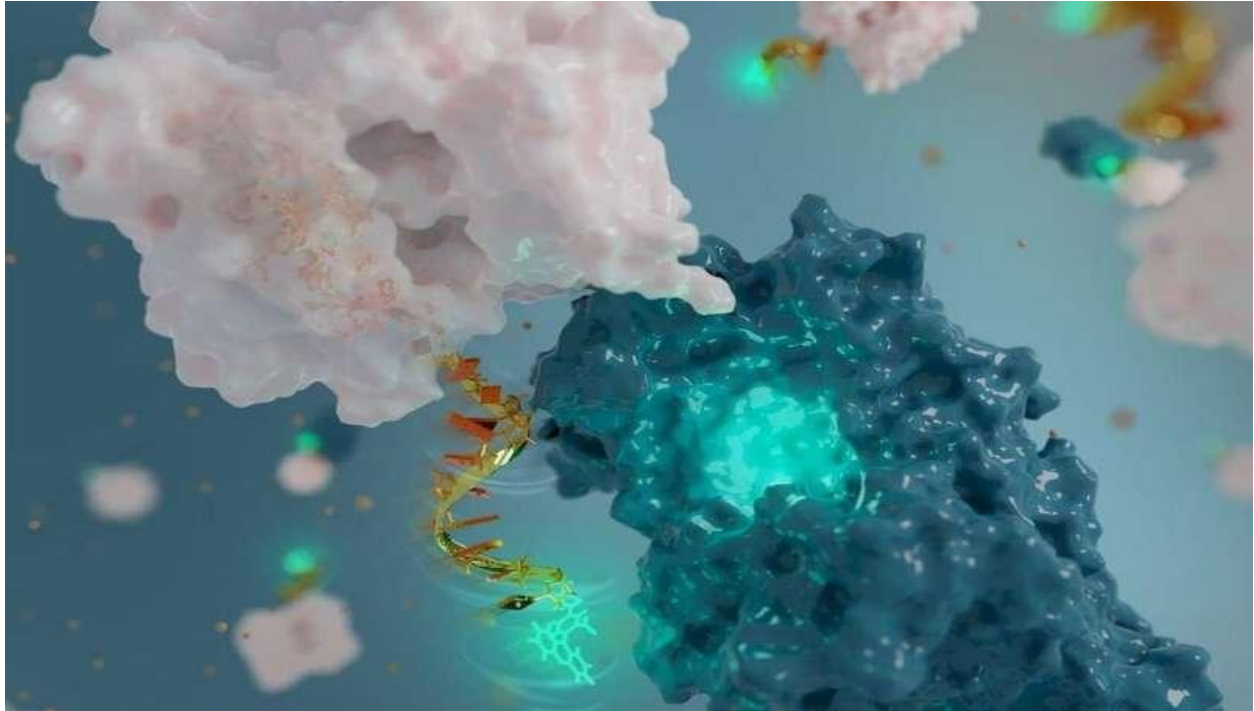
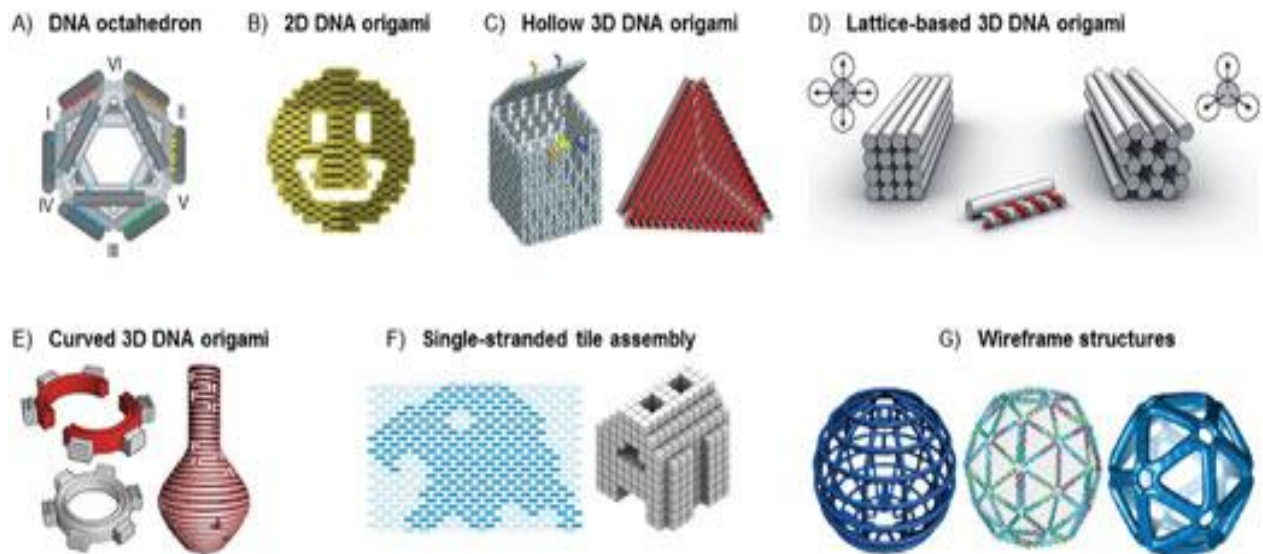


The Nano Tech Trans Human Morphology Process, Encapsulating, Documents.



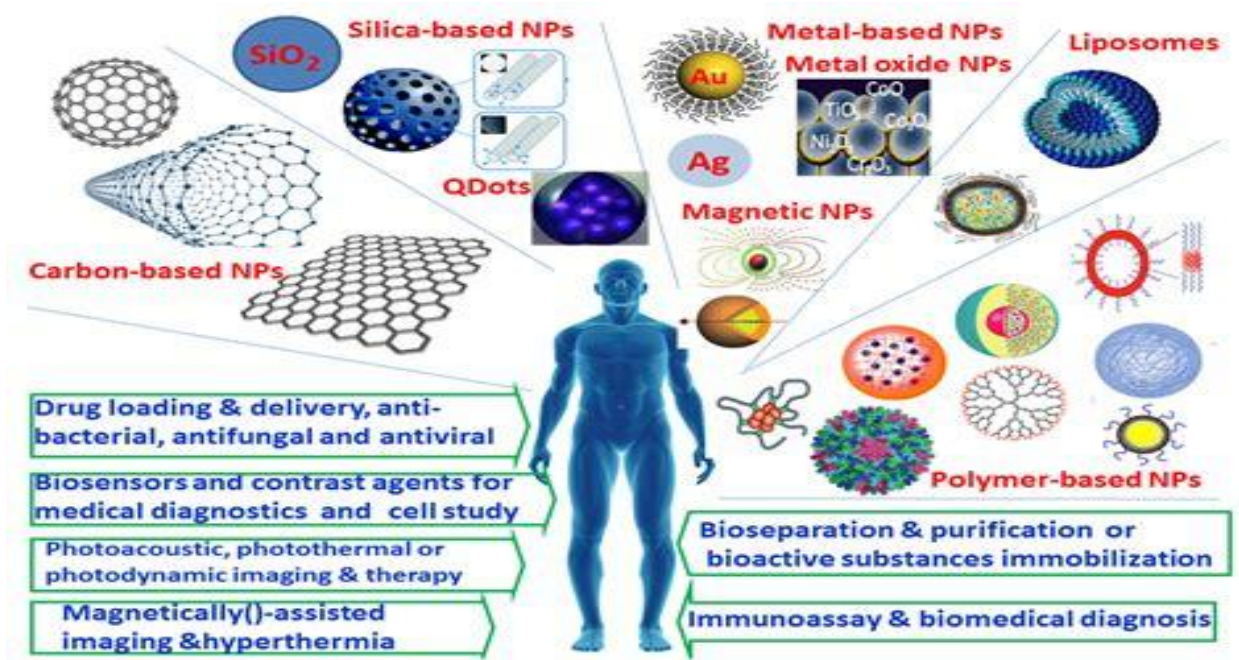
[Chemists use DNA to build the world's tiniest antenna](#)



[The ongoing development of DNA nanotechnology](#)



The Polymer Node Released By The Ion Formulas.



