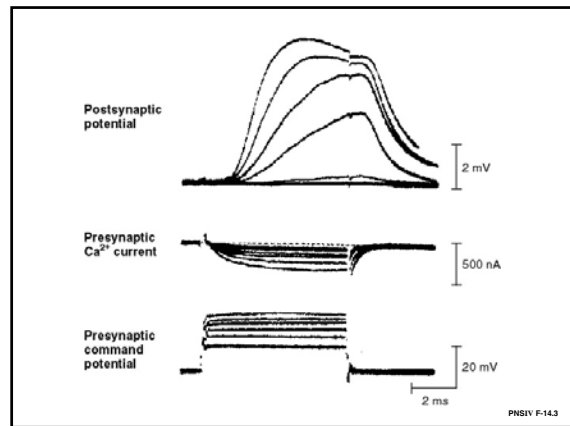
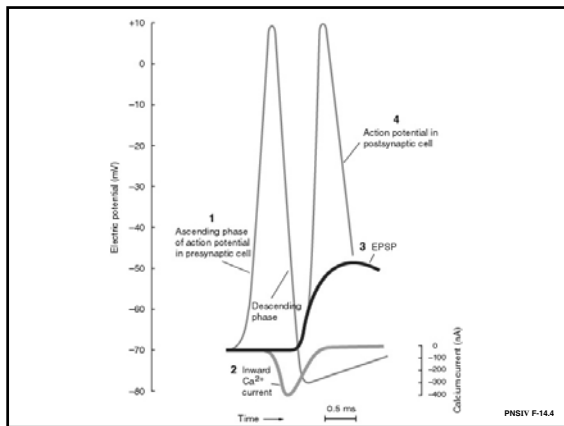
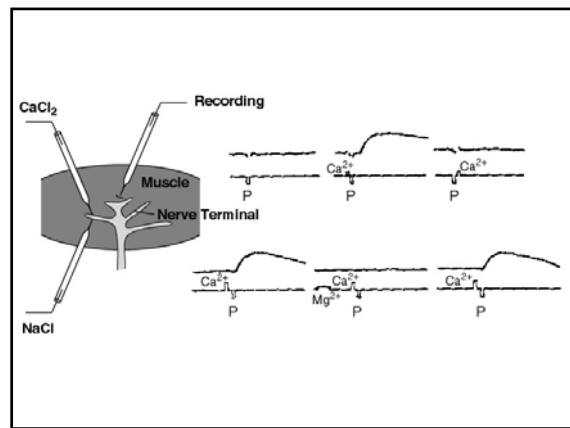
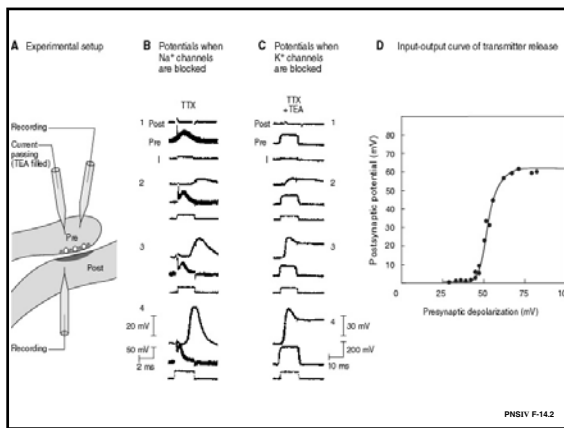
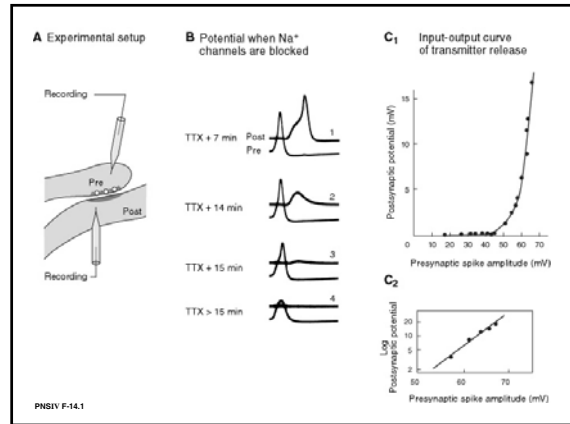
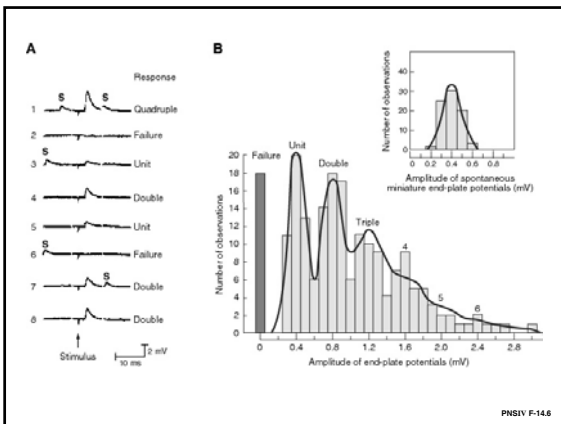
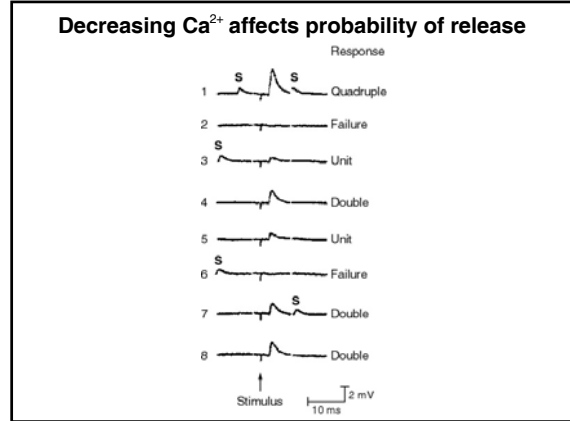
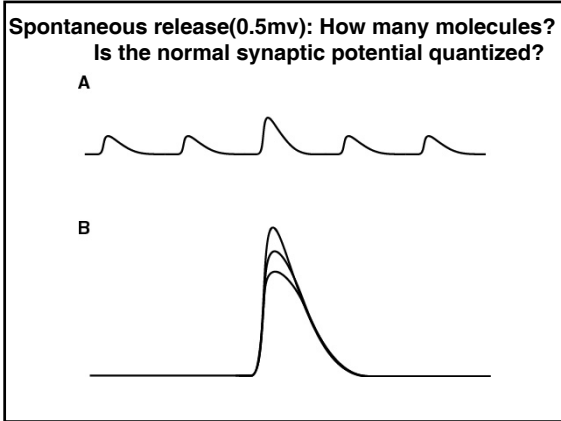
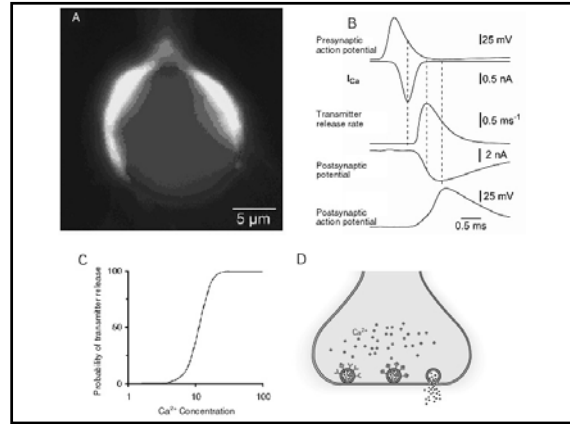
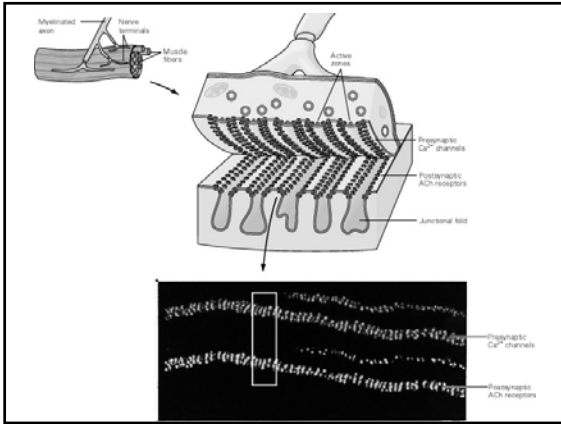


# Transmitter Release

January 19th, 2005





**Katz and Miledi Hypothesis**

1. Transmitter quanta are stored in vesicles each containing about 5,000 molecules (ACh.)
2. Vesicles are released at nerve terminal by exocytosis.
3. Depolarization, increases release by increasing influx of  $Ca^{2+}$  which in turn increases the probability of release by combining with release sites, allowing vesicles to fuse.

