



BİLKENT UNIVERSITY
MOLECULAR BIOLOGY AND GENETICS
DEPARTMENTAL SEMINAR

“Zebrafish as a model for comparative transcriptomics and drug screens”

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The zebrafish (*Danio rerio*) is an emerging model organism for comparative genomics, drug screening and human diseases such as cancer. Our lab is interested in identifying functionally conserved zebrafish-mammalian gene expression modules in different contexts, e.g., tissue-specific expression, embryogenesis, and drug exposure. In this presentation I will focus on conservation of transcriptional response to rapamycin, an anticancer drug, in zebrafish and mouse as well as on compariZome, a novel web-tool we developed for integration of omics data from zebrafish and humans. I will also present examples from our drug screening approaches in zebrafish and humans.

Date-Time : Wednesday, April 27th, 2016 – at 15:40

Location : SBZ-14

Host : Çağlar Çekiç