Composites of Polymer Hydrogels and Nanoparticulate Systems for Biomedical and Pharmaceutical Applications

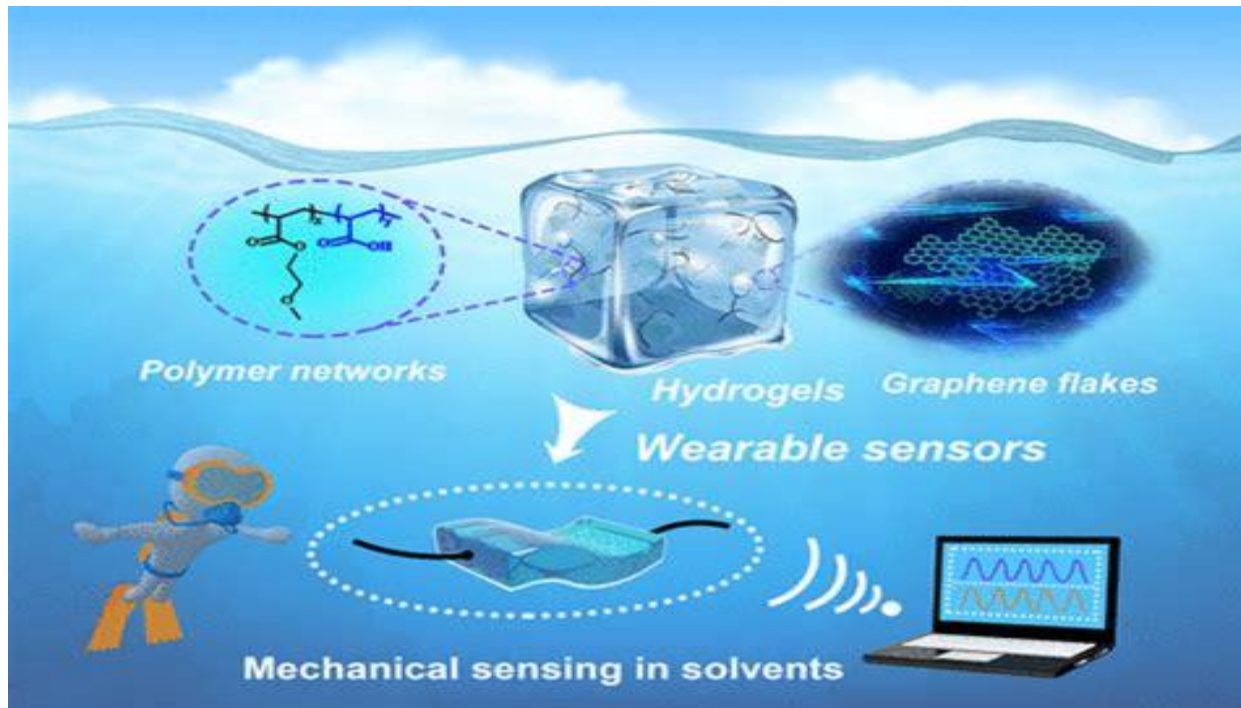
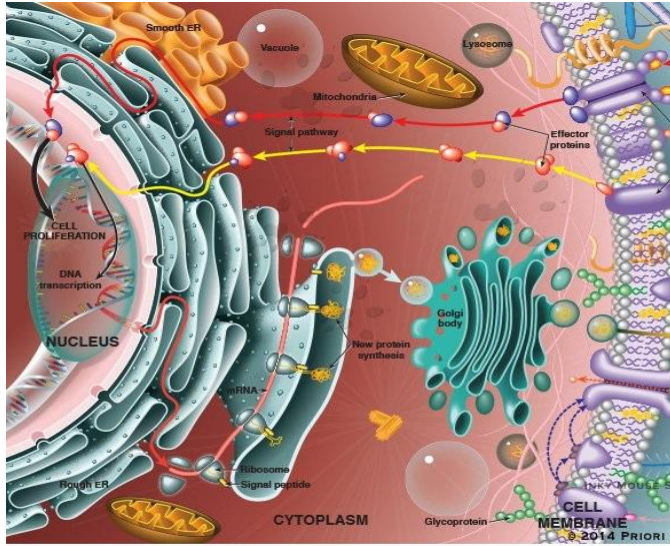


Illustration of 3-dimensional macroporous hydrogels. (Image: Carnegie Mellon University)

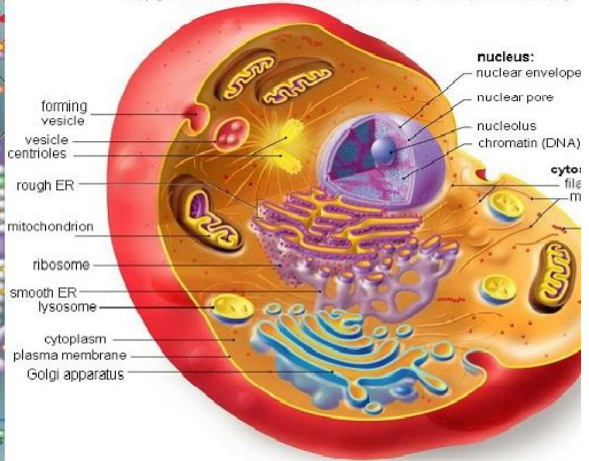
Eduardo Mendizábal Mijares, professor at the Department of Chemistry, in the University of Guadalajara, says, "We used nano-hydrogels loaded with drugs and injected them into the patient. While passing through the bloodstream, the drug is not detected nor attacked by the immune system due to the physical and chemical properties which make them compatible with the body".

Nanotechnology is the manipulation of matter on a near-atomic scale to produce new structures, materials and devices. The technology promises scientific advancement in many sectors such as medicine, consumer products, energy, materials and manufacturing. Nanotechnology is generally defined as engineered structures, devices, and systems.

THE NANO IS THE MOLECULE MANIFEST AT THE POINT OF THE PROGRAM CODES AND MOLECULAR "FREQUENCY Signature" IS EMBEDDED AND IS STILL MANIPULABLE AT THIS STAGE...WITH INSERTION OF OTHER PROGRAM CODES GIVING THE NANO MOLECULE THE ABILITY TO MORPH IN THE DIRECTION OF THE EMBEDDED FREQUENCY CODE, PROGRAM, OR INSTRUCTIONS.



