

Jesus is Better

BOOK OF HEBREWS

Molecular Evidence for Design



¹God, after He spoke long ago to the fathers in the prophets in many portions and in many ways, ²in these last days has spoken to us in His Son, whom He appointed heir of all things, through whom also He made the world. ³And He is the radiance of His glory and the exact representation of His nature, and **upholds all things by the word of His power.**

Hebrews 1:1-3

¹⁸ For the wrath of God is revealed from heaven against all ungodliness and unrighteousness of men, who suppress the truth in unrighteousness, ¹⁹because that which is known about God is evident within them; for God made it evident to them.

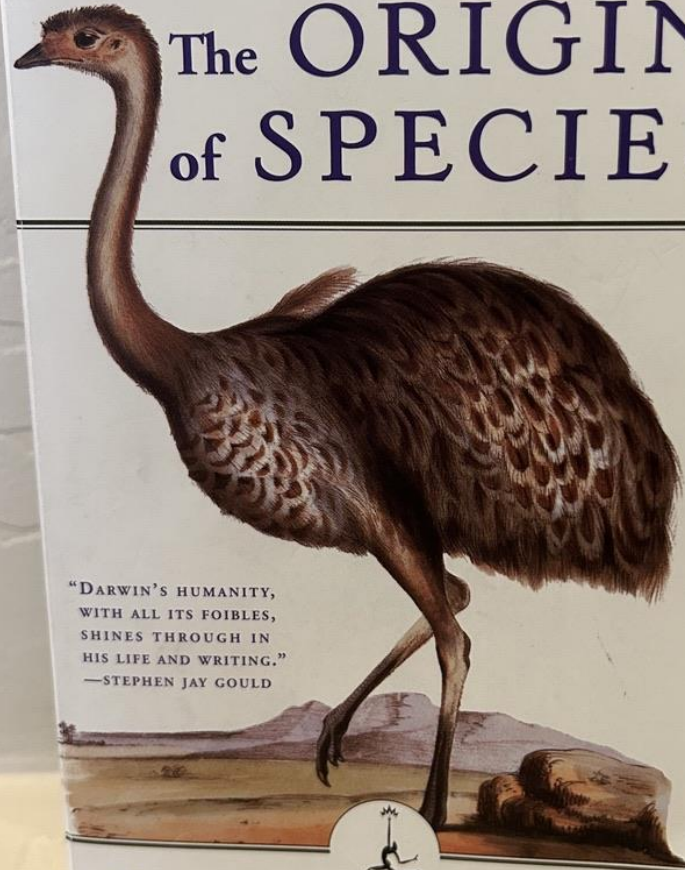
Romans 1:18-19

20 For since the creation of the world His invisible attributes, His eternal power and divine nature, have been clearly seen, being understood through what has been made, so that they are without excuse. 21 For even though they knew God, they did not honor Him as God or give thanks; but they became futile in their speculations, and their foolish heart was darkened.

