

Ako sa dožiť 1000 rokov?



# What is aging? Can we delay it?



# Learn to think on an exponential level

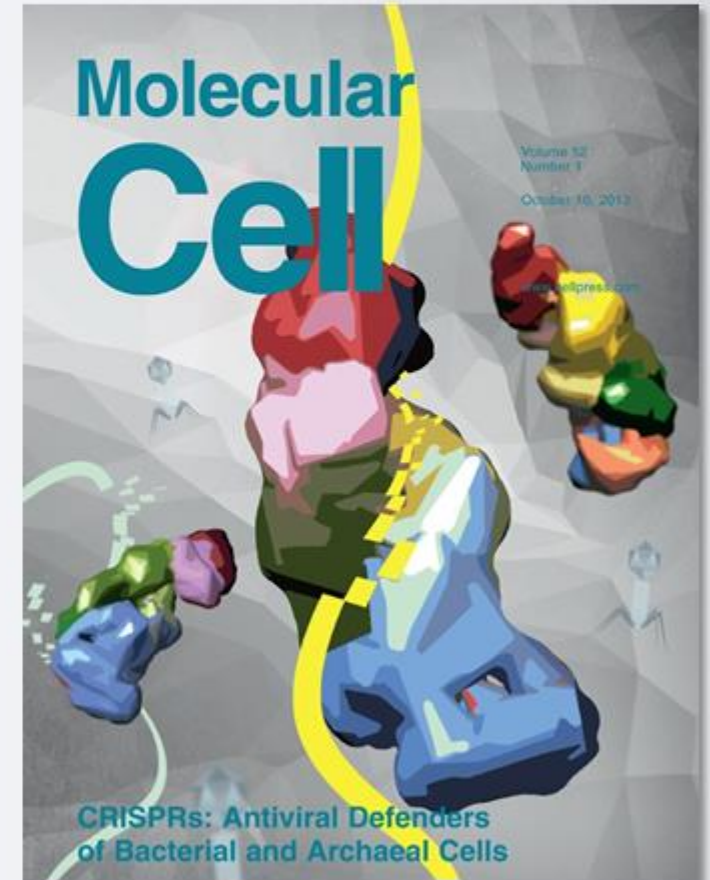
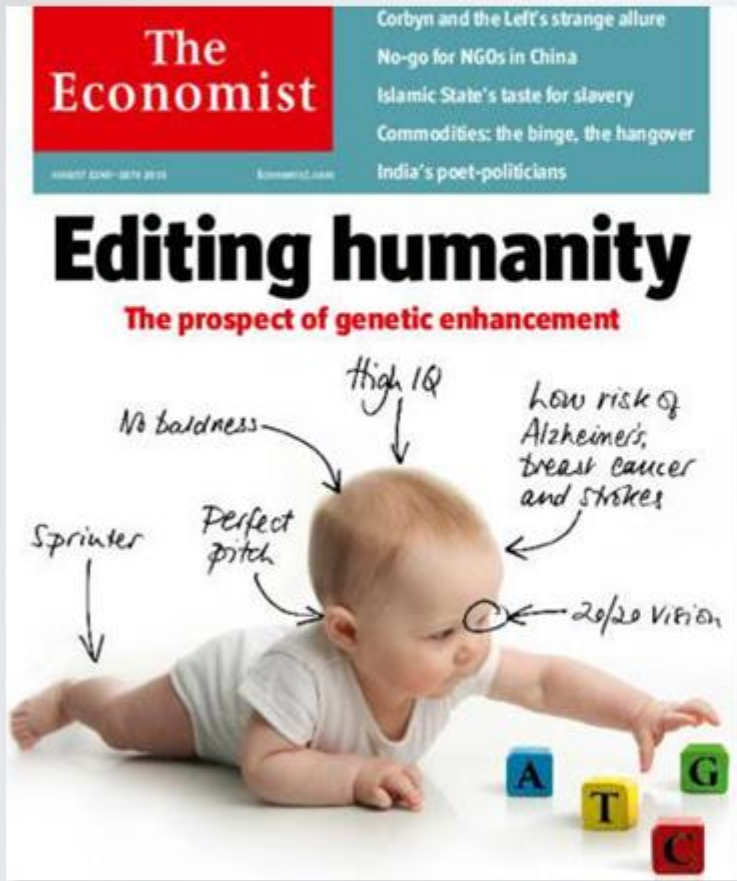