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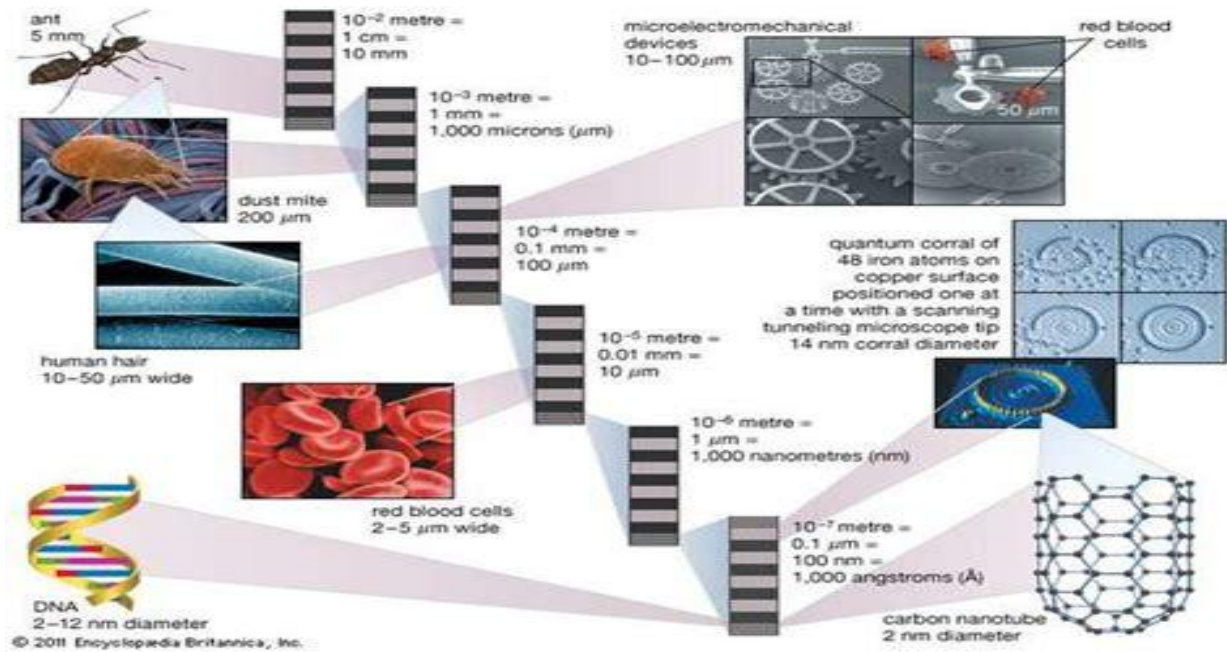
Hacking the Human Body with Foreign Synthetic Nanotech Objects

[Profusa wants to know your entire body chemistry](#) – your oxygen levels, your glucose levels, your hormone levels, your heart rate, your respiratory rate, your body temperature, with the (unstated) capability of expanding into areas of knowing your menstrual cycle (if you are a woman), your sex life, your emotions and more – and then wants to transmit all that information to some kind of medical authority, although of course it is patently obvious this data would end up in the hands of the NWO conspirators who would use it to manipulate the masses.

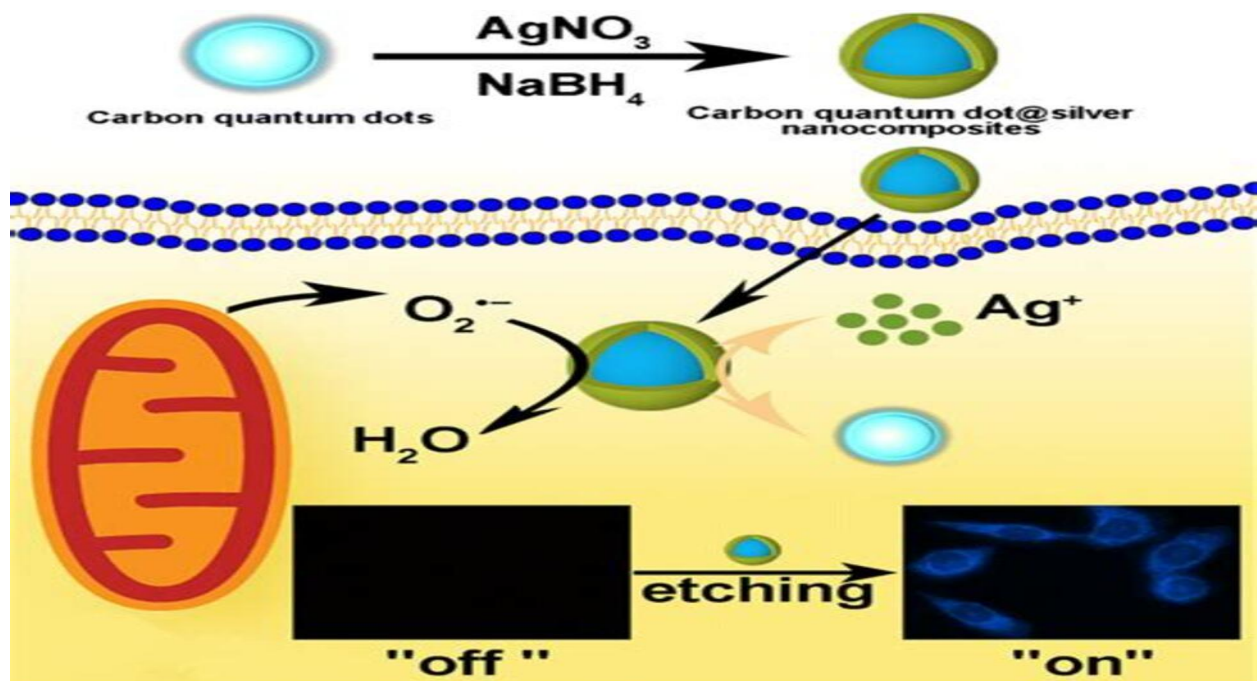
[EXPOSING MEDICAL TYRANNY ... SECRET MILITARY NANOTECHNOLOGY DEVELOPMENT:](#)



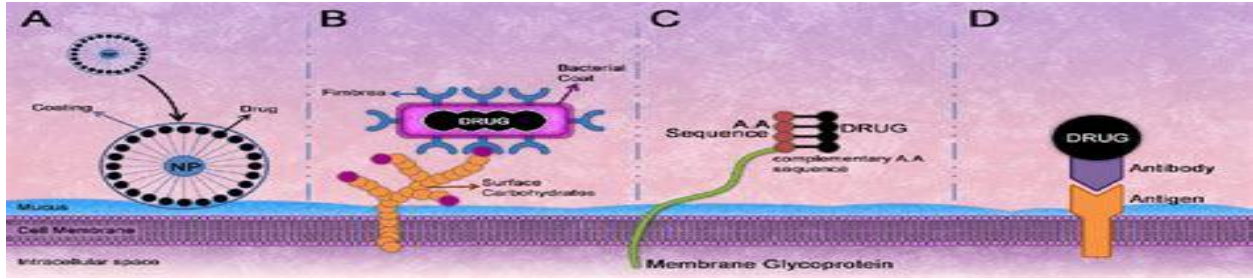
[These striking photos show the secret, strange world of military research and development](#)



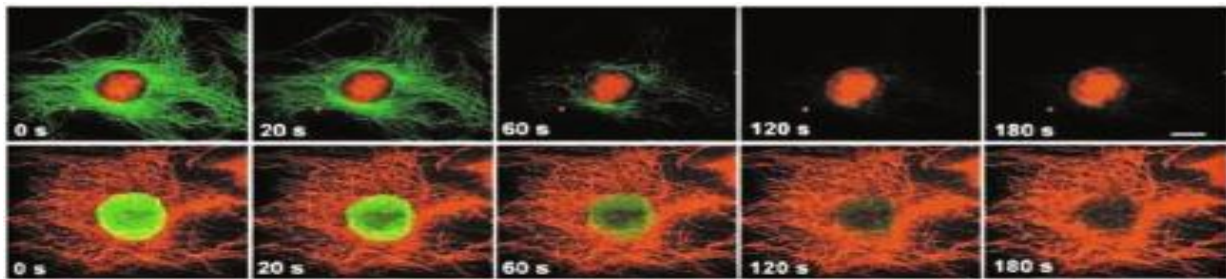
Hydrogel nanoparticles and nanocomposites for nasal drug/vaccine delivery