Romans 1:20-21

A MODERN LIBRARY PAPERBACK

The ORIGIN of SPECIES

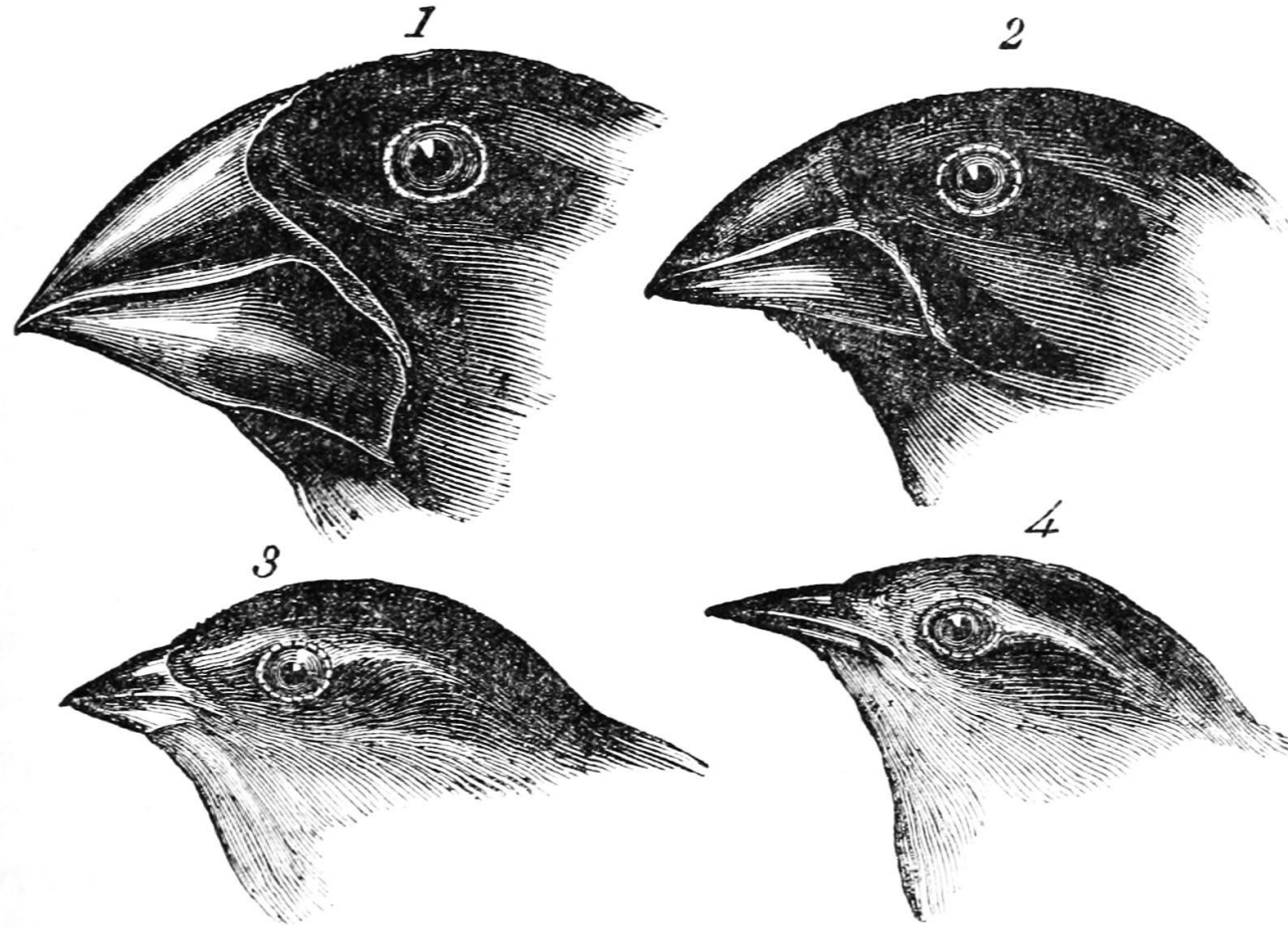


"DARWIN'S HUMANITY,
WITH ALL ITS FOIBLES,
SHINES THROUGH IN
HIS LIFE AND WRITING."
—STEPHEN JAY GOULD



CHARLES DARWIN

Darwin's Finches



1. *Geospiza magnirostris*.
3. *Geospiza parvula*.

2. *Geospiza fortis*.
4. *Certhidea olivacea*.