# How close are we to finding cure for aging?



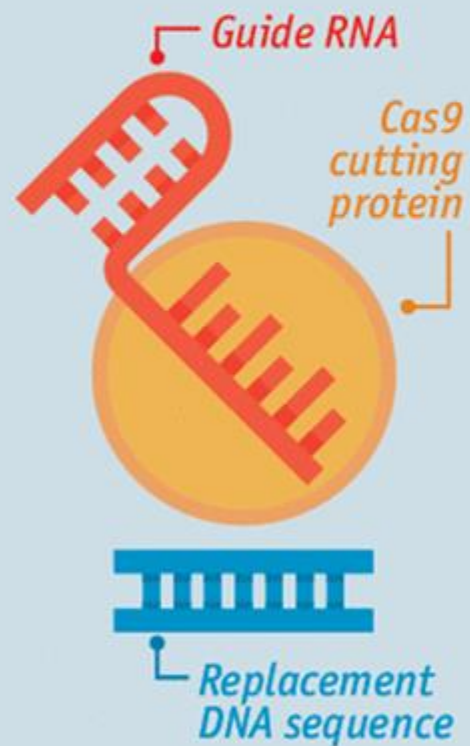


# Easy DNA editing will remake the world

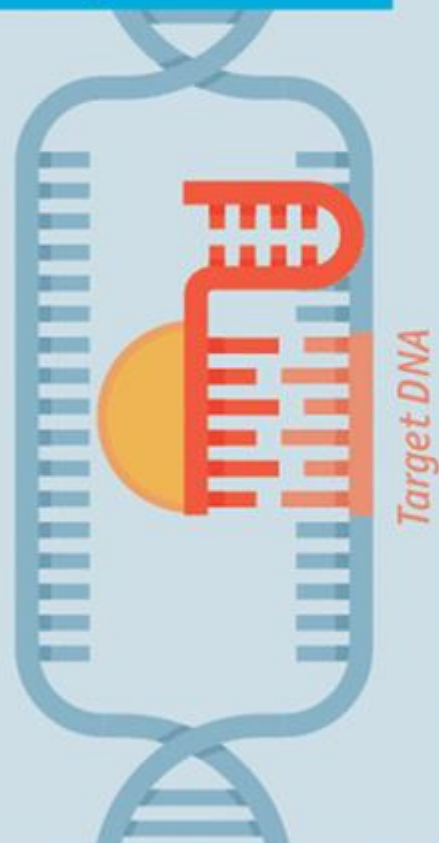


# Using CRISPR

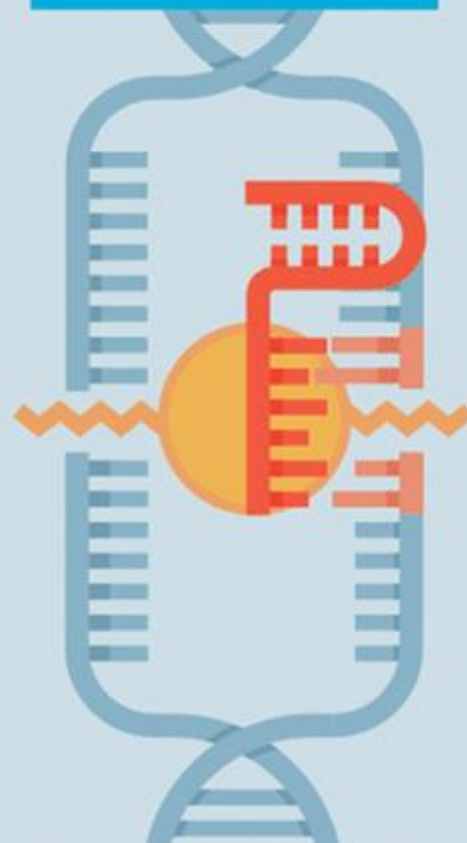
## The tools



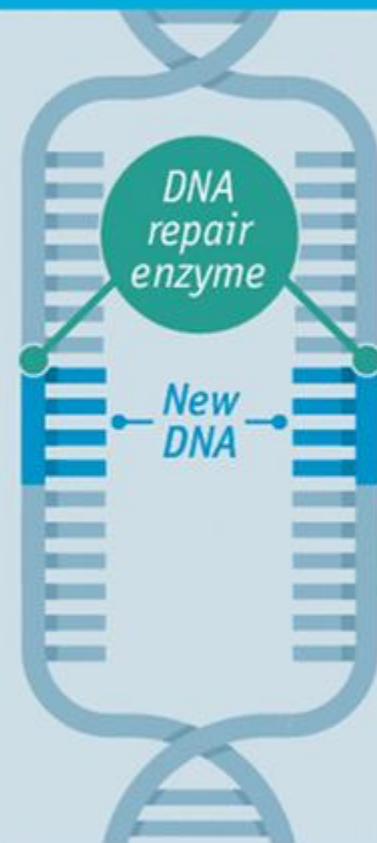
## STEP 1 Guide RNA finds target DNA in cell



## STEP 2 Cas9 protein cuts DNA strands



## STEP 3 Replacement DNA inserted



Source: *The Economist*



