

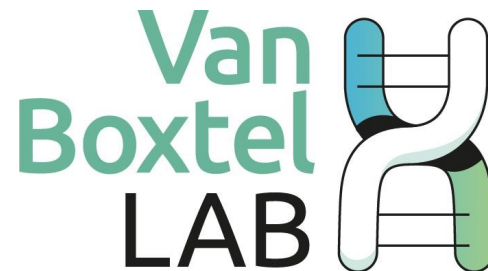


Meer info



prinses
máxima
centrum
kinderoncologie

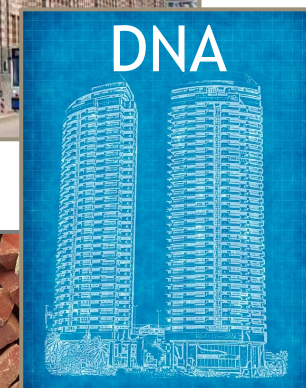
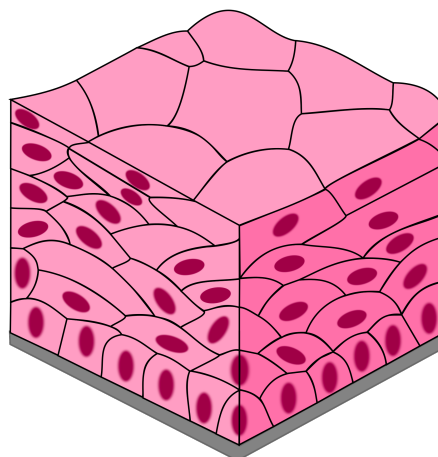
Spoorzoeken in het DNA



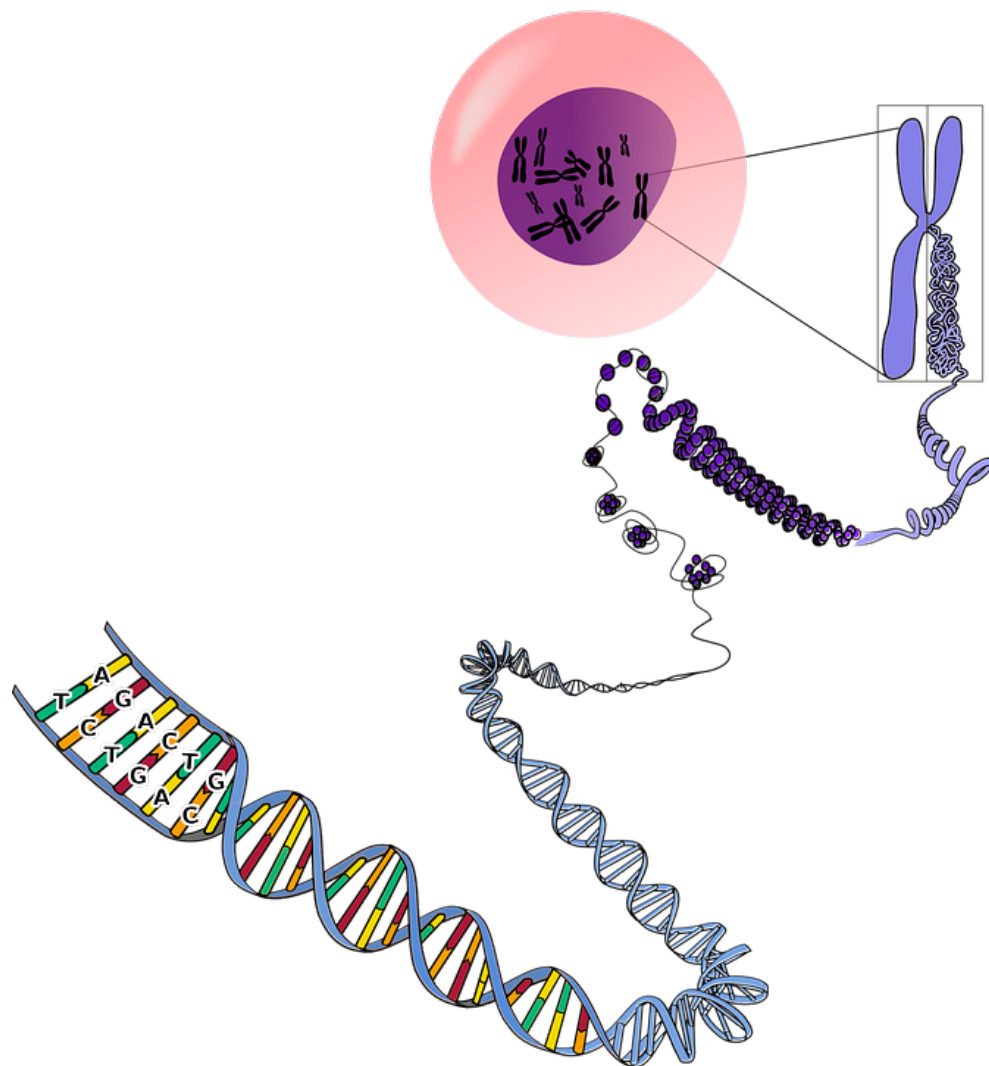
Spoorzoeken in het DNA?



