

Higher Order in Biology Molecules to Mankind

I think I am I believe

$E=MC^2$

Periodic Table of the Elements

DNA Double Helix

Molecular Model

Woman Writing

Barriers to Understanding Life

- Limiting input of new dots
- Focusing on wrong dots
- Imprecise definitions/misunderstanding dots
- **Language and Communication**
 - Personal – no problem!
 - Community/Transference – Big problem.

Language Problem! Modern Day 'Tower of Babel'

Examples:

- Science
- Evolution
- Creationist
- Random
- Naturalism
- Christian
- Mutation

* Emotional obstacles

Coming to Terms with Terms *Definitions of Evolution*

- Evolution, change through time (generic)
- Evolution, (genetic mechanisms and development)
- Evolution, (atheistic)
- Chemical evolution (first life)

Is evolution a theory or a fact?

Evolution is a theory **AND** a fact!

Fact - biological evolution has, and is occurring.

Theory – explains many diverse facts from different scientific disciplines.

Science and Faith Controversy

The Crux of the Issue:

- Scientists are suspicious that Christians want to insert religious beliefs into science
- Christians fear that science seeks to remove God from the picture altogether.

Are these suspicions and fears warranted?
Who will stop the cycle?

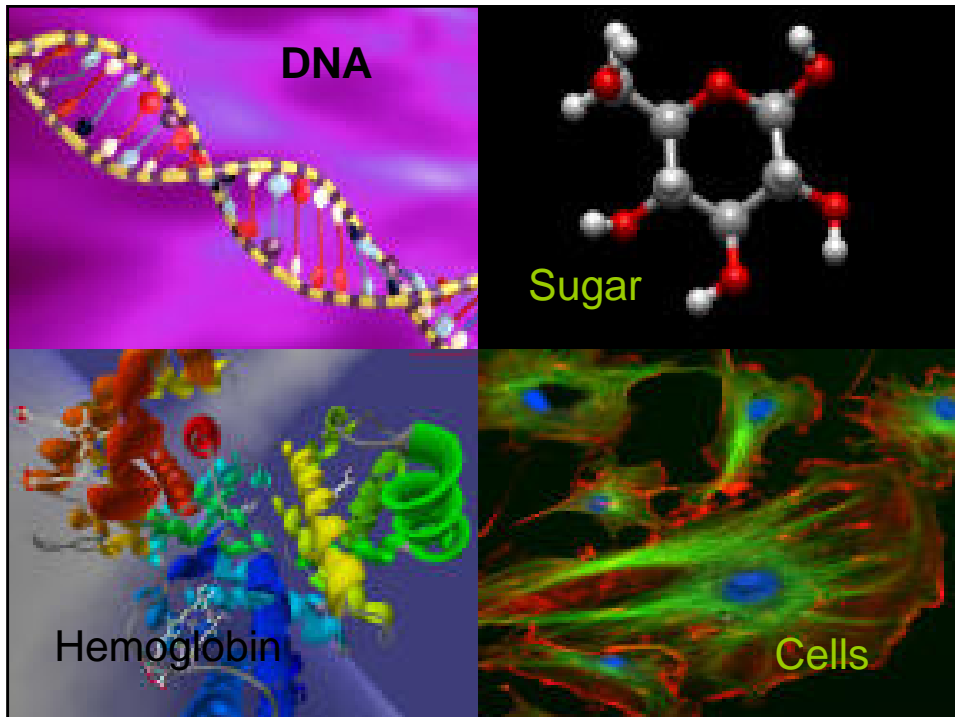
Understanding Randomness

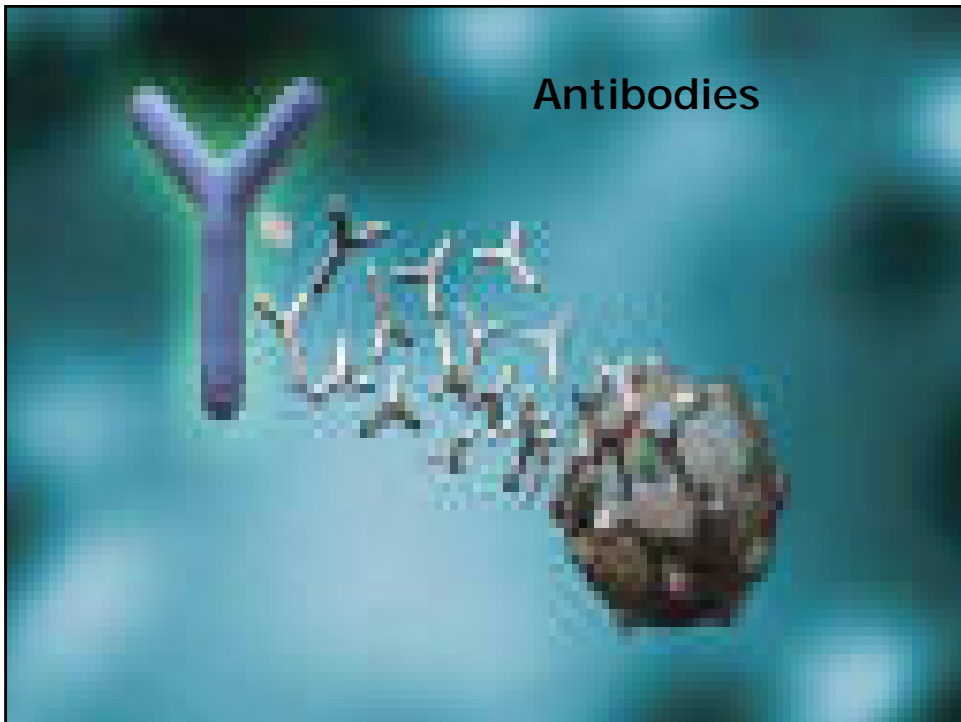
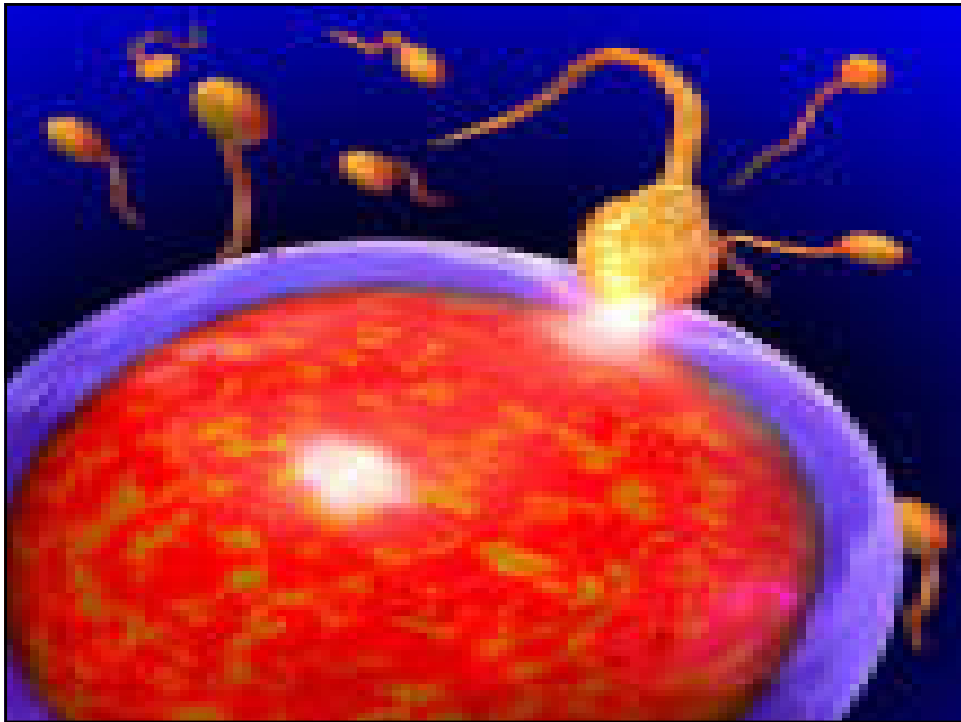
- Haphazard, coincidence, chance, purposeless.
- Equal opportunity of occurrence! Biology as an equal opportunity process.