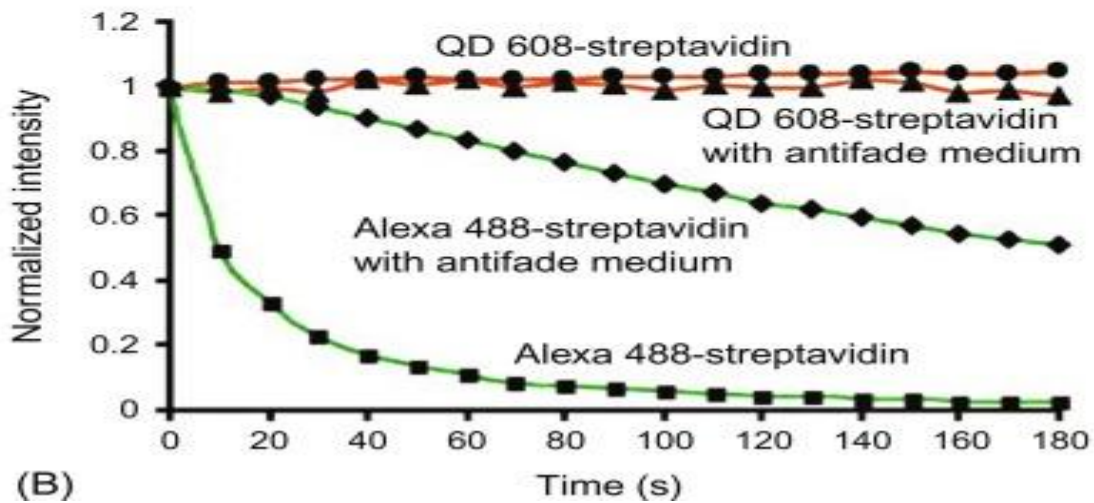
Silica-coated Nanorod, Ag-coated Gold Nanorods



Silica-coated Nanorod, Ag-coated Gold Nanorods



(A)



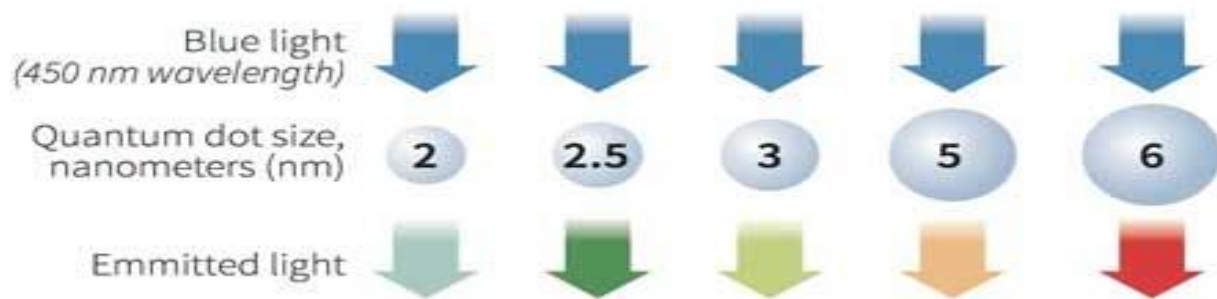
(B)

QDs as fluorescent labels

Functionalized Carbon Nano Lab-on-a-Chip Devices for Environment



In the field of science and technology, **carbon**-based materials and its allotropic forms such as amorphous **carbon**, graphite, and diamonds to newly introduced auspicious **carbon** nanotubes (CNTs), grapheme oxides, graphene **quantum dots**, and fullerene have become important, which is probably due to their distinctive physiochemical properties enabling it to extend versatile lab-on-a-chip (LoC) or ...

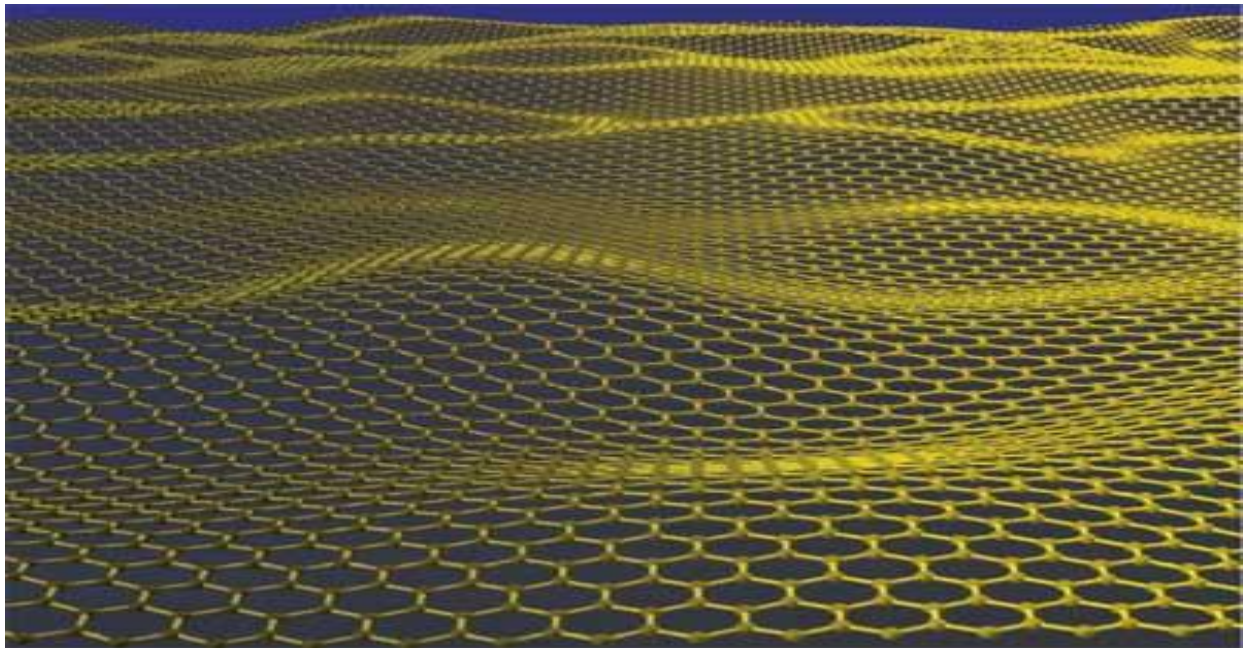


Quantum dots are nanoscale man-made crystals that have the ability to convert a spectrum of light into different colors. Each dot emits a different color depending on its size. (Image: RNGS Reuters/Nanosys)

[The use of graphene-based field-effect transistors](#) in the past decade has been shown as one of the most powerful biosensing units for the detection of numerous biological and biochemical analytes. Distinctly specific electrical properties of graphene in the domain of field-effect transistors, along with high surface-to-volume ratio contribute to incredibly high sensitivity of this type of biosensor, which allows the development of reliable and fast point-of-care (POC) devices for the detection of different types of analytes in real time.

