

# Cytogamy (Paramecium)

- Wichterman (1939) reported the cytogamy.
- It's another sexual process in P. caudatum - which he termed cytogamy & P. trichium.
- In cytogamy, there is no nuclear exchange.
- In this process, two individuals come together by their ventral surface, but the cellular membrane of the two individuals does not breakdown.
- The micronucleus of each individual divides three to form eight micronuclei, six of which disintegrate in each individual.
- The two remaining micronuclei fuse to form a zygote in each cell. Then animals now separate.
- Cytogamy differs from Autogamy in that there are two animals in contact - with each other, but it resembles Autogamy & conjugation in the fusion of two pronuclei.
- Cytogamy differs from conjugation in that, there is no nuclear exchange between the two animals, which come together.