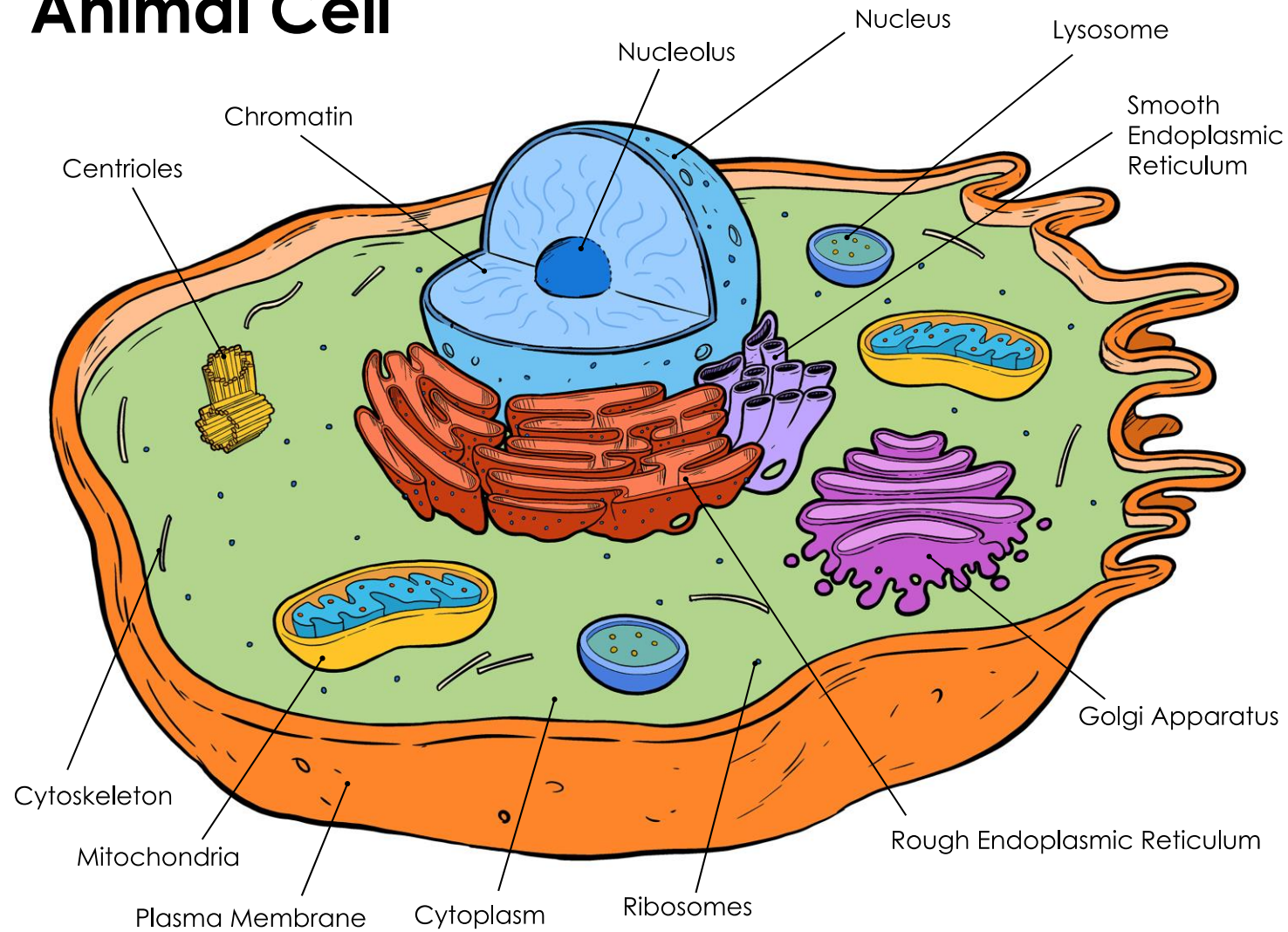
Courtesy
John Gould

Darwin's Condition

“If it could be shown that any complex organ existed, which could not possibly have been formed by numerous, successive, slight modifications, my theory would absolutely break down. **But I can find out no such case.”**

Darwin C, The Origin of Species, (1993) New York: Random House, p. 232

Animal Cell



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Intelligent Design

“The theory of intelligent design holds that certain features of the universe and of living things are best explained by an intelligent cause, not an undirected process such as natural selection.”

intelligentdesign.org

Three Arguments for Intelligent Design

- 1. Irreducible Complexity (Behe)**
- 2. Confounded Interdependence (Maine)**
- 3. Origin of Biological Information (Meyer)**

The Biochemical Challenge to Evolution



DARWIN'S
BLACK BOX

"No one can propose to defend Darwin without meeting the challenges set
out in this superbly written and compelling book."

