

[Click Here for Video --> Eve: Real Evidence | Origins with Dr. Robert Carter](#)

★ 0:00 "Origins" Program Introduction

- 0:58 Host: Dr. Donn S. Chapman Guest: Dr. Robert Carter
- 1:10 Eve: Real Evidence
- 1:29 What is a gene?
- 1:42 The Human Genome
- 1:59 The mitochondria - Controls cellular energy production - Mitochondrial DNA only from mother
- 2:33 A mitochondrial family tree can be constructed all the way back to one ancestral woman
- 2:54 The "Out of Africa" Theory - Mitochondrial Eve
- 3:38 Evolutionary Assumption: - An old population will incur a lot of mutations over time.
- 4:34 Evolutionary Assumptions: - Molecular Clock - Same demographics among all populations - No mutation to anything that might affect the speed of evolution
- 5:25 All these assumptions are questioned by evolutionists themselves.
- 5:30 Does the evidence also fit "Out of Babel?"
- 5:39 Mutations arise quickly in small populations. They are often harmful due to inbreeding.
- 7:31 Africa has more genetic diversity than the rest of the world put together. All of Europe has about as much genetic diversity as one African tribe.
- 7:58 The "Out of Africa" Model
- 8:20 The hot spot of diversity -- very close to Babel and the Biblical picture of dispersion.
- 8:38 The Babel dispersion map is very similar.
- 9:34 Out of the many creation and flood theories throughout the world, was it just chance that the ancient Hebrews guessed it correctly?
- 9:48 Schematic of Evolutionary History of Mitochondrial Lines
- 11:21 Where Do We Put Mitochondrial Eve?
- 11:51 From Eve to Babel
- 12:04 Are M, N, and R the wives of Noah's three sons taken onto the ark during the flood?
- 13:25 The Biblical chronology fits well with observed mutation rates today.
- 13:51 Eve's Sequence is Known
- 15:27 This does not imply any racism.
- 16:09 The distribution of mutations suggests a shorter rather than a longer time span.
- 16:30 This is consistent with a young genome.
- 16:59 Starburst Patterns
- 17:41 This is the kind of pattern we expect from one dispersion in the past and a young genome.
- 18:35 Information About Dr. Robert Carter
- 19:24 Sub-Saharan Africa - South of the Sahara Desert - People very different from everywhere else in the world
- 19:49 Assumptions of the Molecular Clock Questioned
- 20:15 Natural Selection in Mitochondrial Lines
- 21:00 DNA Repair Enzyme
- 21:27 The Genetic Triage Hypothesis - Dr. Bruce Ames -- Environmental Causes
- 22:30 Genesis 10:32 -- The Key to Understanding Modern Genetics
- 22:48 Implications of Paternal Sorting 1. Y Chromosomes (male) 2. mtDNA (female)
- 24:03 God's Word Validated