Ons lichaam is opgebouwd uit cellen



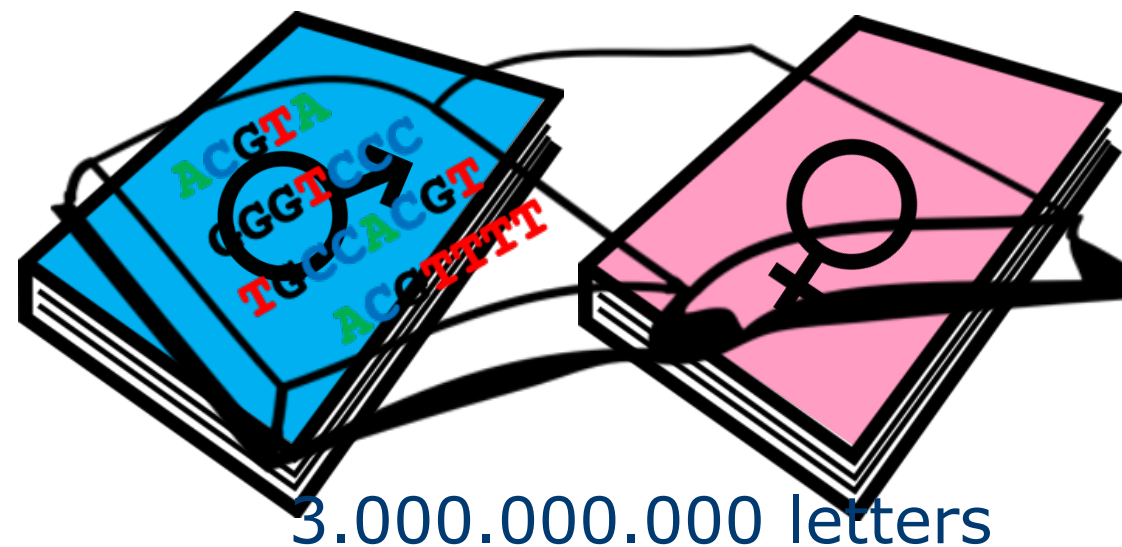
Het genoom



Het DNA is verdeeld over chromosomen:

23 van vader

23 van moeder



DNA code



SCHOOL

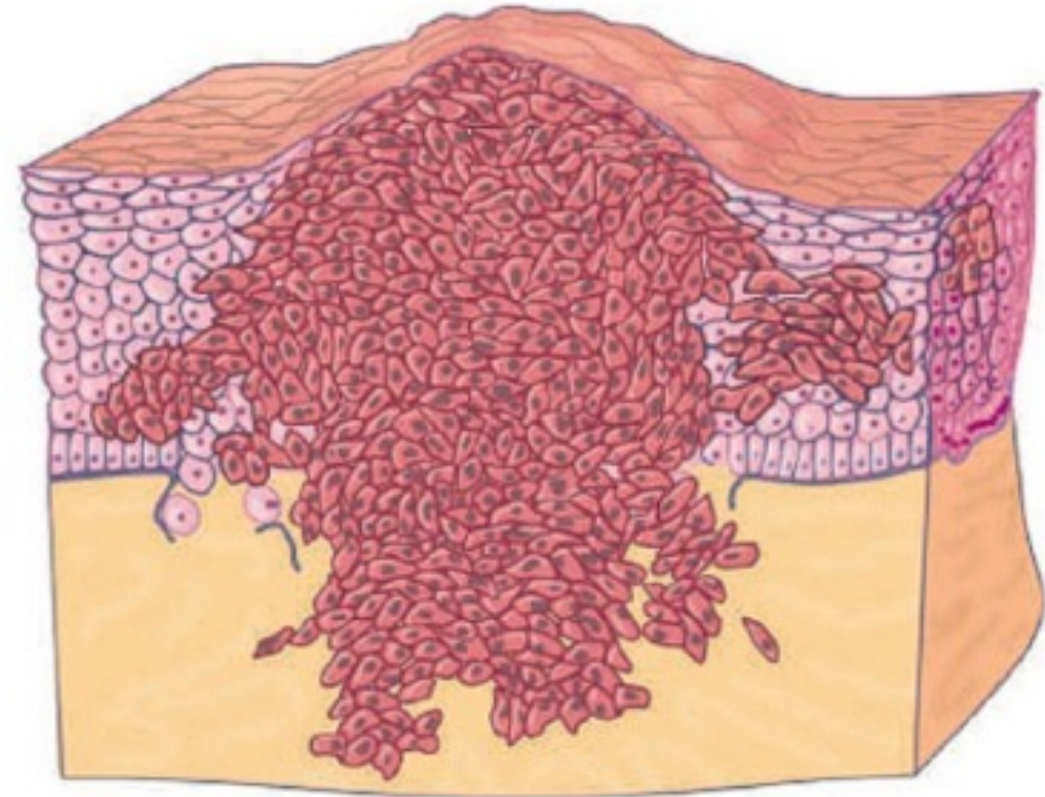
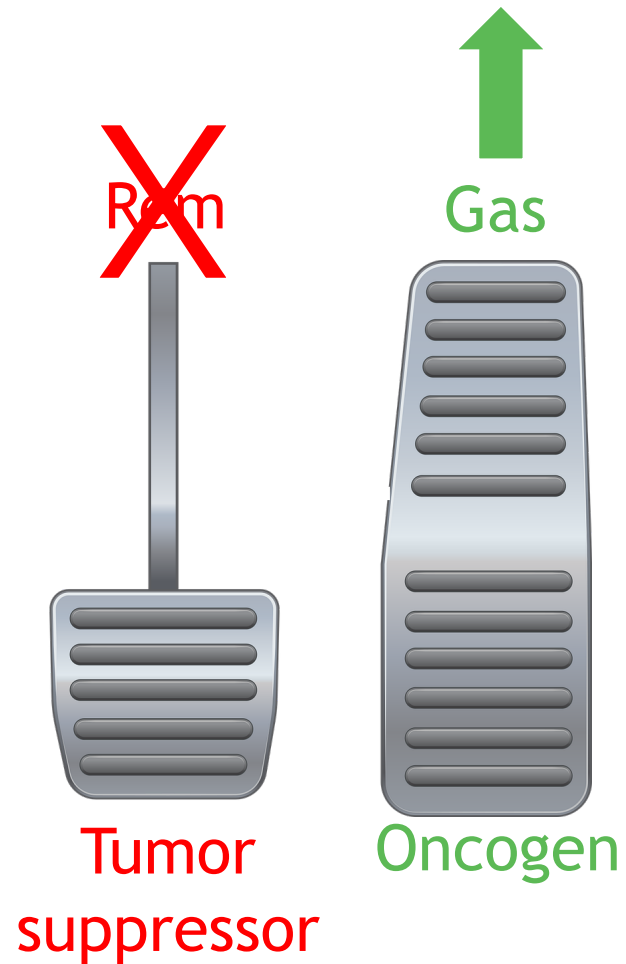
A C G T