—David Berlinski, author of A TOUR OF THE CALCULUS

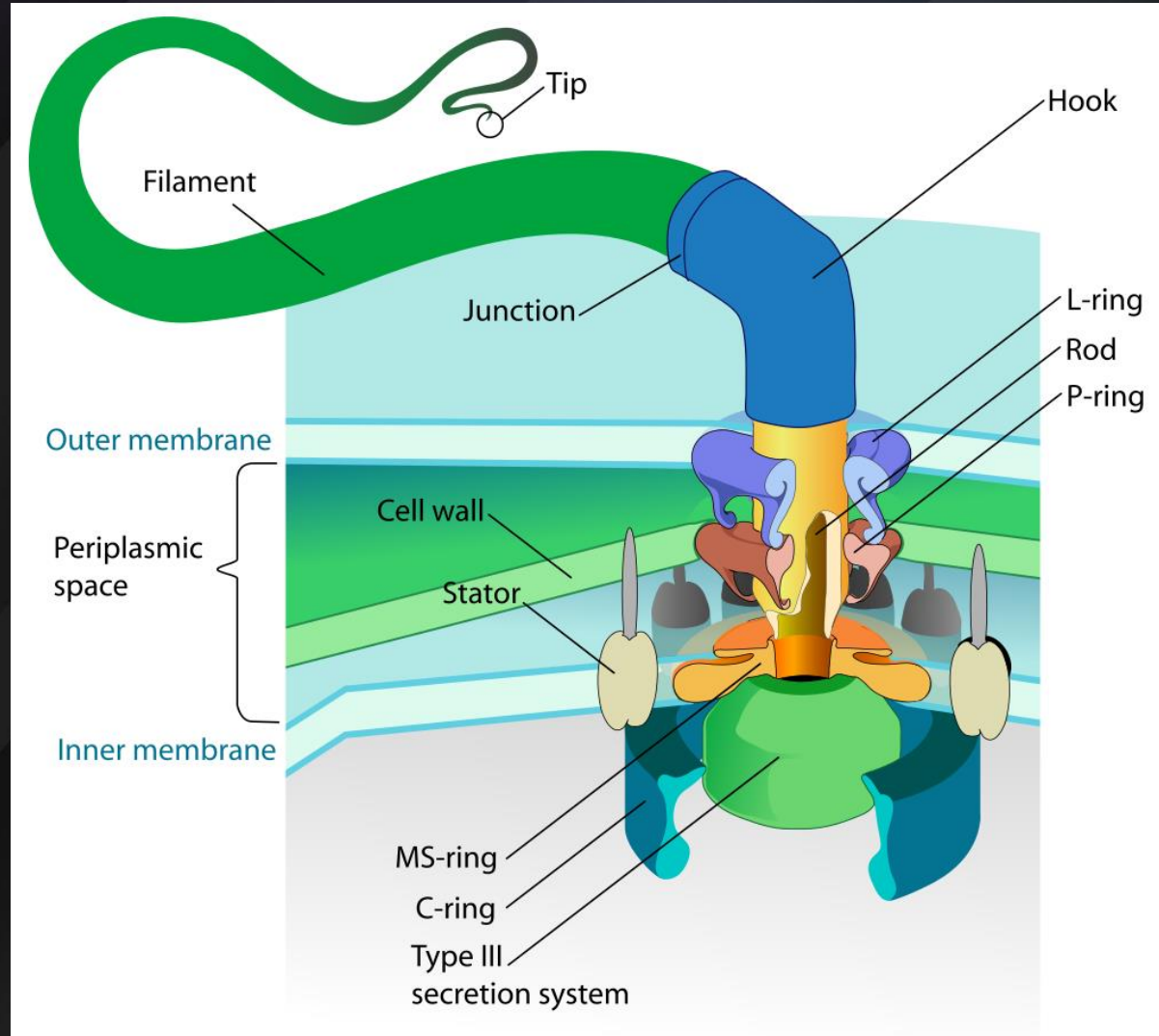
MICHAEL J. BEHE

Irreducible Complexity

“I mean a single system composed of several well-matched, interacting parts that contribute to the basic function, wherein the removal of any one of the parts causes the system to effectively cease functioning.”

