



**Figure 1. Diagram to Show Two Kinds of Nuclear Transplant Experiments in *Xenopus***

The upper figure illustrates single nuclear transfers to eggs enucleated by ultraviolet irradiation (UV). A swimming tadpole is formed 3 days after nuclear transfer. The lower figure shows multiple nuclear transfers to growing oocytes in first meiotic prophase. (GV) Germinal vesicle or nucleus of the oocyte. Injected oocytes do not divide, and can be cultured for many days. Injected somatic cell nuclei undergo changes in gene expression during the first 4 days of culture.