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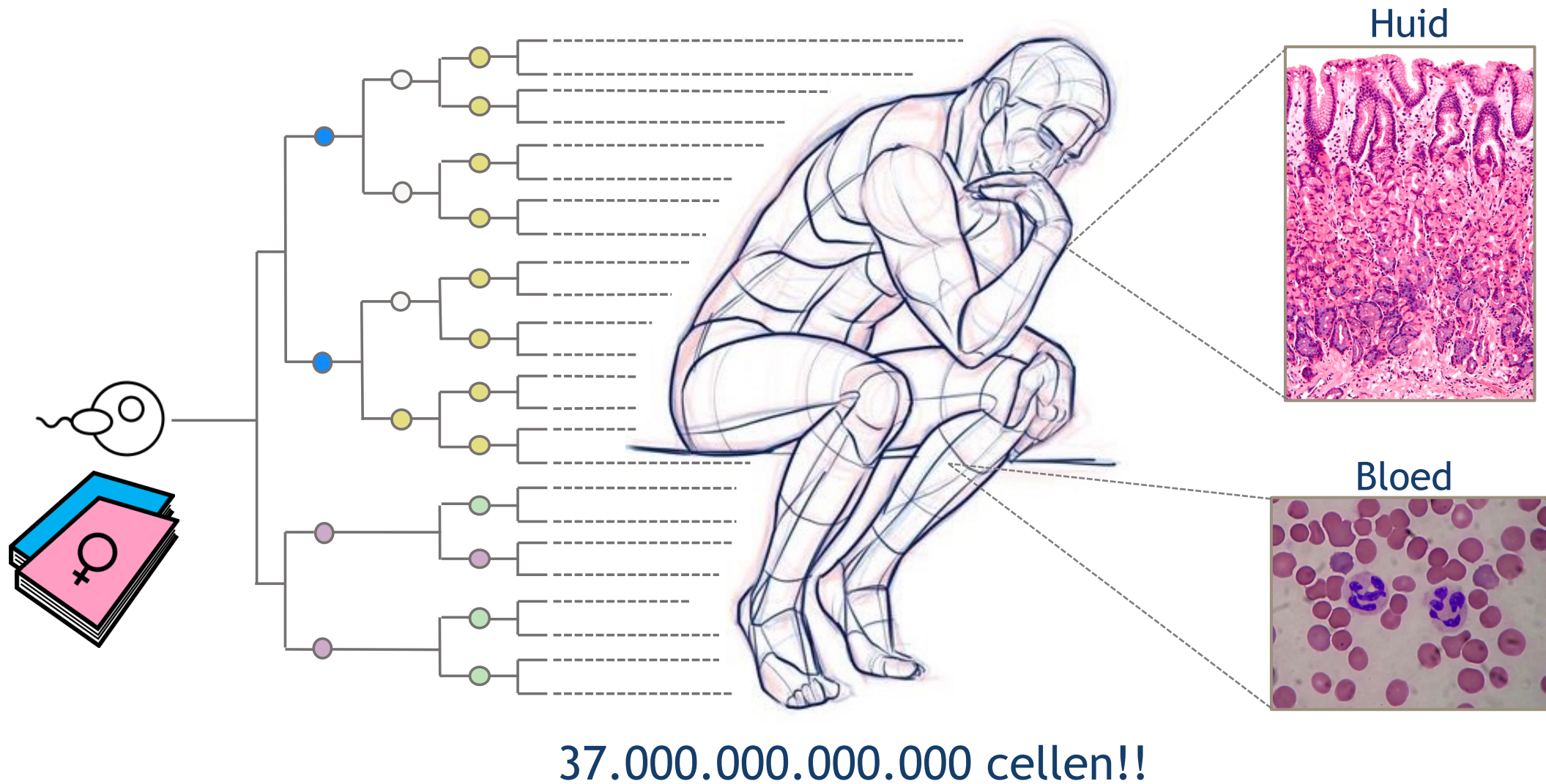
± 21.000 genen/woorden

Ongecontroleerde celgroei



Waarom gebeurt dit?

DNA wordt constant gekopieerd



Schrijfffoutjes



Per boek:

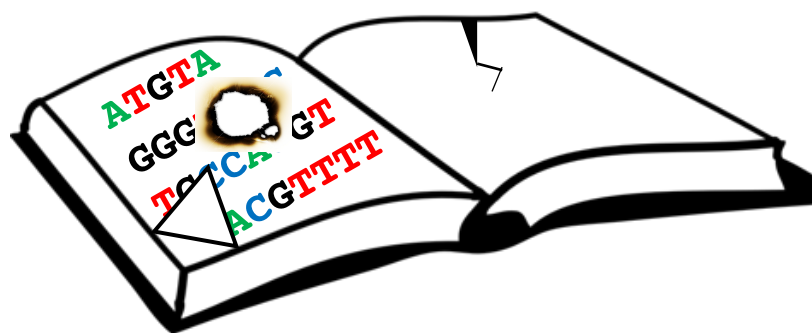
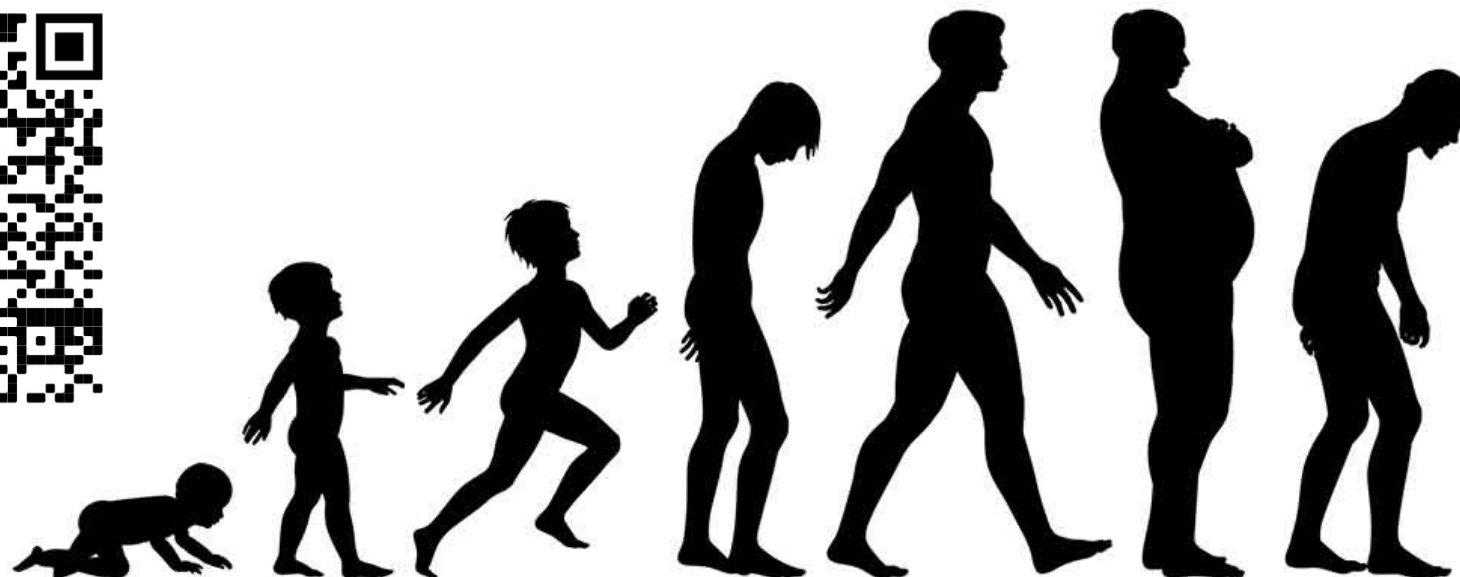
23 hoofdstukken