If random is defined as purposeless, then
connecting this dot to a purposeful God is
IMPOSSIBLE!

Why is it Crucial that Randomness be Properly Understood?

- Random processes are observable biological realities!
 - Biochemical/physical reactions
 - Sperm/egg formation and fertilization
 - Immunity
 - Random Mutation and Selection (Evolution)



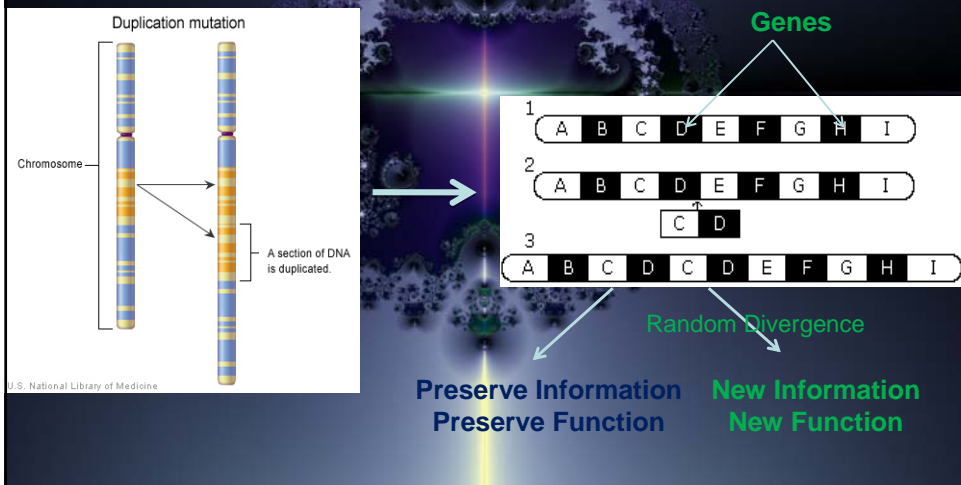


Recent Genetic Evidence of Evolutionary Creation

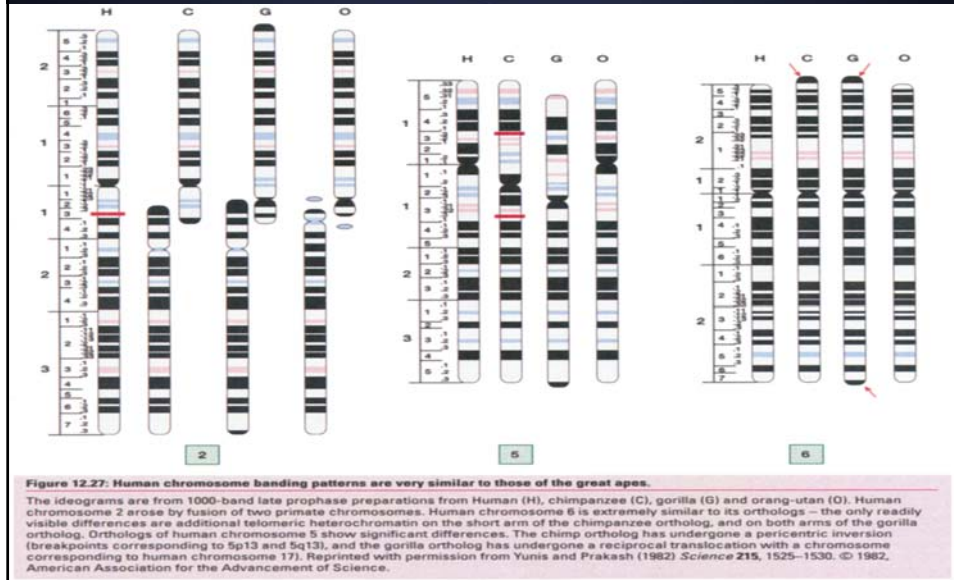


Genetic Mechanisms Driving Evolution

Primary Mechanism for Increasing Information
 -- Gene duplication, then *random divergence*



Genetic Record: Chromosome Comparisons of Humans and Apes



Fugu rubripes- Pufferfish

What do
Pufferfish
(~400 MYA)
have in
common with
humans?



