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Summer 2017 Research Scholar

Name: Abhishek Dedhe

School: University of Rochester

Mentor: Nina F.

Title : Role of EYA1 in neuroblastoma cell proliferation

Background :

-year survival rate) to be associated with overexpression and amplification (>10 copies) of the MYCN gene, which belongs to the MYC family of transcription factors . The EYA (eyes absent) family of genes (originally identified in the fruit fly, Drosophila) includes transcriptional co-activators which control cell growth and survival, thus playing an important role in the development of organs. The aberrant activity of the human homologs of EYA (EYA1-4) has been linked to a variety of cancers. In particular, high levels of nuclear EYA1 have been associated with high-risk neuroblastoma and with high levels of nuclear MYCN. EYA1 is also overexpressed in breast