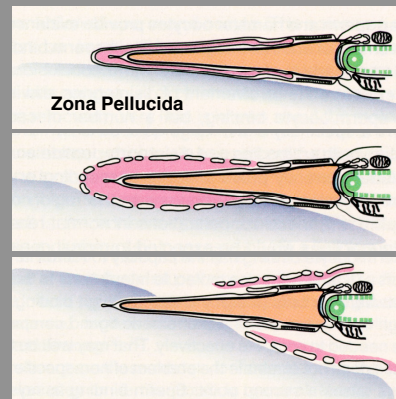
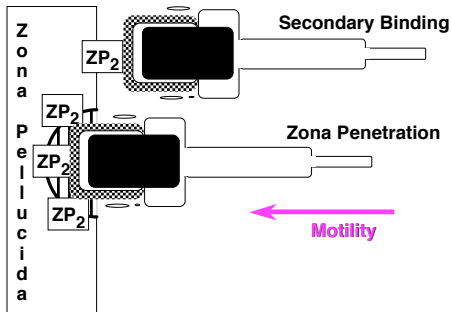
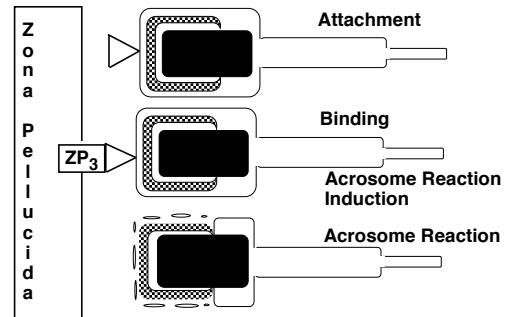




The Zona Pellucida



Sperm Interaction with the Zona



Sperm tract through zona pellucida