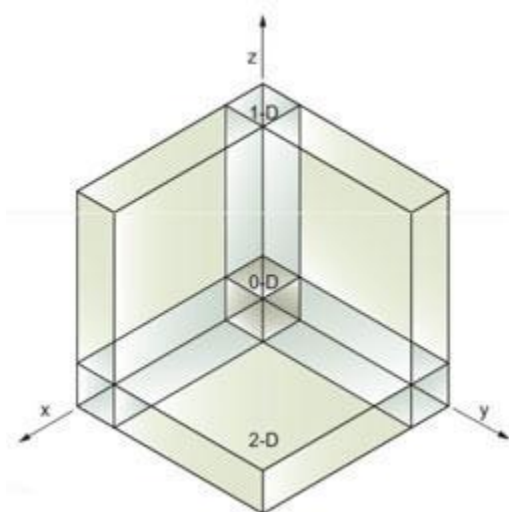
Memristor

Its special property is that its resistance can be programmed (resistor function) and subsequently remains stored (memory function). Unlike other memories that exist today in modern electronics, memristors are stable and remember their state even if the device loses power.



Graphene – All You Need to Know

Graphene has emerged as one of the most promising [nanomaterials](#) because of its unique combination of exceptional properties: it is not only the thinnest but also one of the strongest materials; it conducts heat better than all other materials; it is an excellent conductor of electricity; it is optically transparent, yet so dense that it is impermeable to gases – not even helium, the smallest gas atom, can pass through it.



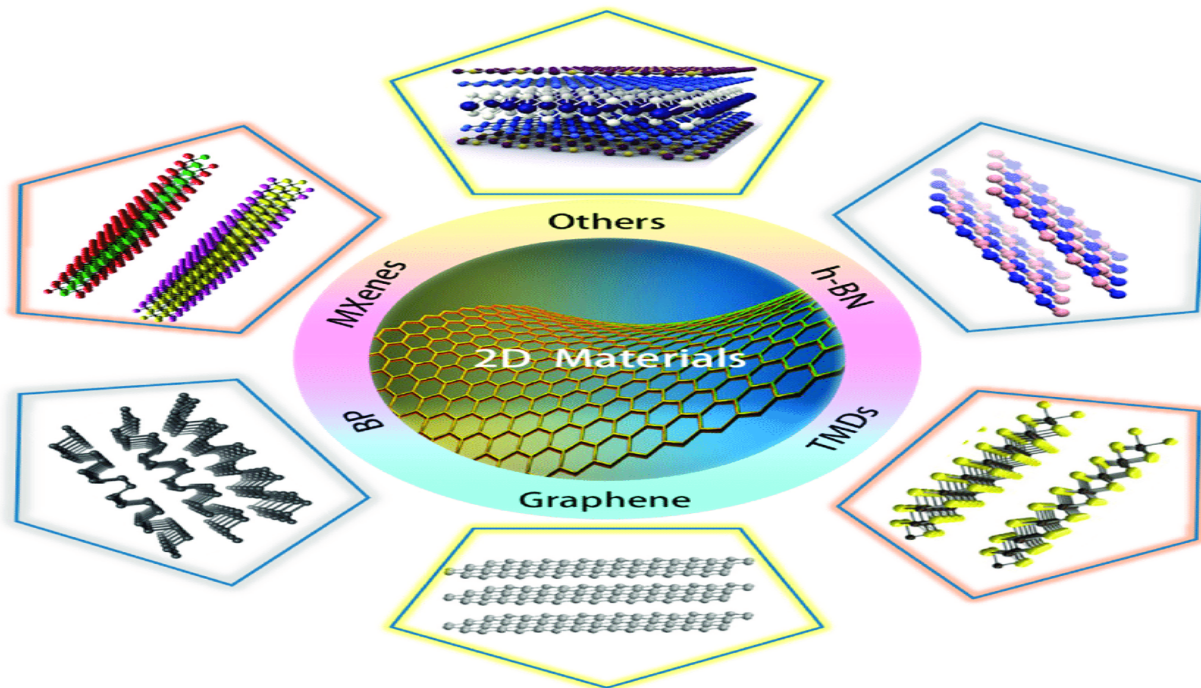
- 0-D: All dimensions at the nanoscale
- 1-D: Two dimensions at the nanoscale, one dimension at the macroscale
- 2-D: One dimension at the nanoscale, two dimensions at the macroscale
- 3-D: No dimensions at the nanoscale, all dimensions at the macroscale

Two-dimensional (2D) materials



Ancient Nano Tech ... Nanoplasmonics

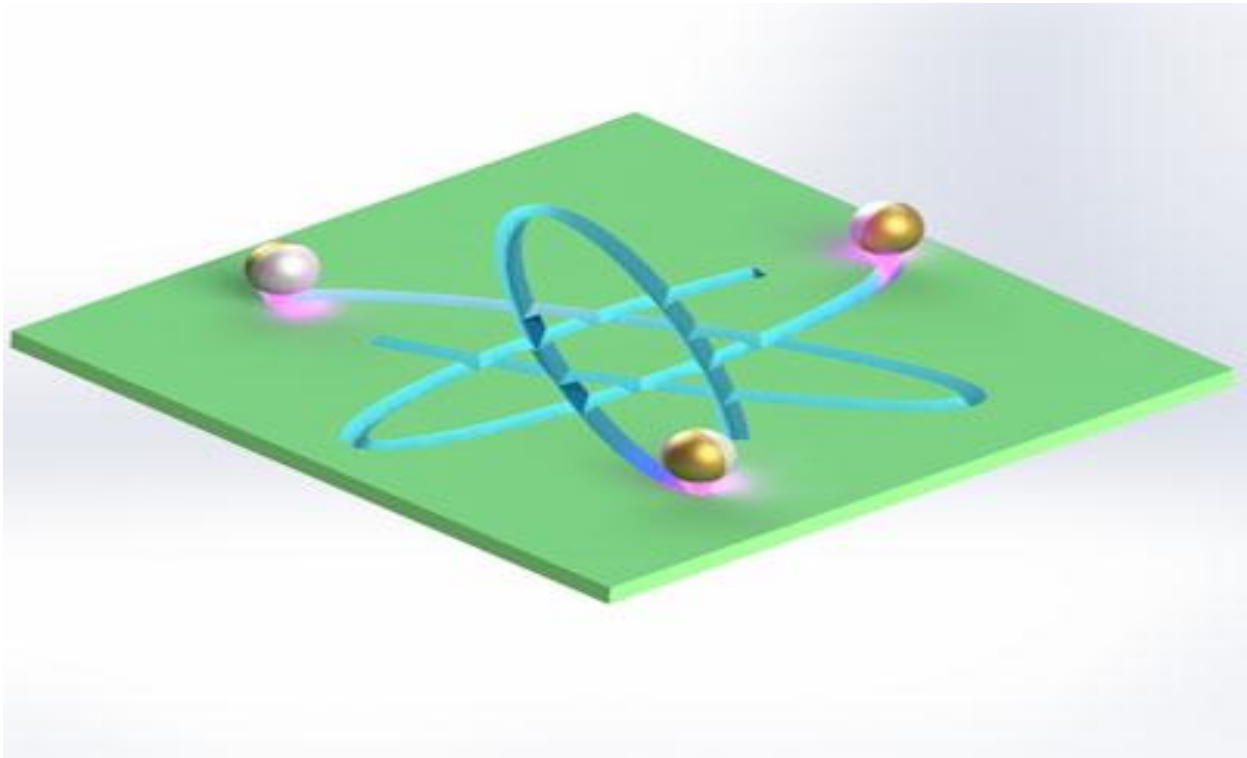
Metamaterials are a novel class of functional materials that are designed around unique micro- and nanoscale patterns or structures, which cause them to interact with light and other forms of energy in ways not found in nature.



