The Heavens Declare the Glory of God...
The Law of the Lord is Perfect, Restoring the Soul
Psalm 19

Theory of Biological Design
Notes at: IfMyPeople.us

The theory of biological design (ToBD) is a hypothesis that seeks to test and prove that life is exquisitely *designed* to react *internally* to external events. Big E evolution says that organisms react to external events through the mechanism of defective mutations resulting in death producing new information, unobserved in nature.

Review

- Life is Exquisite
  - **Beauty** - Life's elegance is displayed by its Maker in wondrous and awe inspiring beauty - not chance.
  - **Balance** - Ecosystems rely on other life for their survival, and have myriad sub-systems and cycles to support its existence in biology, geology, astronomy, and physics - to name a few!
- **Bodacious Design** - Life is bright, colorful, often playful, and occasionally terrifying in its wide variety and awesome design.
- **Bogus Counterfeits** - Unproven and debunked ideas litter the landscape of big E Evolution

Why a Theory of Biological Design is Needed

- For humans it honors God and offers a firm statement rather than a reply.
- For science, Selectionism/ Big E theory is currently the only game in town (theory) is deeply flawed.
- For researchers it provides a framework for research

Negative evidence does not drive out Evolution through Natural selection NS
Also, evolutionists say only "experts" not ordinary folk can understand the Theory, excluding dissent.

Lastly, evolution theory strives to make natural selection the only game in town. Evidence disproving evolution/natural selection is attributed to unobserved mutation requiring further study, not that it's untrue.

Continuous Environmental Tracking

- Darwinian evolution attempts to explain life and its apparent design Without a Creator.

- Evolution attributes adaptation to chance external environmental as opposed to God's creation of internal biological systems that drive adaptation.
- The continuous tracking model demonstrates that organisms, and even entire populations, have built-in abilities to track their environments and readily adapt with appropriate responses.
- Only intricately and purposely designed biological can respond in this way. - https://www.icr.org/article/continuous-environmental-tracking-wrap-up

The Mechanism of the Theory

The Point - Psalm 148:1-6

Praise the LORD! Praise the LORD from the heavens; Praise Him in the heights! Praise Him, all His angels; Praise Him, all His hosts! Praise Him, sun and moon; Praise Him, all stars of light! Praise Him, highest heavens, And the waters that are above the heavens! Let them praise the name of the LORD, For **He commanded and they were created**. He has also established them forever and ever; He has made a decree which will not pass away.

Why a Theory of Biological Design is Needed

- **Evolutionary selectionism was developed to explain the design in organisms without the involvement Of a Creator.**
- **Without a viable alternative, selectionism has become the default framework for interpreting biological Observations.**
- **Biology needs an alternative theory that is rational, is evidence-based and doesn't rely on the mystical personification of nature as a selective agent.**
- **An engineering-based theory of biological design offers a new framework to investigate biological phenomena. -**

https://www.icr.org/article/why-biology-needs-theory-biological

Continuous Environmental Tracking

Device	Computer	Cave Fish
Input	Mouse/Keyboard/Camera	Eyes, Ears, Skin, etc
Logic	Program	Genes and Gene Helpers
Output	Screen/Printer/File	Changes in Eye Function
What is Updated	The Output	The program (DNA)

CET According to [CET], all organisms actively track conditions within specific environments to perform adaptive self-adjustments through internal mechanisms. These changes appear rapidly and show no sign of genetic change.

Continuous environmental tracking (CET) is ICR's engineering-based, organism-focused model of adaptation.[3] CET hypothesizes that organisms possess innate systems that actively and autonomously track changing conditions using system elements that are similar to those found in human-engineered tracking systems. As we research literature and model organisms, we search for sensors to detect changing conditions, if-then logical algorithms, and output responses in the form of suitably modified traits. - https://www.icr.org/article/continuous-environmental-tracking-

Very Important: In both CET and computer programming, the program is not changed, it changes **outcomes**. Unlike Christ, no program updates, patches are ever needed.

Does it Work?:

Preliminary results reveal:
•Cavefish increase the amount and distribution of melanin pigment across their body when exposed to artificial sunlight.
•Cavefish exhibit behavioral and physiological tolerance to low pH and low oxygen.
•Surface fish decrease pigmentation across their body and labor during respiration in low pH and low oxygen.
•Melanin pigmentation in surface fish is noticeably reduced by immersion in deionized water.
•Cavefish and surface fish respond to treatments within weeks of exposure.
•Experimental responses by cavefish and surface fish are not limited to multigenerational genetic inheritance.
•Degeneration of eye formation by cell death (apoptosis) is detectable through confocal laser scanning microscopy.
Overall, results indicate that cavefish are pre-acclimated to experimental conditions that simulate limestone cave environments (low pH, low oxygen, and total darkness), and surface fish undergo active self-adjustment when placed into simulated cave environments. - https://www.icr.org/article/14298

ToBD Main Points

- **The Best Explanation for Why Creatures Look Engineered is That They Are Engineered.**
- **Intentional Purpose – Goal-Directed Activity is Expected**
- **Internal Operation – Identifiable Control Systems Are the Cause For All Operations**
- **Agency – Organisms Operate Within Themselves; They Are the Mechanism of Their Change**

Engineered – This provides a response to powerful arguments such as The Blind Watchmaker for nature "selecting" for an organism.

"The Blind Watchmaker" is a seminal work by evolutionary biologist Richard Dawkins, first published in 1986. In this book, Dawkins presents a comprehensive argument for the theory of evolution by natural selection and critiques the idea of intelligent design."