21.000 woorden

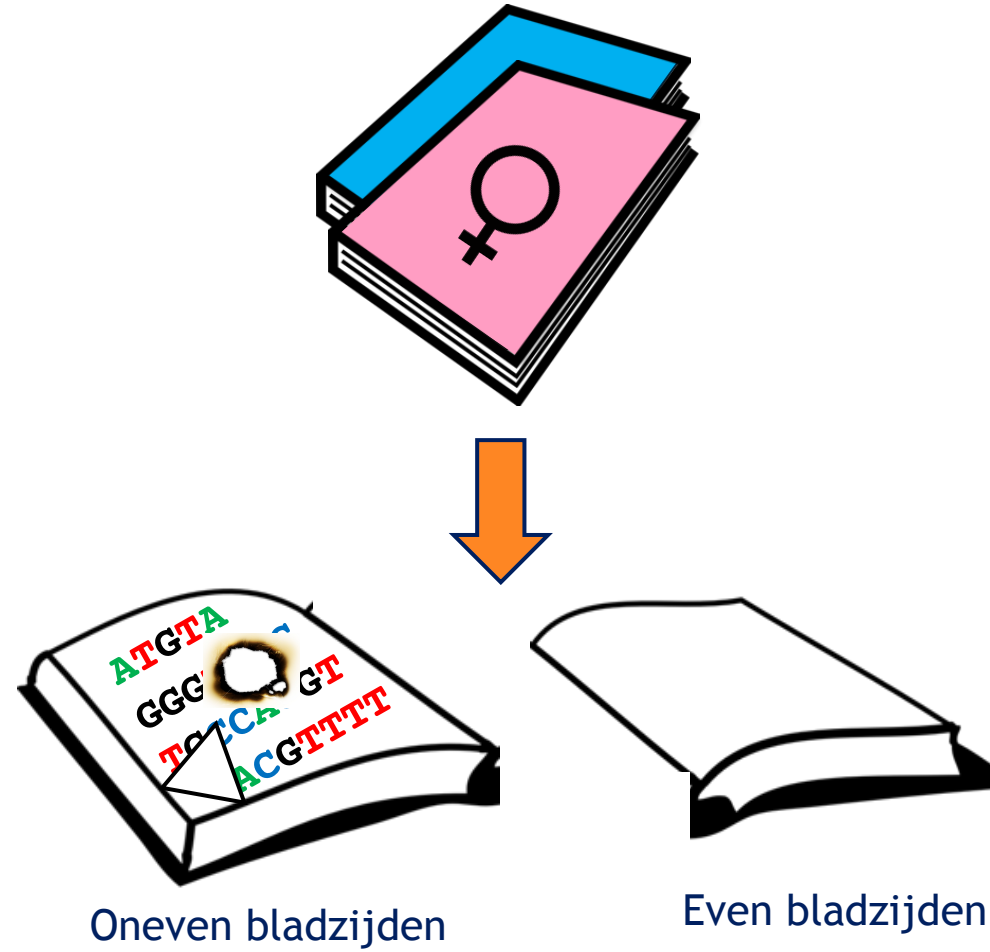
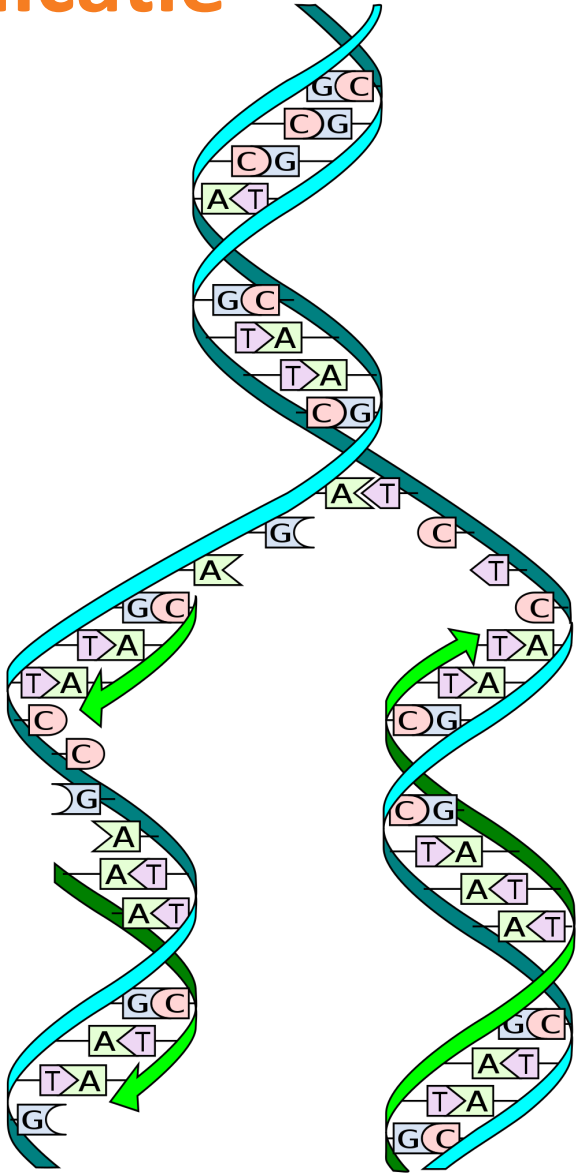
3.000.000.000 letters

Schrijf dit 37.000.000.000.000 over!