Van der Waals heterostructures

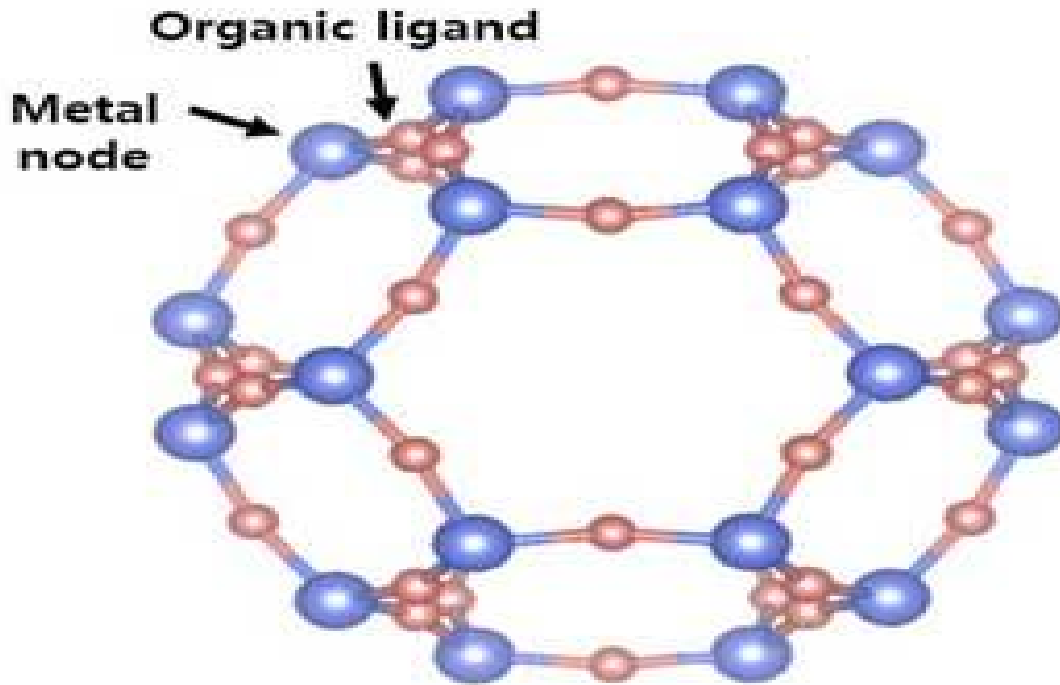
Ever since the first demonstration of graphene in 2004, the scientific community has discovered more than 2500 other layered, atomically thin (two-dimensional, 2D), materials.

Nano Bots

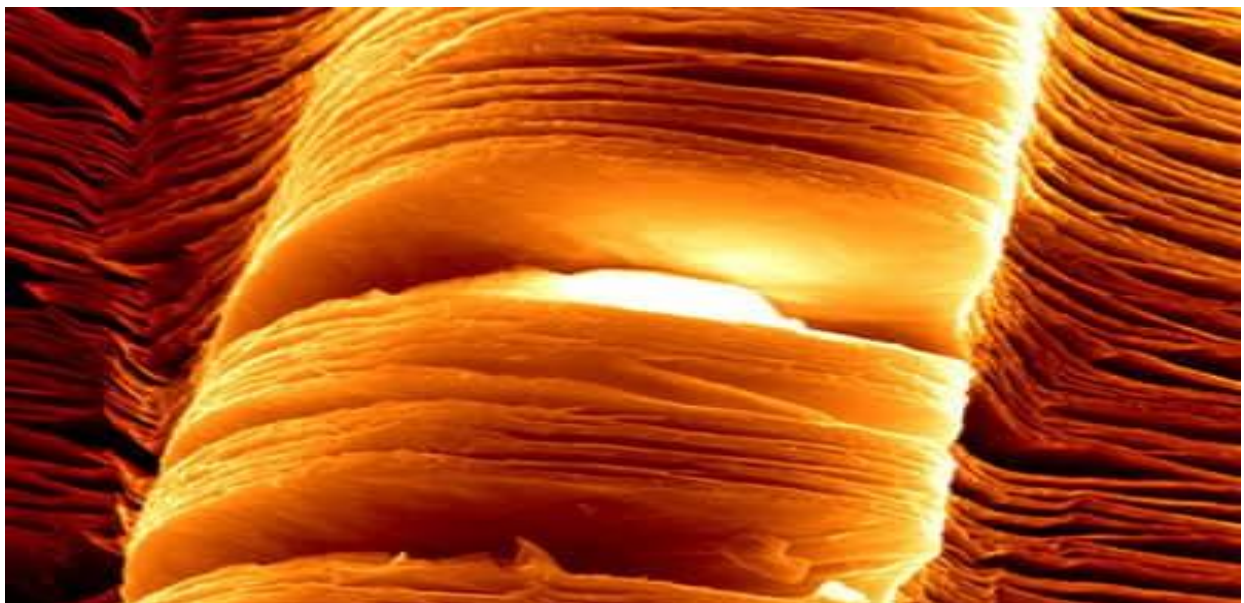


These nanobots are a reality and are being actively researched and developed. An ever-increasing number of research groups are exploiting programmable self-assembly properties of nucleic acids in creating rationally designed nanoshapes and nanomachines for many different uses. That's why one of the most actively researched areas of nanorobotics today involves DNA assembly, particularly a technique called DNA origami (see below for more details).

They are a wide class of materials whose extension in all three dimensions lies between 1 and 100 nanometers.



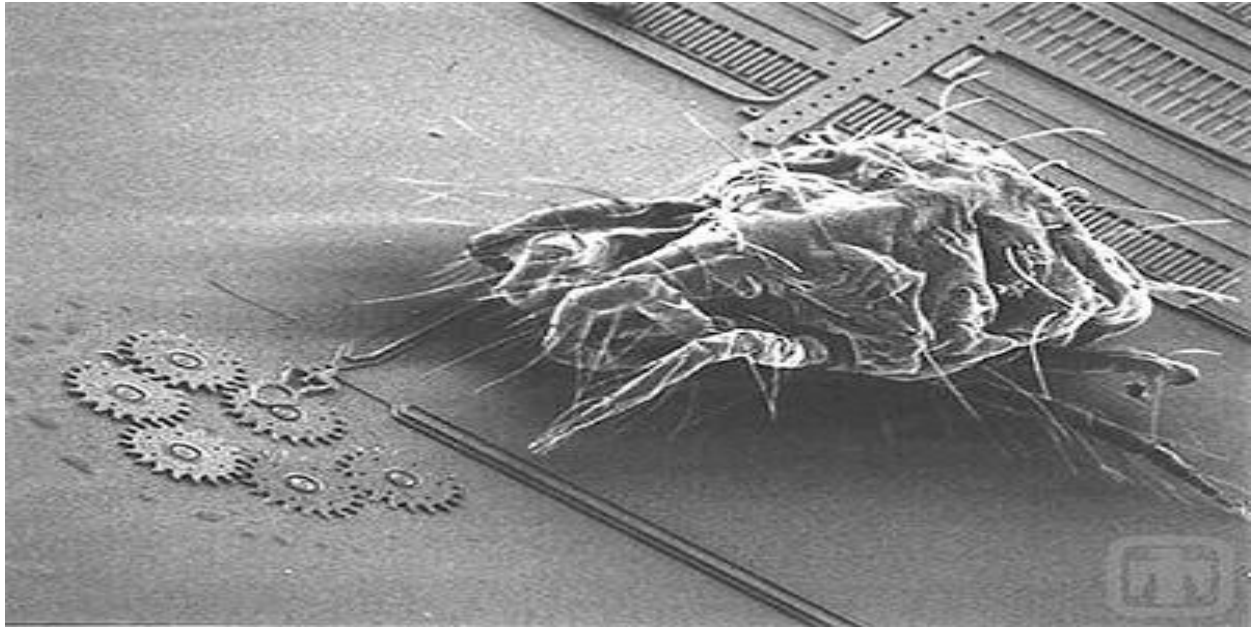
MXenes have already found applications ranging from energy storage to medicine and optoelectronics.