"The central metaphor of the book is the watchmaker analogy, which suggests that the complexity of living organisms implies the existence of a designer, much like the complexity of a watch implies the existence of a watchmaker. Dawkins dismantles this analogy by demonstrating how the process of natural selection, acting on random variation, can produce the appearance of design without the need for a designer." - https://naturalview.org/blind-watchmaker/

Agency – "a thing or person that acts to produce a particular result." - Oxford Dictionary

"The Gaia hypothesis—first articulated by James Lovelock and Lynn Margulis in the 1970s—holds that Earth's physical and biological processes are inextricably connected to form a self-regulating, essentially sentient, system."[2] Lovelock named his theory after the mythological goddess—venerated as the personification of Earth. His theory was meant to tie together several biological phenomena, particularly the tight-knit cooperation between living organisms, life's resilience in the face of catastrophic events, and the close association between the organic and inorganic realms.

All of these observations could be seen as working together with such purposefulness that one explanation for life's origination is the tremendous wisdom and power of God. In contrast, Lovelock hypothesized that the organic and inorganic components of Earth evolved together so tightly that everything on Earth somehow became melded into a single, self-organizing system that seems to mystically exercise an intrinsic agency. This has led some researchers to ask, "Is Earth really a sort of giant living organism as the Gaia hypothesis predicts?" - https://www.icr.org/article/evolutionists-sense-design-deify-nature

Recap:

Worldview	Big E / Selectionism	Biological Design
Influencer (Change Agent)	External	Internal
What Changes	DNA	Genes Switching On and Off
Results	New Information (Actually Death and Extinction)	Animal Adapts to Changing Condition
Glory To	Gaia as Idol	Jesus as Creator

a. Synopsis of a biological research program conducted within an engineering-based framework					
b. Research assumptions of a TOBD as applied to biology:	1. Integrated. Both basic research of biological functions and associated technical applications are within the domain of engineering practice.				
	2. Comprehensive. All biological systems related to development, metabolism, reproduction, and adaptation can be reverse-engineered.				
	3. Instructive. Biological functions will only be accurately explained by models developed utilizing engineering principles.				
	4. Directive. Analyzing human engineering practices will inform predictions and point researchers to accurate characterizations of biological phenomena.				
c. TOBD basic tenets	d. Resulting expectations of findings or interpretations of observations				e. Inferences
Intentionalistic Purpose Goal-directed activity on an organism-wide basis is expected at every research level.	Directed Activity of systems is efficiently directed toward need-fulfilling ends. Embrace the reality of purpose.	Coherent Coherence is pervasive. Explore for system elements functioning simultaneously as both ends and means.	Foresighted Presume traits that function to attain goal-oriented states are indicators of experience-based planning.	Proactive Expect anticipatory planning that integrates knowledge of present conditions, past experiences, and probability of future conditions to produce models that step forward in time to direct upfront responses now to handle needs.	Since systems are always engineered top-down, then purposeful systems linking all biological functions are expected. Deterministic outcomes are evidence of purpose, e.g., repeated, self-regulated attainments of a "final state" from a single cell *are* scientific data.
Internalistic Operation Identifiable control systems within an organism are the true cause for all operations, including adaptations.	Unity The organism is the directing program for all purposeful outcomes and cannot be reduced below the level of self, e.g., DNA and its machinery are a subsystem of the organism.	Precedence An organism's traits determine all of its capabilities. The traits, not external exposures, should be credited with success or failure.	Triggers The actual triggers initiating all self-adjustments by organisms are integrated sensors to detect variable conditions.	Information Organisms sense exposures and extract data. Environments can't send instructions.	Adaptation Organisms optimize the suitability of their traits to the environment through their innate engineered control of the organism-environment relationship.	Corresponding elements are expected between human-designed contrivances and biological systems performing similar functions. Engineering causality eliminates in-observable external interventions. Both internal form and adaptability are governed by innate systems.
Individualistic Agency Autonomous organisms are delineated by a definite "self" boundary and operationally are not to be conflated with "non-self."	Stimuli Internal programming will specify any condition "to be" a stimulus. No condition in and of itself is a "stimulus." Organisms have sensors tuned to each specified condition.	Interfaces Individuals will relate to environments through identifiable interfaces. For two or more independent entities to work together, they must be connected by an interface. Biological interfaces have one to three subsystems: authentication, communication protocols, a common medium.	Organisms as Elements Organisms themselves are discreet elements working together in broader systems. They are not absorbed into a collective. Individuality isn't abolished. "Seamless" operations always have identifiable seams.			Engineered controls will regulate organism–environment relationships. Entangling individual causal operation produces confused explanations. Information explaining ecosystems and interfaces is inferred—it isn't found in information of the elements.

Table 1. *Condensed outline of a theory of biological design (TOBD) that hypothesizes that the best explanation for why creatures look engineered is that they are engineered.*

(a) How a TOBD functions as an interpretive framework of biological phenomena and guides a research program. (b) Research within a TOBD assumes that basic research of biological functions is within the domain of engineering practice and that utilizing engineering principles is necessary to precisely explain biological functions. (c) Three descriptive tenets of any engineered entity that are essential to frame accurate explanations of biological operation. (d) The table's central focus is how TOBD assumptions and tenets guide the interpretation of biological observations (e.g., the default interpretation of an observed genetic change that's adaptive is "directed," not random; causal "precedence" is conferred to an organism's traits, not external exposure) or predicted findings in research (e.g., identifiable "interfaces" enabling independent organisms to work together). (e) These are the major inferences constraining explanations within a TOBD.