

## Mechanism of X-Interaction

- The mechanism of inactivation of X-chromosome is a random phenomenon.
- The inactivation starts in early embryonic cells.
- The inactivation of either maternal or paternal X-chromosomes.
- Thus some cells will have inactivated maternal X while others will have inactivated paternal X.
- The result of each inactivation will produce mosaicism in heterozygotes for X.

Ex: - calico cat, Ectodermal dysplasia.