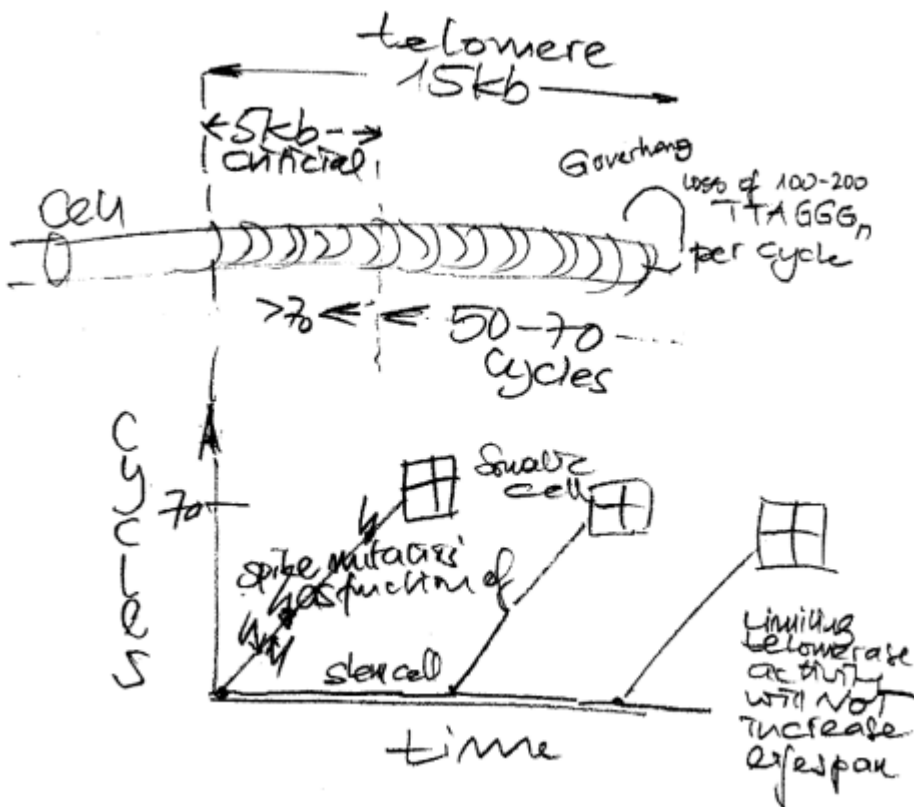


GENETICS, THEOLOGY

LIVING ON BORROWED TIME

14.08.2007

An excellent new [review](#) summarizes our current knowledge about telomeres - the complicated chromosome end machinery that is necessary to prevent unwanted repair while allowing to track for the number of replications. Think of it like a source code control system as CVS, the [Concurrent Version System](#). During a recent research project on life cycle of single point mutations / SNPs I realized that the control of the number of cell division is a necessary limiting step as each replication introduces numerous SNPs.



Replicative senescence can be viewed as a mechanism to limit the potential number of population doublings a cell can undergo, hypothetically rendering it a powerful tumour-suppressor mechanism

Manipulating telomere length will therefore not lead to a longer life but to cancer.

BTW the source of “borrowed time” is at phrases.org.uk – indicating time that we borrowed from death. “We may be care-worn and aged, forsaken of the world, living on borrowed time, useless so far as any activity is concerned, dependent on children, or friends; yet Jesus has loving acquaintance with us.”

played again by [Adam Green](#) in “Friends of Mine” (one of my all time favorites)

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