**Both have a Functional Huntingtin Gene.
Both have 67 exons the exact same sequence**

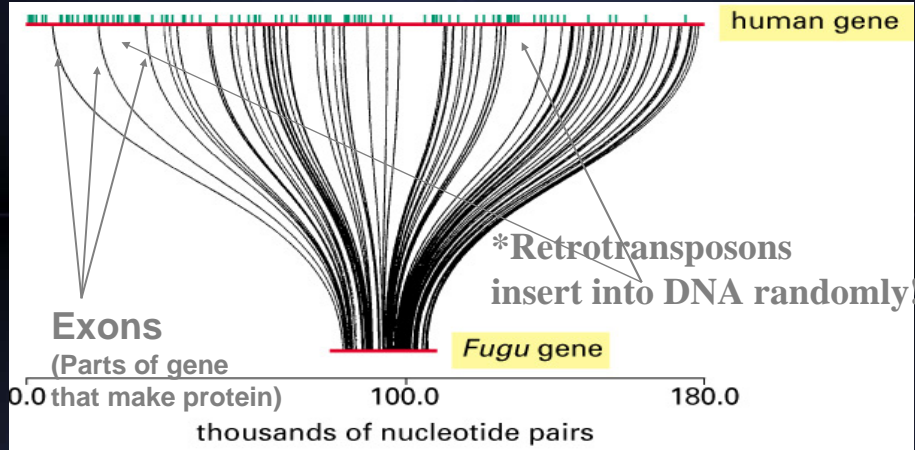


Figure 7-113. Molecular Biology of the Cell, 4th Edition.

95% of Retrotransposons in Chimpanzee and Human Huntingtin Gene are the Same!

Is Anything Truly Random?

21344321143223411342

21344321143223411342

21344321143223411342

Is Anything Truly Random?

01123581321345589

(Fibonacci Numbers)

Is Anything Truly Random?

213313424413241441323323223131

213313424413241441323323223131

Adenine = 1 Thymine = 2 Cytosine = 3 Guanine = 4

TACCACGTGGATGAGGACTCCTCTTCAGA

AUGGUGCACCUGACUCCUGAGGAGAAGUCU

Met - Val - His - Leu - Thr - Pro - Glu - Glu - Lys - Ser
(Hemoglobin gene codes for Hemoglobin Protein)

🔊 It is music to the ear! Listen!

A Super Intelligence Would Know No True Randomness

- **EVERYTHING**, regardless of deep complexity and apparent random nature, would actually possess logical, orderly, and purposeful connections.

****Randomness and evolution need not detract from belief in God. They can be viewed as part of a purposeful plan.**

Fundamental Questions:

--Does the creative logic revealed by science demonstrate the existence of a Creator?

OR

--Does the existence of innately creative natural laws eliminate God from the picture altogether?

Honest answers to honest questions...

A New Direction is Needed

- Win/Win: Each side granted core needs
- Commit to solutions - Set positive examples.
- Strengthen/affirm science and religious belief.
- Recognize role of language/emotions.
- Respect individual understanding and diversity

Random (Equal Opportunity) Design A New Model for Building Bridges Between Science and Faith

*Random Design - a **powerful process** for creating higher order, especially in living beings. Harnessing the laws of randomness, it functions by first generating large arrays of potential building blocks from which the most suitable candidates are sequentially incorporated into an ever-advancing architectural design.*

*Random (Equal Opportunity) Design
A New Model for Building Bridges Between
Science and Faith*

Strengthening Science:

- Recognizes that science must be free to pursue truth wherever it leads.
- Refuses to redefine or compromise integrity of science to meet religious standards.
- *Does not* explain biological processes and mechanisms in supernatural terms.

*Random (Equal Opportunity) Design
A New Model for Science Education*

Strengthening Religious Faith:

- Provides a permanent secure place for plausibility of Creator.
- Ecumenical; offering a larger more expansive vision of God as Creator.
- Restores credibility of religious representatives.
- Provides a viable platform to restore trust and relationships.