Behe (1996), *Darwin's Black Box*, p.39

Bacterial Flagellum



Courtesy
Wikipedia

MUTANTS OF *S. CEREVISIAE* DEFECTIVE IN THE MAINTENANCE OF MINICHROMOSOMES

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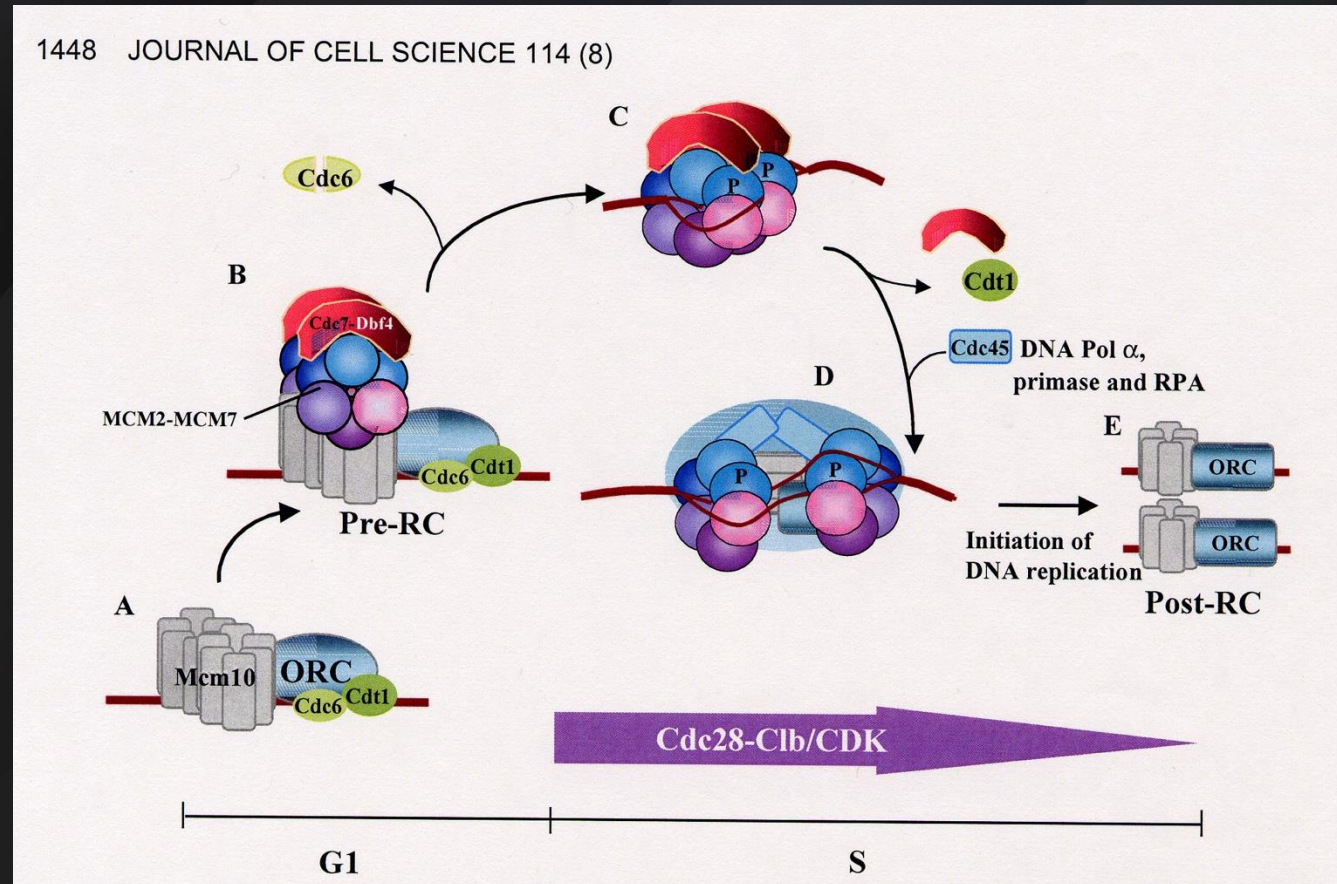
Manuscript received September 13, 1983

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ABSTRACT

We have isolated yeast mutants that are defective in the maintenance of circular minichromosomes. The minichromosomes are mitotically stable plasmids, each of which contains a different *ARS* (autonomously replicating sequence), a centromeric sequence, *CEN5*, and two yeast genes, *LEU2* and *URA3*. Forty minichromosome maintenance-defective (Mcm^-) mutants were characterized. They constitute 16 complementation groups. These mutants can be divided into two classes, specific and nonspecific, by their differential ability to maintain minichromosomes with different *ARS*s. The specific class of mutants is defective only in the maintenance of minichromosomes that carry a particular group of *ARS*s irrespective of the centromeric sequence present. The nonspecific class of mutants is defective in the maintenance of all minichromosomes tested irrespective of the *ARS* or centromeric sequence present. The specific class may include mutants that do not initiate DNA replication effectively at specific *ARS*s present on the minichromosomes; the nonspecific class may include mutants that are affected in the segregation and/or replication of circular plasmids in general.