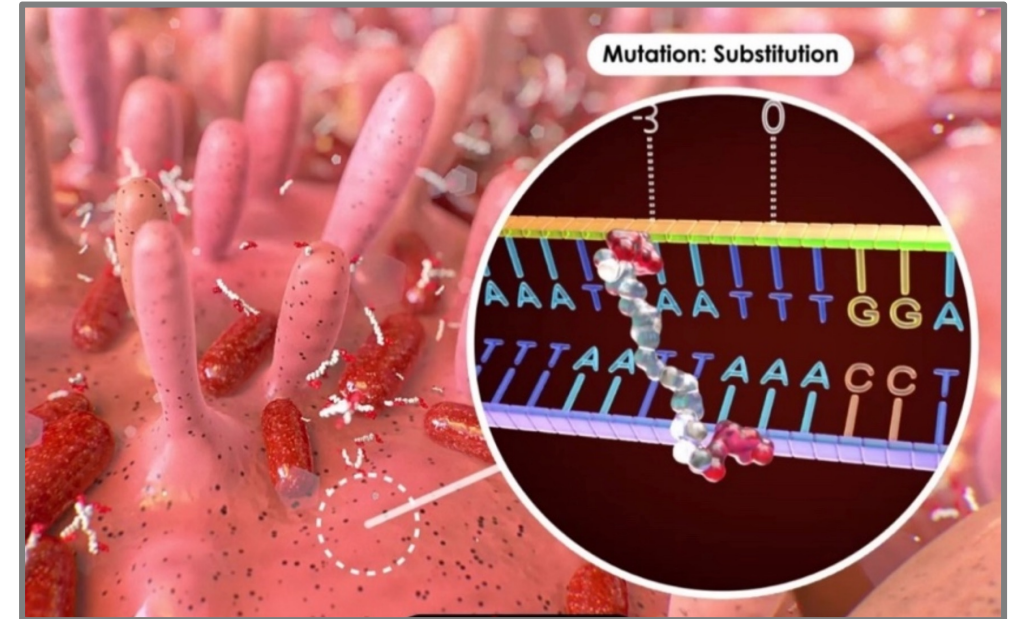
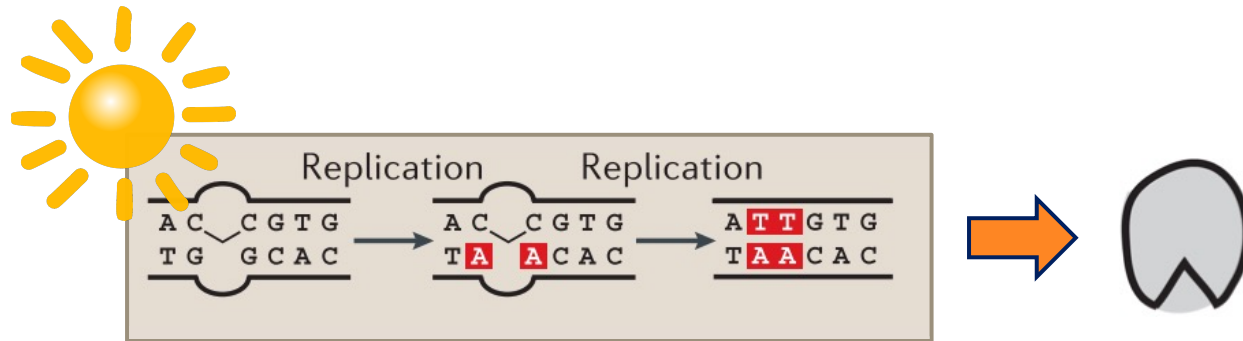
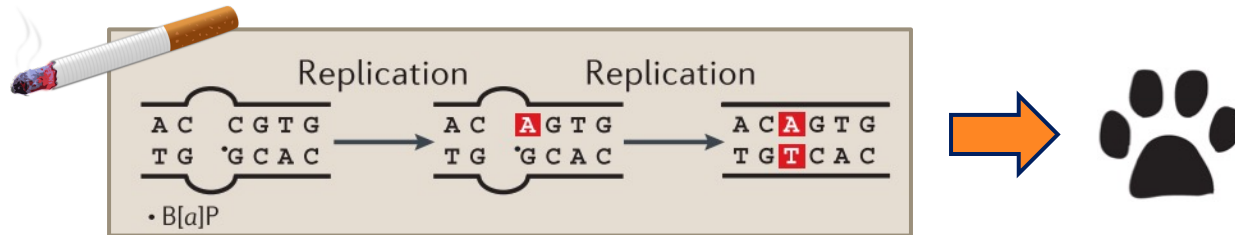
Wat veroorzaakt DNA mutaties?