# The genesis engine: CRISPR/Cas9

## Gene editing shows promise in treating muscular dystrophy

Mice with Duchenne muscular dystrophy mutations show improvement with gene editing.

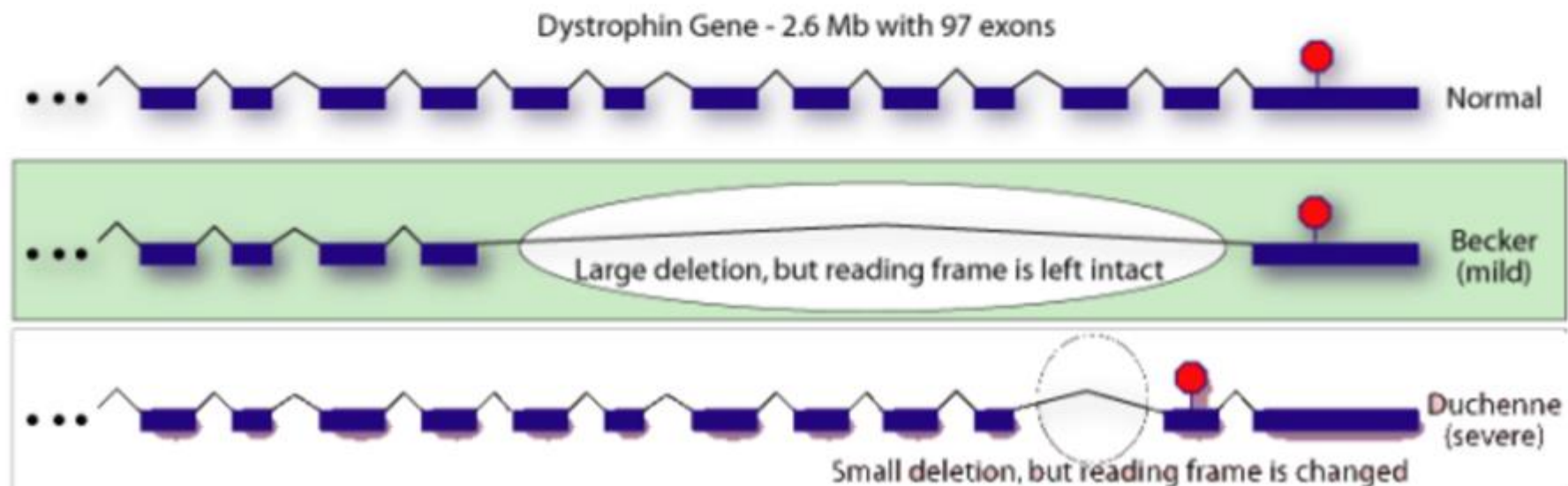
by Roheeni Saxena - Jan 12, 2016 3:00pm CET

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# Medical enhancement and posthumanity





# 2015 – Great year for longevity science

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## World's first anti-ageing drug could see humans live to 120