[Scanning electron micrograph of exfoliated MXene nanosheets.](#) (Image: Babak Anasori, Drexel University) [What is a MOF \(metal organic framework\)?](#)

Metal-organic frameworks (MOFs) are organic-inorganic hybrid crystalline porous materials that consist of a regular array of positively charged metal ions surrounded by organic 'linker' molecules. The metal ions form nodes that bind the arms of

the linkers together to form a repeating, cage-like structure. Due to this hollow structure, MOFs have an extraordinarily large internal surface area.

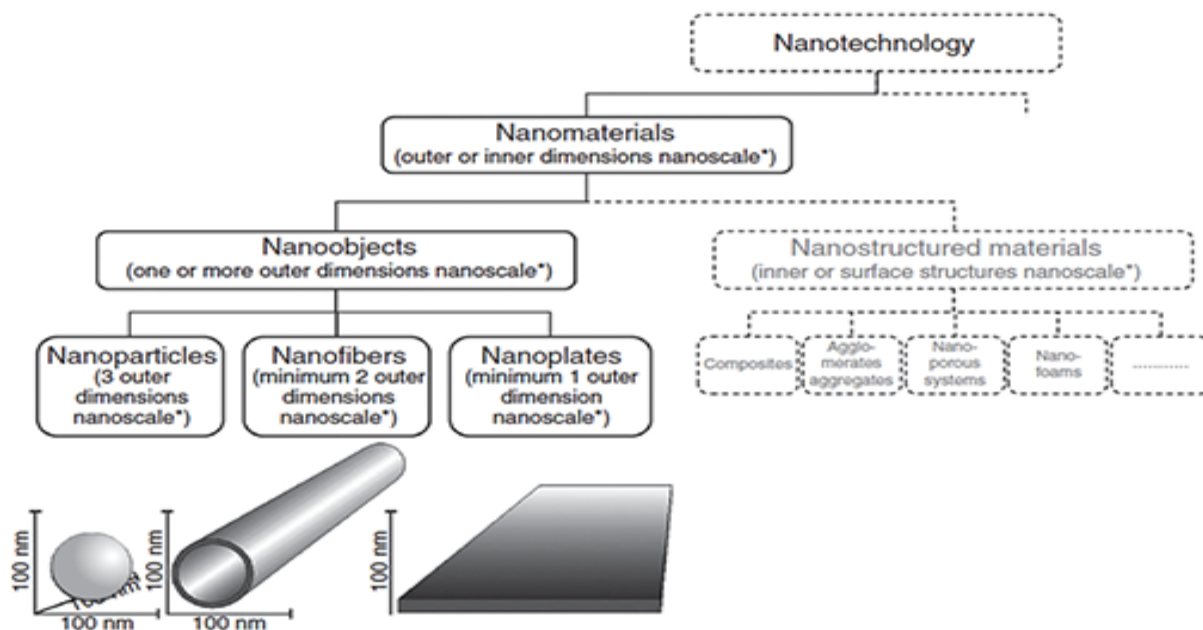


[MEMS explained](#)

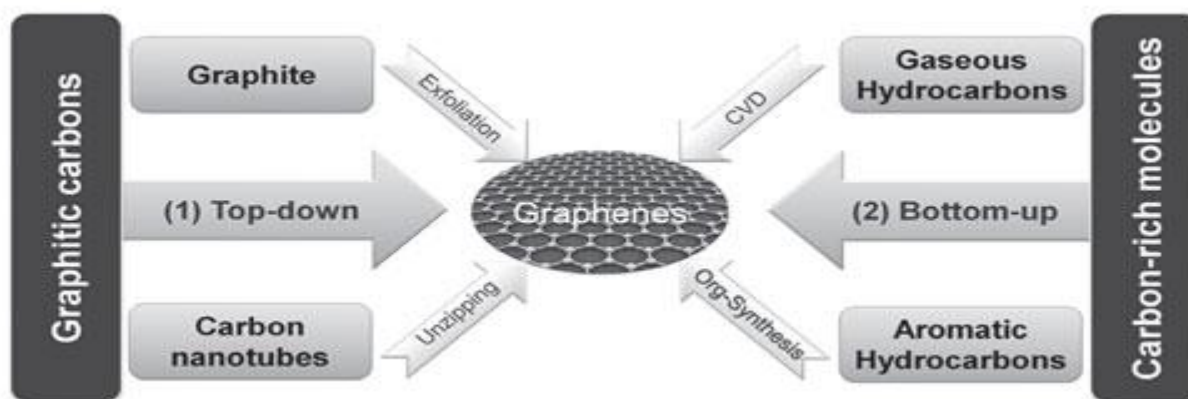
A mite, less than 1 mm in size, approaching a microscale gear chain. (Image: Sandia National Laboratories)

The one main criterion of MEMS is that there are at least some elements having some sort of mechanical functionality whether or not these elements can move. MEMS devices can vary from simple structures with no moving elements, to extremely complex electromechanical microsystems with several moving elements under the control of integrated microelectronics.

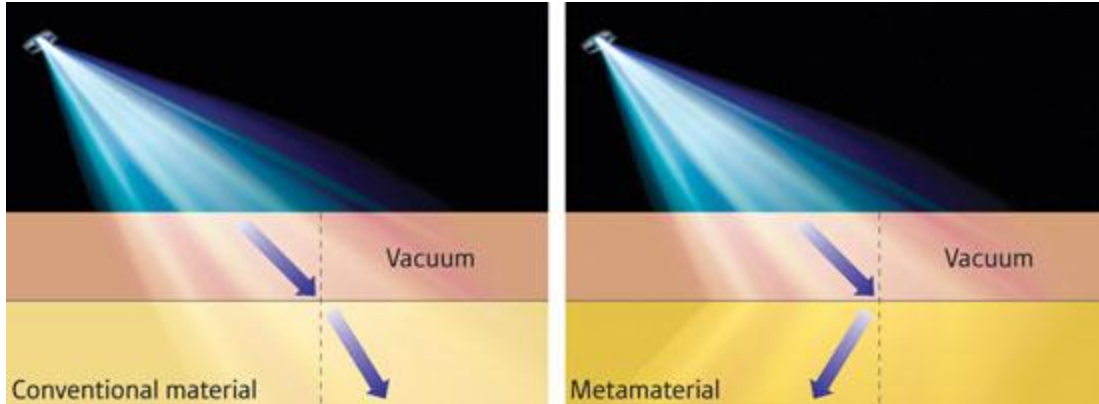
MEMS is an acronym that stands for *microelectromechanical systems*. It describes a manufacturing technology used to create microscale integrated devices or systems that combine mechanical and electrical components. These devices and systems have the ability to sense, control and actuate on the micro scale, and generate effects on the macro scale. Take for example an airbag, where the (microscale) accelerometer in the airbag's control unit can trigger the rapid inflation of the (macroscale) airbag when it senses a sudden change in velocity.



