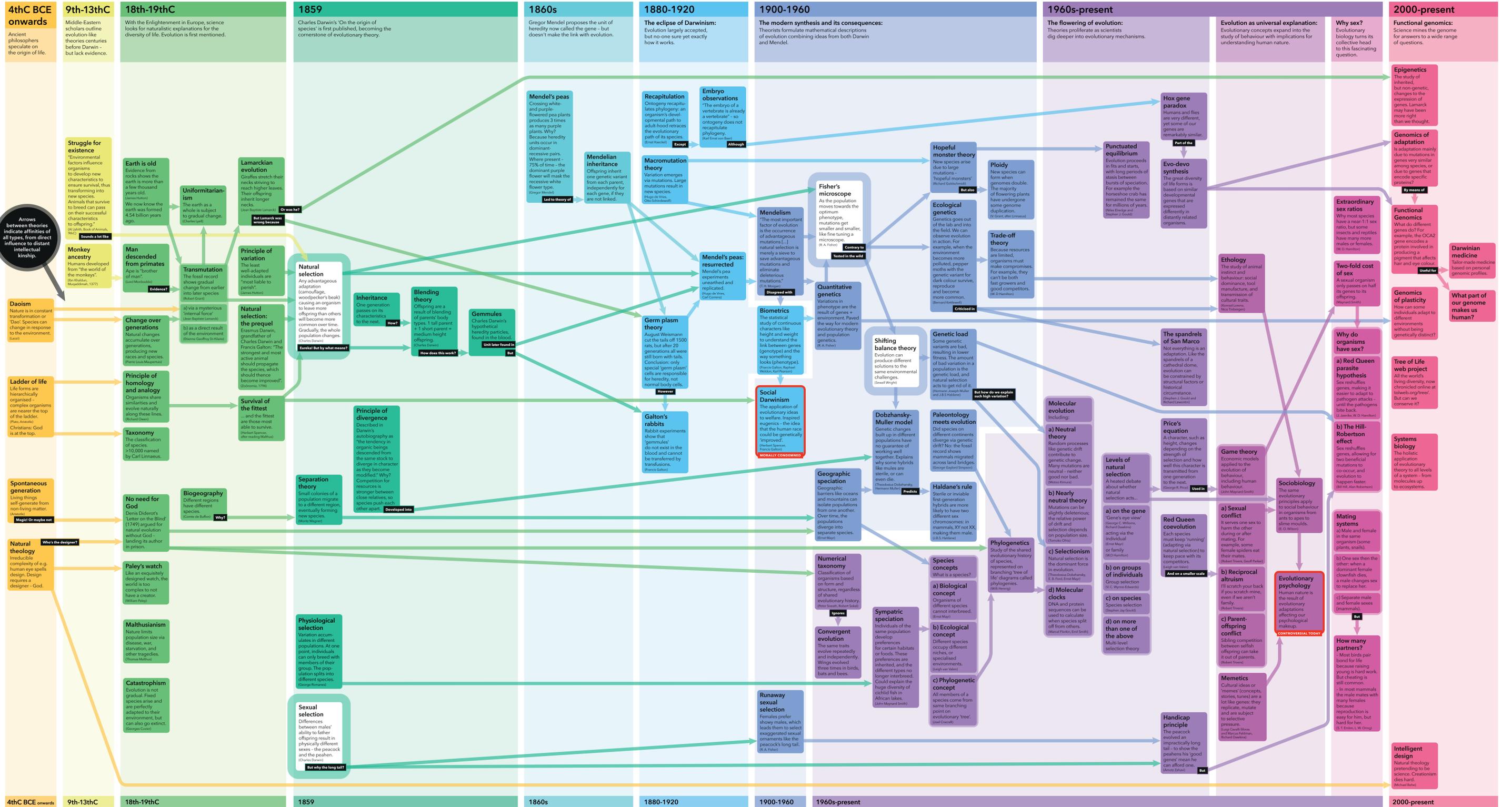


# EVOLUTION

A progression of scientific thought

"Nothing in biology makes sense except in the light of evolution."  
(Theodosius Dobzhansky, 1973)



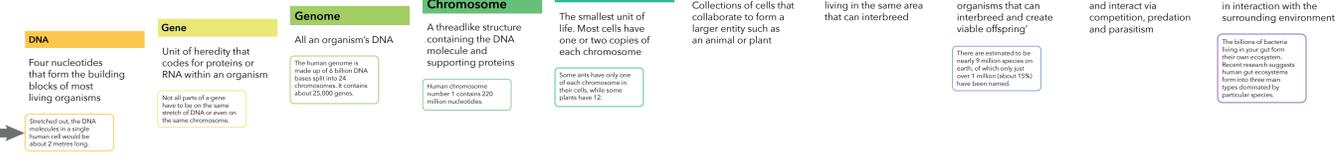
## The four elements of evolution

Just four genetic processes govern the proliferation of species

- 1. Natural Selection**  
Genetic variants linked to advantageous traits (such as height, resistance to disease) cause an organism to leave more offspring.
- 2. Drift**  
The change in a genetic variant from one generation to the next due to chance - and not to natural selection.
- 3. Mutation**  
Genes undergo accidental changes - or mutations - caused by radiation, viruses, or simple copying errors.
- 4. Migration**  
The process by which genes or gene variants transfer from one population to another.

## How life is organised

Step by step, from simple to wildly complex



## Sources/credits

Darwin, C. (1859). On the origin of species by means of natural selection, or the preservation of favoured races in the struggle for life. London: John Murray

Ridley, M. (2004). Evolution. 3rd edition. Oxford: Blackwell Science Ltd.

Ruse, M. and Travis, J. eds. (2009). Evolution: the first four billion years. Harvard: Harvard University Press.

Research: Tania Jenkins, Miriam Quirk  
Design: Stefanie Posavac

Kindly funded by a grant from the European Society for Evolutionary Biology  
<http://www.eseb.org/>

Thanks to Sarah Otto, Tadeusz Kawecki and Christine Clavien for comments on drafts