Scientists believe the common diabetes drug metformin could hold the secret of long life and want to start a groundbreaking human trial in 2016



28K



99



437



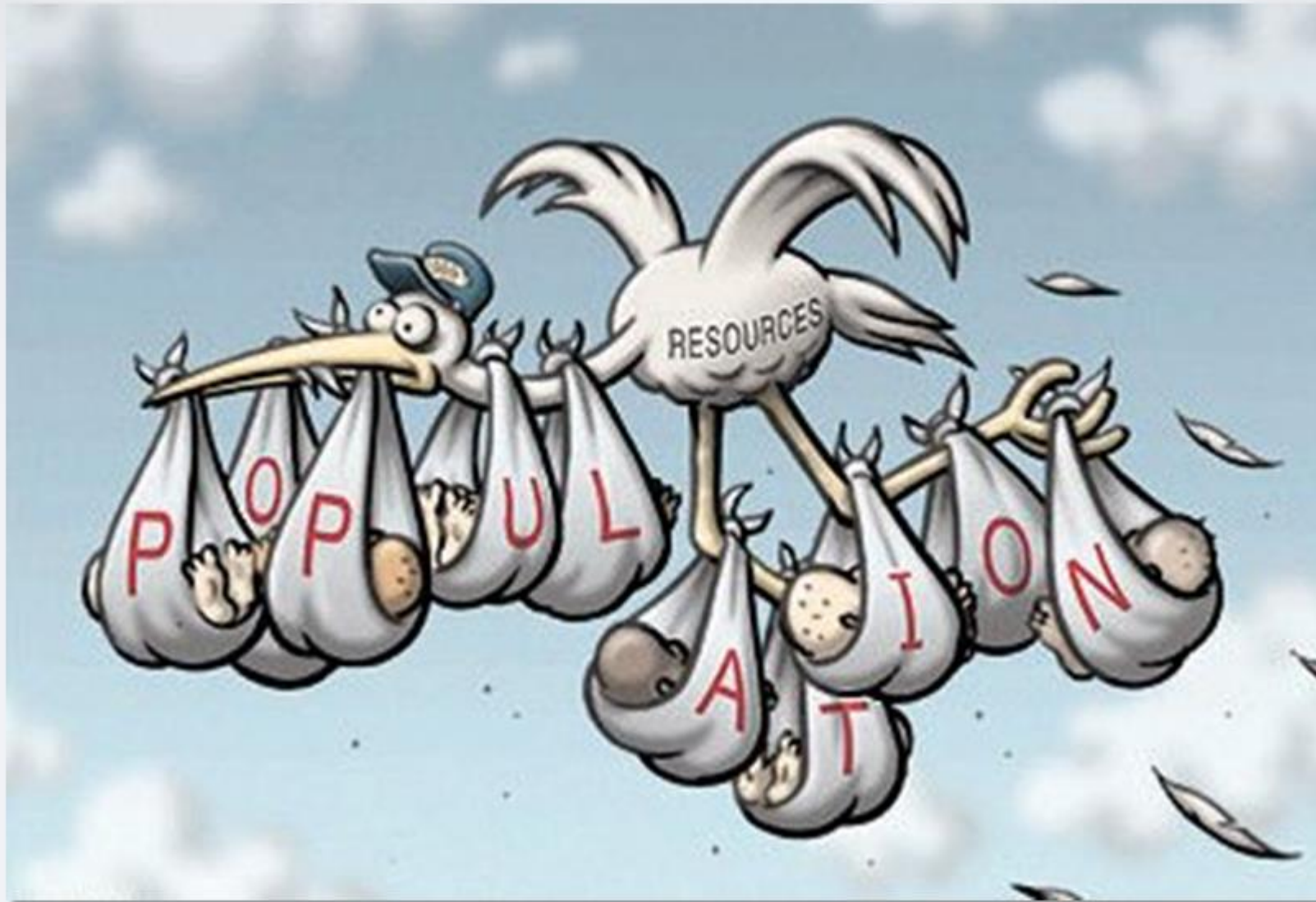
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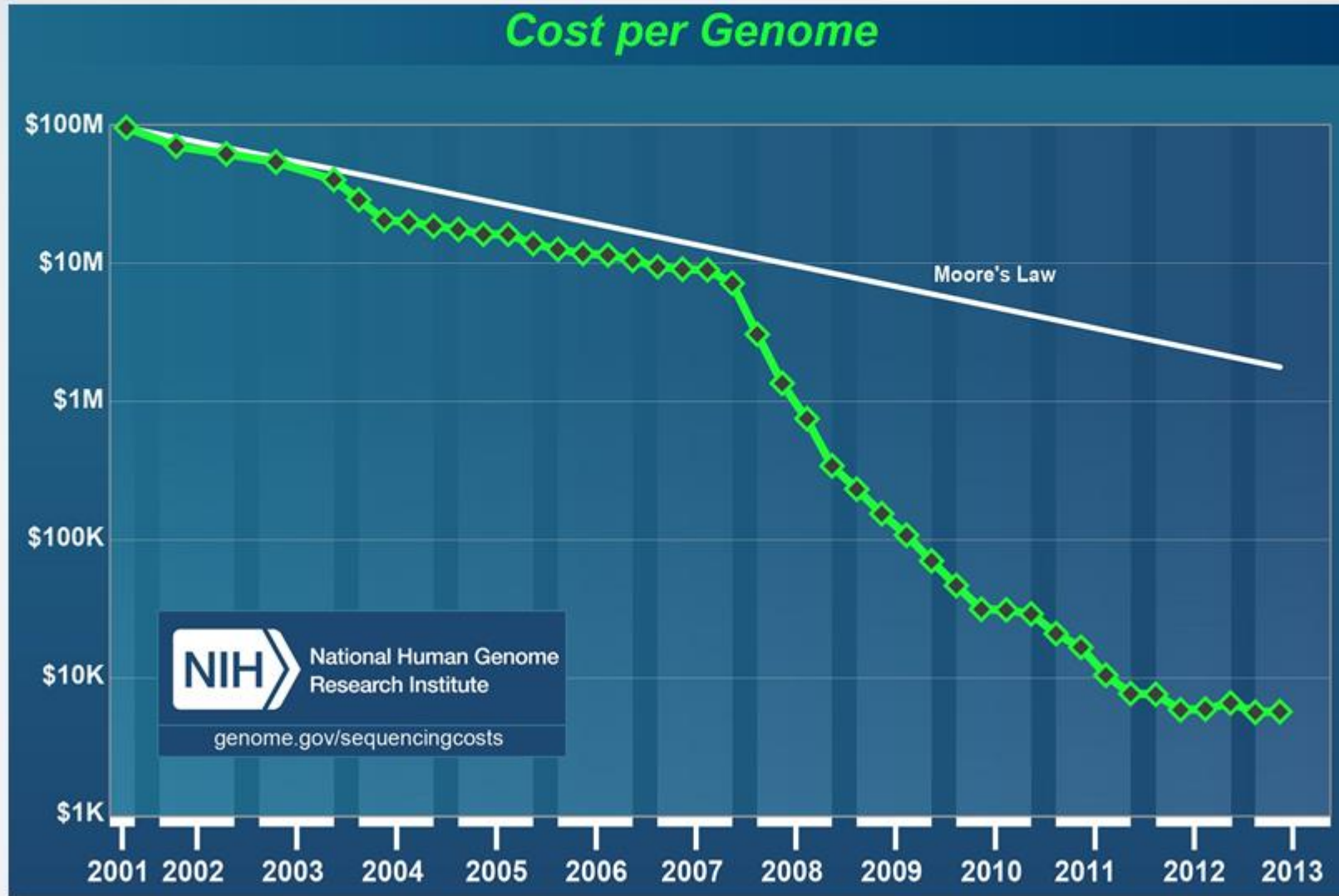
Email