Role of the MCM Helicase in DNA Replication



Lei, M. and B.K. Tye (2001) J. Cell Sci. 114:1447-1454

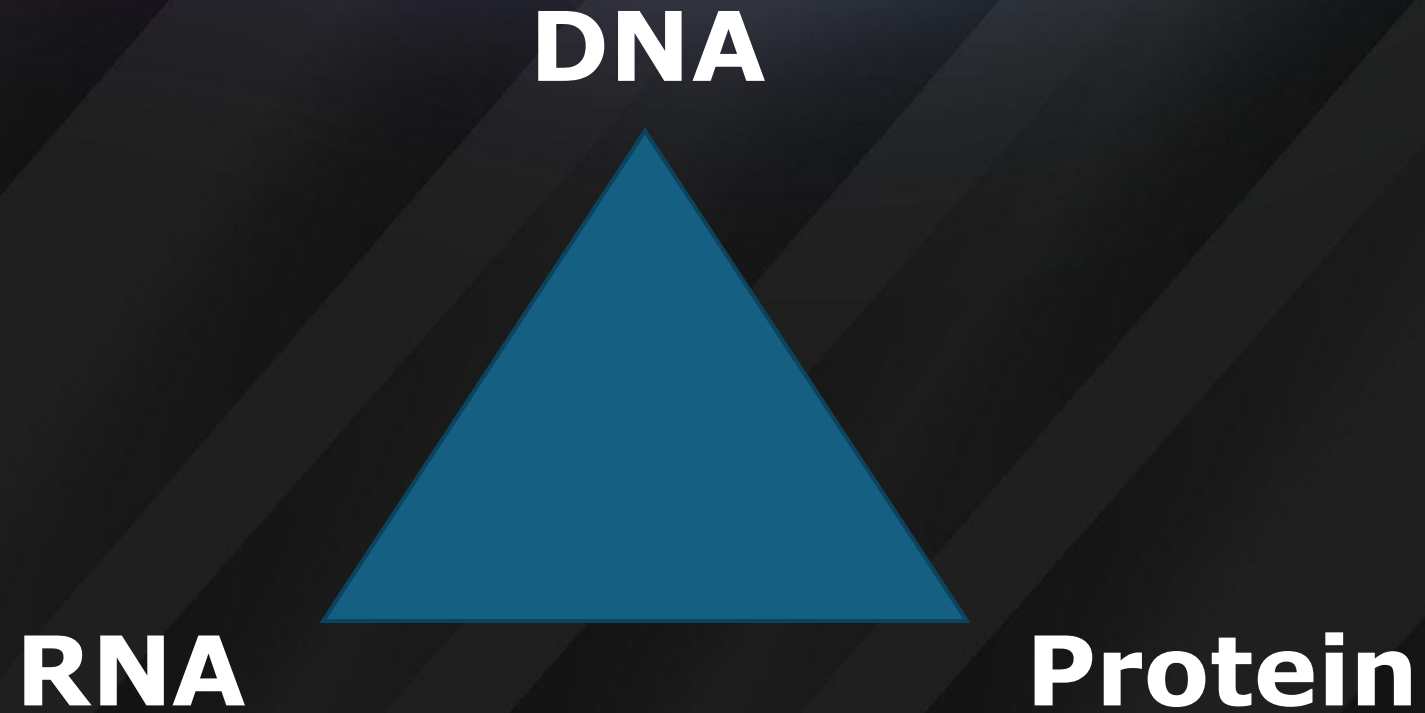
Molecular Conundrum

**If the MCM helicase is the key to unlock the DNA for DNA replication, how can helicase do this when the code for the helicase is inside the DNA library?
Which came first?**

Confounded Interdependence

“The synthesis of one macromolecule requires simultaneous presence of other macromolecules for its synthesis and vice-versa.”

