

insert at end of Project Report #1

Significance to Biomedical Research

Studies on the NK-2 homeobox gene led to some novel ideas that enabled us ~~with a high degree of confidence~~ to predict ~~the~~ strategy of the early phase of the gene program for the development of part of the CNS of Drosophila. These predictions can

be tested experimentally using the NK-2 gene as the system. ~~Some~~ ^{One} of the major goals ⁱⁿ of neurobiology is to understand the developmental program for the assembly of the nervous system. ~~Below~~ ~~the~~ ~~proposed~~ ~~strategy~~ ~~is~~ ~~an~~ ~~important~~ ~~advance~~. ~~A~~ ~~similar~~ ~~but~~ ~~slightly~~ ~~modified~~ ~~strategy~~ ~~is~~ ~~likely~~ ~~to~~ ~~be~~ ~~used~~ ~~for~~ ~~the~~ ~~assembly~~ ~~of~~ ~~part~~ ~~of~~ ~~the~~ ~~CNS~~ ~~of~~ ~~mammals~~ ~~in~~ ~~it~~.