DNA replicatie



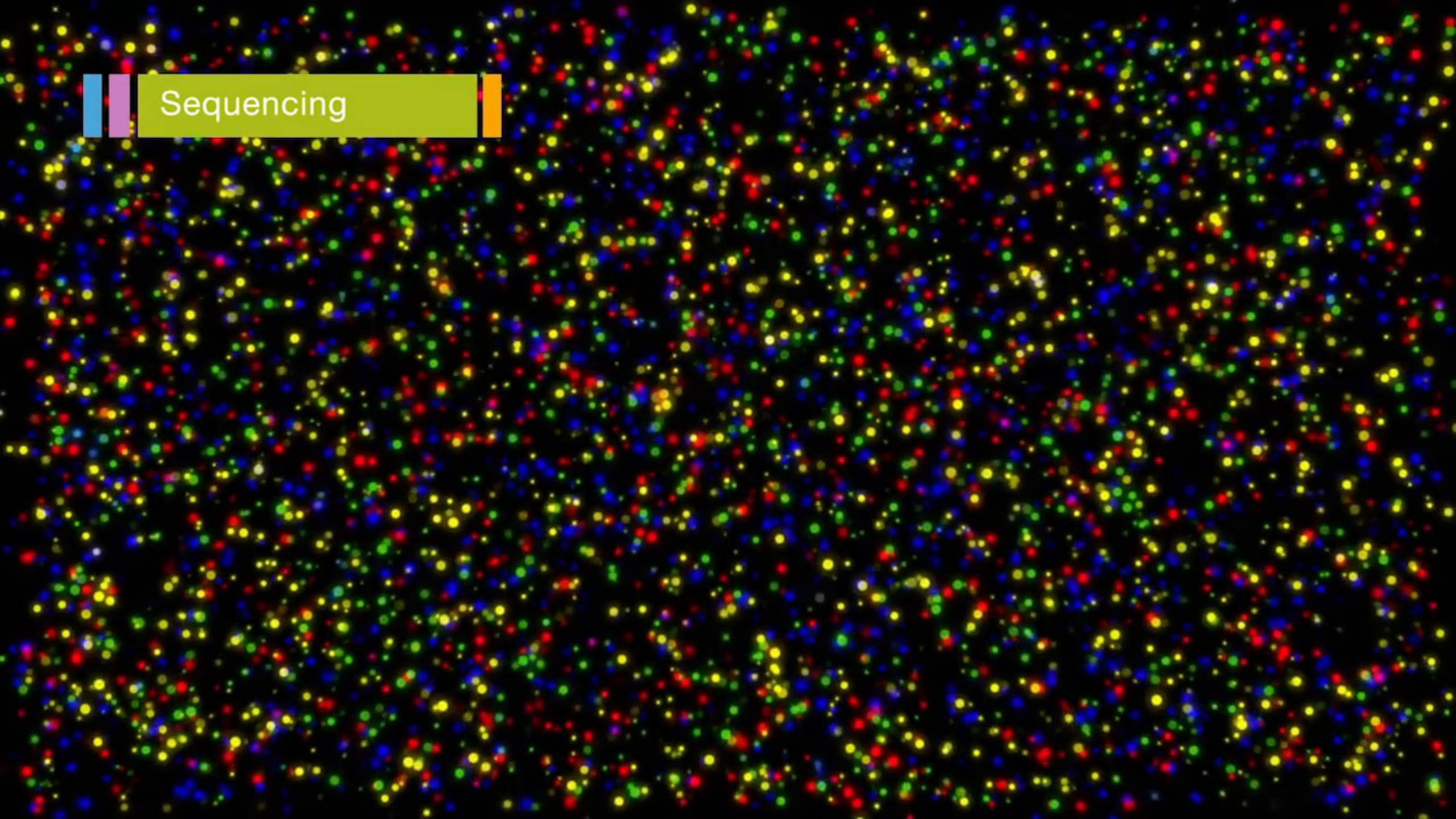
Mutaties vormen een DNA spoor



Lezen van DNA = Sequencing



T G C A

The background of the slide is a dense field of small, multi-colored dots in shades of red, green, blue, and yellow, set against a black background.

Sequencing

Wat kunnen we hiermee?



Blootstelling



Aanleg



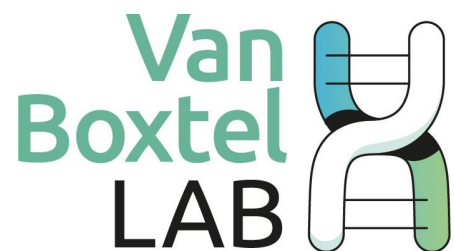
Gevoeligheid



Waarom kinderen?



Vragen?



**Oncode
Institute**

*Outsmarting cancer
Impacting lives*

