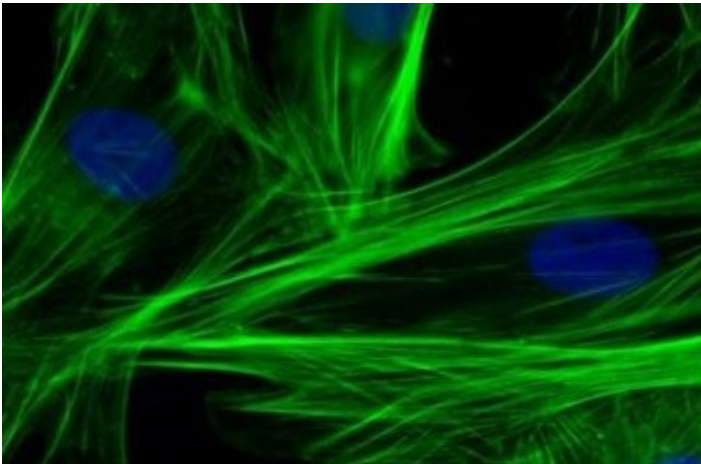


# Cells and Computer Engineering



**A new study has discovered a cell-wide web of nanotubes, which indicates that cells work just like computers in how they route signals and instructions to their component parts.<sup>1</sup>**



**Keywords:** [Information](#), [encoding](#), [circuits](#), [nanotubes](#), [dynamic rewiring](#)

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<sup>1</sup> “Study Finds Cell-Wide Web of Tubules, Suggests Cells Work Like Computers”, 27 May 2019, <https://interestingengineering.com>.

## Introduction

Detailed observation of this creation at the cosmic, microscopic, biochemical and nano scales establishes the prior performance of actions arising from the attributes of **knowledge, will, power** and **wisdom** which can be summarised as **choice with intent**. Denial of the clear existence of purpose and wisdom<sup>2</sup> within the millions of cause-effect mechanisms that underpin creation is a denial of sensory perception itself and is nothing but **pure arrogation** in the face of the obvious.

For this reason, atheists, naturalists and materialists dismiss what has been stated above—after first assuming materialism to be true, philosophically, religiously, without any shred of evidence—as mere illusion. Meaning, that the apparent design, purpose and wisdom is nothing but a grand illusion, a trick that “nature” plays on our senses. As a result, they are forced—in all of their theories and technical language—to covertly ascribe those attributes—knowledge, will,

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<sup>2</sup> There are end-goals, objectives, goal-steering mechanisms, feedback loops, on-off switches and so on within biological life, indicating that it has been programmed to behave that way, and hence, purpose and wisdom are established, and this can only come from **choice with intent**, as is clear. This is what the materialist will try his best to portray as an illusion, which is a sign of his own madness. To distrust your physical senses and what they clearly tell you through basic observation, is a sign of lunacy, madness.

Hence, the discussion with materialists is more about spiritual and mental health issues than it is about scientific issues. Spiritual issues relate to things like humility and its opposites such as arrogance, pride. Mental health issues relate to the ability to reason at the most basic, broad level. As an illustration, an entity that has been subjected to actions for it to come into existence and take on its form and properties, a ball-point pen for example, cannot itself be given the attributes from which such actions arose which led to its existence, and they are knowledge, will, power and wisdom. This is what the materialist is doing all the way through.

power, wisdom, or choice with intent—to nature itself, to matter and its properties instead of an agent, which is the innate default and is based on sound reason and scientific principles.

These are the only two options. Either you ascribe these attributes to an agent, or you put these attributes back into the very thing that was acted upon by these attributes for it to exist and have its particular form, function and properties. They choose the latter and conceal it under the cover of the scientific method, when in fact their claims cannot be backed by the actual scientific method.

Scientific claims are those which are **testable**, **repeatable** and **falsifiable**, and must be derived through sound logical and unbiased reasoning from the data. Instead, what materialists provide are **inventive theories** based on unproven assumptions which are then validated by mathematics alone (as happens in cosmology) or clever storytelling (as happens with evolution). In the formulation of these ideas they will violate the scientific method, or this method will be absent altogether, or they use logical fallacies in the interpretation of the data, or they will not test the original, central hypothesis, but secondary hypotheses they have added, to hide the fact that the core, central hypothesis cannot be proven because it cannot be subject to the scientific method in the first place, and to remove from it, the burden of proof.