Longer lives won't mean overpopulation

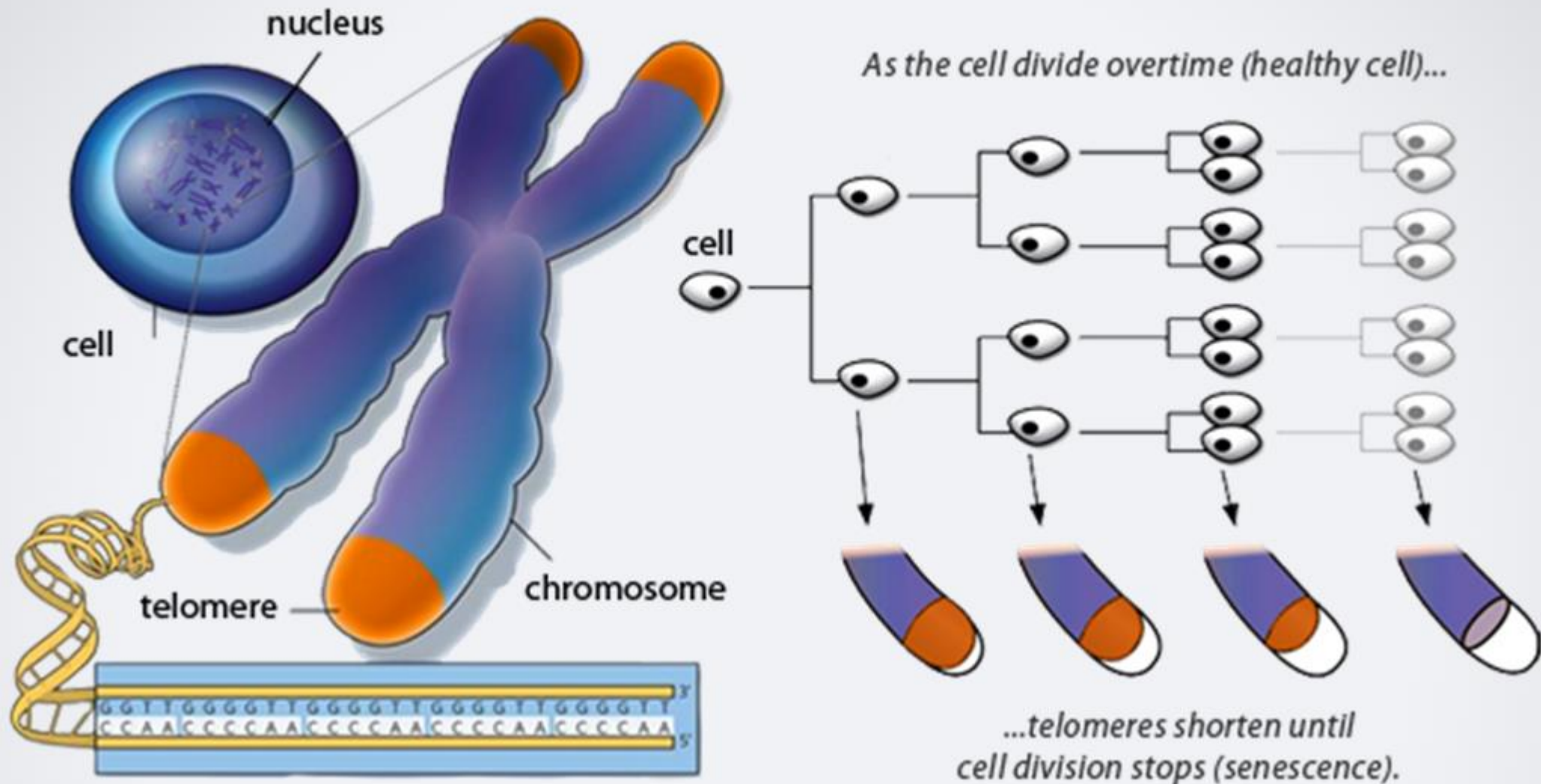


# Life-extension will be accessible to everyone





# Meditation improves telomerase activity



# Personal genomics: the future of healthcare?

Orientation	plus
Stabilized	plus
<b>Geno</b> ◆ <b>Mag</b> ◆ <b>Summary</b> ◆	
(A;A)	2 Higher vitamin B12 levels
(G;G)	2 Lower vitamin B12 levels
Make rs602662(A;G)	
Reference	GRCh38 38.1/141
Chromosome	19
Position	48703728
Gene	FUT2
is a	snp
is	mentioned by
dbSNP	rs602662



# Longevity – The correlate of wellbeing