Triangle of Confounded Interdependence



Origin of Biological Information

**DNA, RNA, Proteins, Protein Complexes
all contain biological information:**

DNA- A G C T

RNA- A G C U

**Proteins- 3D structure composed of 20
different aa**

Human Body and Genome

- **~30 trillion cells in a human body**
- **3.1×10^9 bp (A, G, C, T)**
- **6 ft long**
- **~25,000 genes (1.5% of the genome)**
- **1,000 books with 1,000 pages each stacked 11 stories high (167 ft)**

Summary

**Irreducibly
Complex**

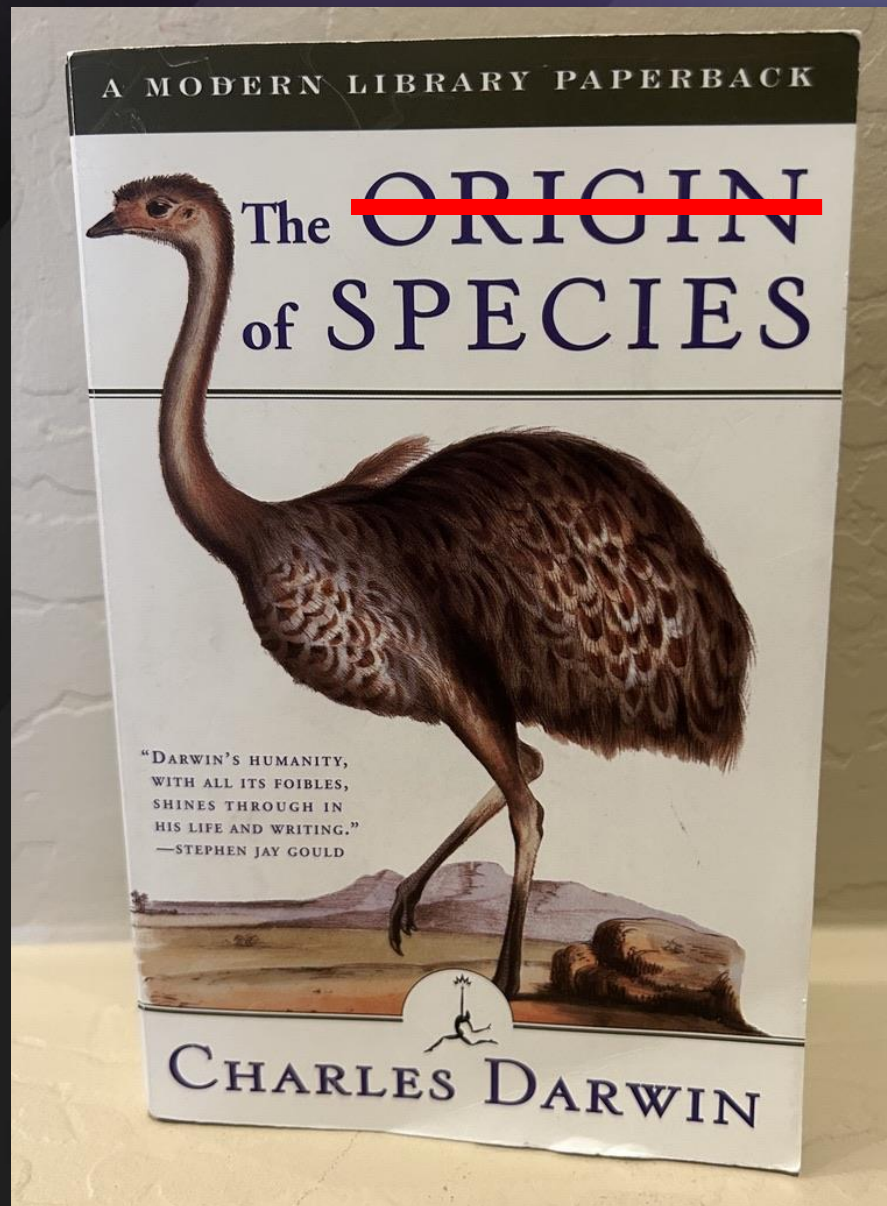
**Confounded
Interdependence**

**Origin of
Biological
Information**

Intelligent Design



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graph TD; A[Irreducibly Complex] --> D([Intelligent Design]); B[Confounded Interdependence] --> D; C[Origin of Biological Information] --> D;
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VARIATION



“Biologists must constantly keep in mind that what they see was not designed, but rather evolved.”

Francis Crick, Nobel Laureate 1962

todayinsci.com

Genesis

I: THE PRIMITIVE HISTORY

The Story of Creation

In the beginning God created the heavens and the earth; 2 the earth was waste and void; darkness covered the abyss, and the spirit of God was stirring above the waters. 3 God said, "Let there be light," and there was light. God saw that the light was good. 4 God separated the light from the darkness, 5 calling the light Day and the darkness Night. And there was evening and morning, the first day.

Jesus is Better Than Mother Nature