This is the case with the empirically proven fallacious, fairy-tale, make-believe claim of “natural selection acting on random mutations” being **the source** of all biological variation. It is established that “natural selection” cannot be a source of novelty because it can only **select from among** what already exists (existing function in biological organisms), and **thus has no creative power in itself**.

Random mutations cannot introduce new information into the system to allow for novelty **on the scale claimed**, and this is also empirically established. Every single example that materialists try to bring to show otherwise is false and invalid for reasons outside the scope of this article, and the only reason this claim was accepted at the beginning was because of trickery that was used in the mid-20th century, when the idea was mathematised and merged with statistics. However, by the end of 20th century, and with more knowledge of the human genome, it became clear that gene-centric (random mutations) theory can no longer be sustained. Hence, evolutionists (materialists, naturalists, atheists) are now divided because the greatest idea that justified their atheism in the 20th century has been shown to be false. This idea allowed them to credit nature with creative power, which is essentially to ascribe those aforementioned attributes to nature and matter.

So the point here is that when a person sees the structure and form of the deception—[**stripping the Creator of attributes to dismiss Him as an illusion and covertly, cryptically, through complex technical language, ascribing these attributes to nature, to matter and its properties through inventive theories**]  
—then he or she will not get caught in unnecessary wrangling and arguing in minute, technical details. It just needs to be pointed out to the **primitive materialist nature-worshipper** exactly what he or she is doing. Many of them do this without realising since they have been brainwashed to such a degree that they are unable to see otherwise.

These people are no different to those who were made to observe the creative power of Allāh (ﷻ) with their own senses, directly, in

person, such as Fir'aun, or Thāmūd and other nations, and who showed rejection after the signs, evidences were in front of their faces. This is because **modern-day nature-worshippers** witness the creative power of Allāh in His creation through what they continue to discover, that biological life is nothing but **information science** and that it has been programmed with foreknowledge by a masterful creator whose creative power is unfathomable, and whose skilful creation and whose speech (the Qur'ān) cannot be imitated.

We leave you with the article below, and it is one of thousands of examples that can be given that there is indeed a Creator.

Abu 'Iyaad

<http://aboutatheism.net>

23 Ramaḍān 1440 / 28 May 2019 - v.1.02

## Study Finds Cell-Wide Web of Tubules, Suggests Cells Work Like Computers

A new study has discovered a cell-wide web of nanotubes, which indicates that cells work just like computers in how they route signals and instructions to their component parts.

### Cells Behave Like Biological Computers

Inside every cell, organelles that carry out the **various life processes** sit in an enclosed sea of material called cytoplasm. It was thought that waves in this cytoplasm were the mechanism used to send and receive signals throughout the cell, with the frequency of the wave representing the signal itself. Now, scientists at the University of Edinburgh (UE) have found evidence

that animal and plant cells **move information and instructions** throughout its internal structure similar to **the way a computer operates** when it **routes these kinds of signals** through various **circuits**.

“We found that cell function is **coordinated by a network of nanotubes**, similar to the **carbon nanotubes** you find in a **computer microprocessor**,” said Professor Mark Evans of the UE Center for Discovery Brain Sciences and co-author of the paper describing the researchers’ finding, published last week in the journal Nature Communications.

The research indicates that **information** within the cell is **encoded** in the form of charged molecules which are passed down the various paths of a cell-wide web of nanotubes, similar to the way an **electric current** is routed through **circuits** on the **motherboard** of a computer to its various component parts. These **signals** completely **regulate the activities** within the cell and are even responsible for cell wide behavior, like when a muscle cell relaxes or contracts.

This **network** within the cell is can also be **completely rewired** as needed. For instance, when this network **relays instructions** to the nucleus of the cell, which houses its genetic material, **these instructions** can make tiny alterations in the genetic structure that releases certain genes, enabling them to be expressed. When a cell switches from a normal, steady state to a growth state, **this network will completely rewire itself** in order to express the genes in the nucleus’ genetic code that enables the cell’s growth...

“The most striking thing is that this circuit is highly flexible, as this cell-wide web can **rapidly reconfigure to deliver different outputs in a manner determined by the information received by and relayed from the nucleus,**” Evans said. **“This is something no man-made microprocessors or circuit boards are yet capable of achieving.”**

وَكَايْنٍ مِّنْ آيَاتِهِ فِي السَّمَوَاتِ وَالْأَرْضِ يَمُرُّونَ عَلَيْهَا وَهُمْ عَنْهَا مُعْرِضُونَ

“And how many a sign within the heavens and earth do they pass over while they, therefrom, are turning away” (12:105).