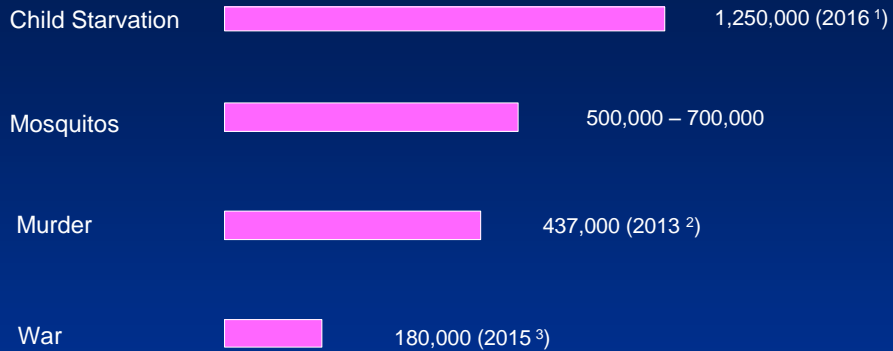


Worldwide Causes of Death



¹ Statistic Brain
<<http://www.statisticbrain.com/world-hunger-statistics/>>

² IPI Global Observatory
<<https://theglobalobservatory.org/2015/05/homicide-monitor-brazil-mapping/>>

³ International Institute for Strategic Studies
<<http://www.iiss.org/en/about%20us/press%20room/press%20releases/press%20releases/archive/2016-3b31/may-2f66/armed-conflict-survey-2016-press-statement-9243>>

Zika Virus

Pregnant mother bitten → Child with shrunken brain



Zika babies: only 2 studies – different outcomes

Polynesia: 8 deformed brain out of 31,000 Zika patients (~1%)

Brazil: 4 of 88 pregnancies (4.5%)

Warning: “Something’s gone very wrong with brain development”

...Dr. Margaret Honein, US Centers for Disease Control

2013 Changing Your Genes: CRISPR Cas9 “Genetic Engineering” “Gene Editing”

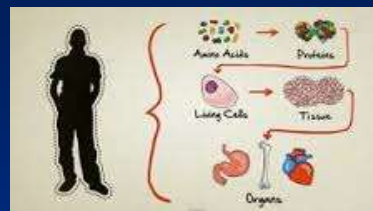


“Genomics and gene editing are poised to radically change our world and to literally change us.

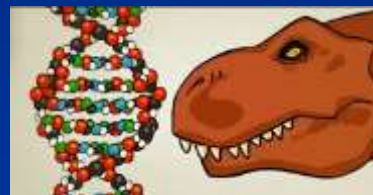
...George Church
Harvard,
Mar. 9, 2015

Basic Genetics

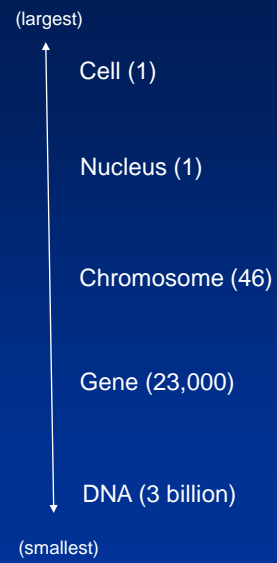
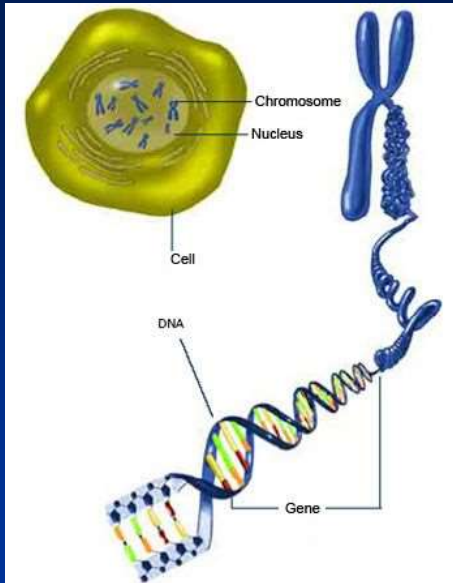
What is DNA?



What is a Gene?



Genetics Summary: Life-like Drawing



CRISPR Cas9 Technique: Simplified