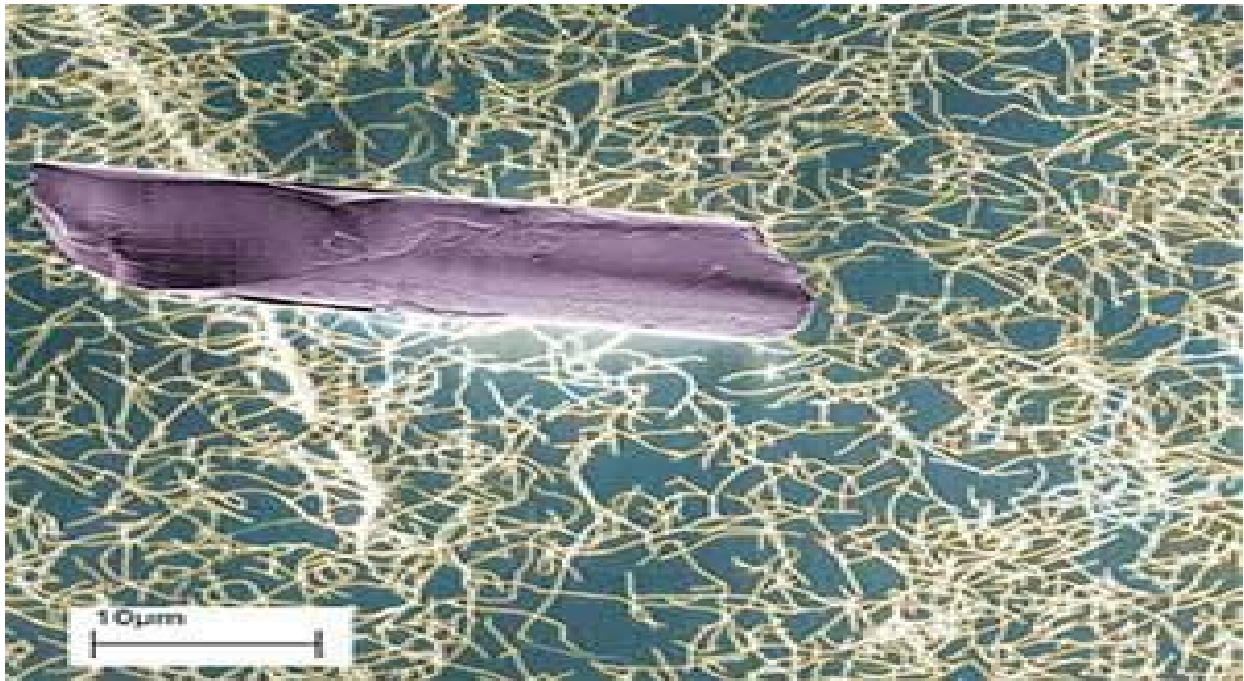
The ISO definition of nano-objects. Included as nano-objects are nanoparticles (nanoscale in all the three dimensions), nanofibers (nanoscale in two dimensions), and nanosheets or nanolayers (nanoscale only in one dimension) that include graphene and MXenes. (© John Wiley & Sons) (click to enlarge)



[Schematic models of chemical strategies towards graphene from different carbon sources.](#) (Reprinted with permission from Wiley-VCH Verlag)



Metamaterials are a novel class of functional materials that are designed around unique micro- and nanoscale patterns or structures, which cause them to interact with light and other forms of energy in ways not found in nature.



Carbon nanotubes – what they are, how they are made, what they are used for

What are carbon nanotubes?

Carbon nanotubes (CNTs) are cylindrical molecules that consist of rolled-up sheets of single-layer carbon atoms (graphene). They can be single-walled (SWCNT) with a diameter of less than 1 nanometer (nm) or multi-walled (MWCNT), consisting of several concentrically interlinked nanotubes, with diameters reaching more than 100 nm. Their length can reach several micrometers or even millimeters.



[Carbon Nano Tubes](#)

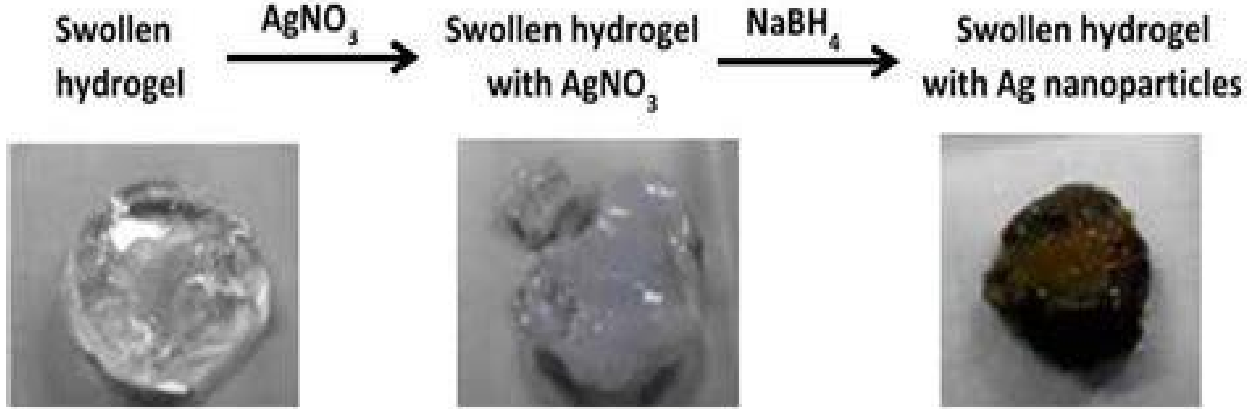


Crystalline Fiber Optic Network of Nano Tubes, Morphed.

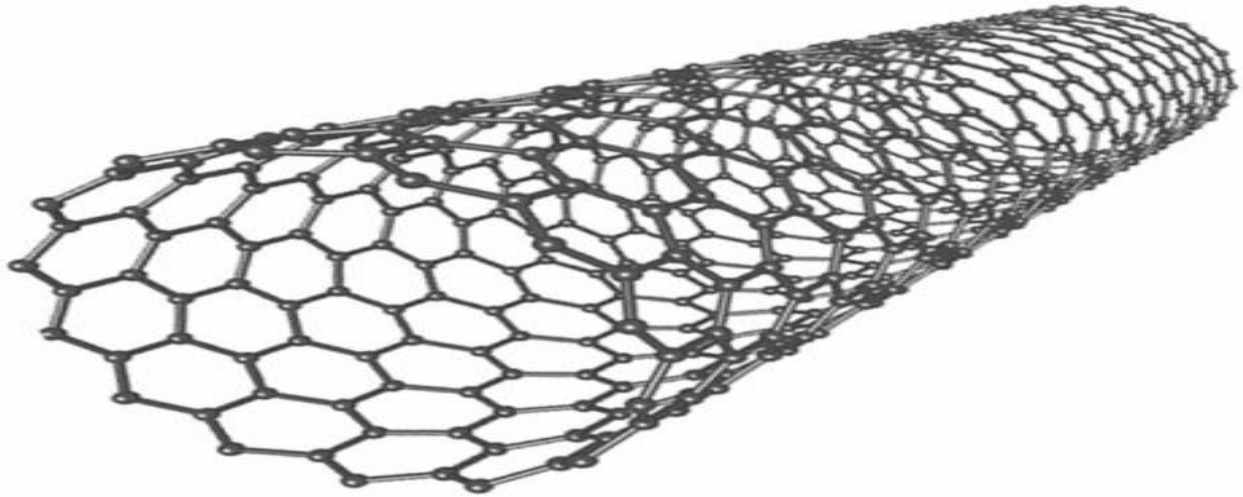


Morphed Quantum Carbon Dots...Carbon Nano Tubes...Crystalline Fibers

**Novel Mucoadhesive Polymers for Nasal Drug Delivery
Carbon Graphene Nano Tubes**



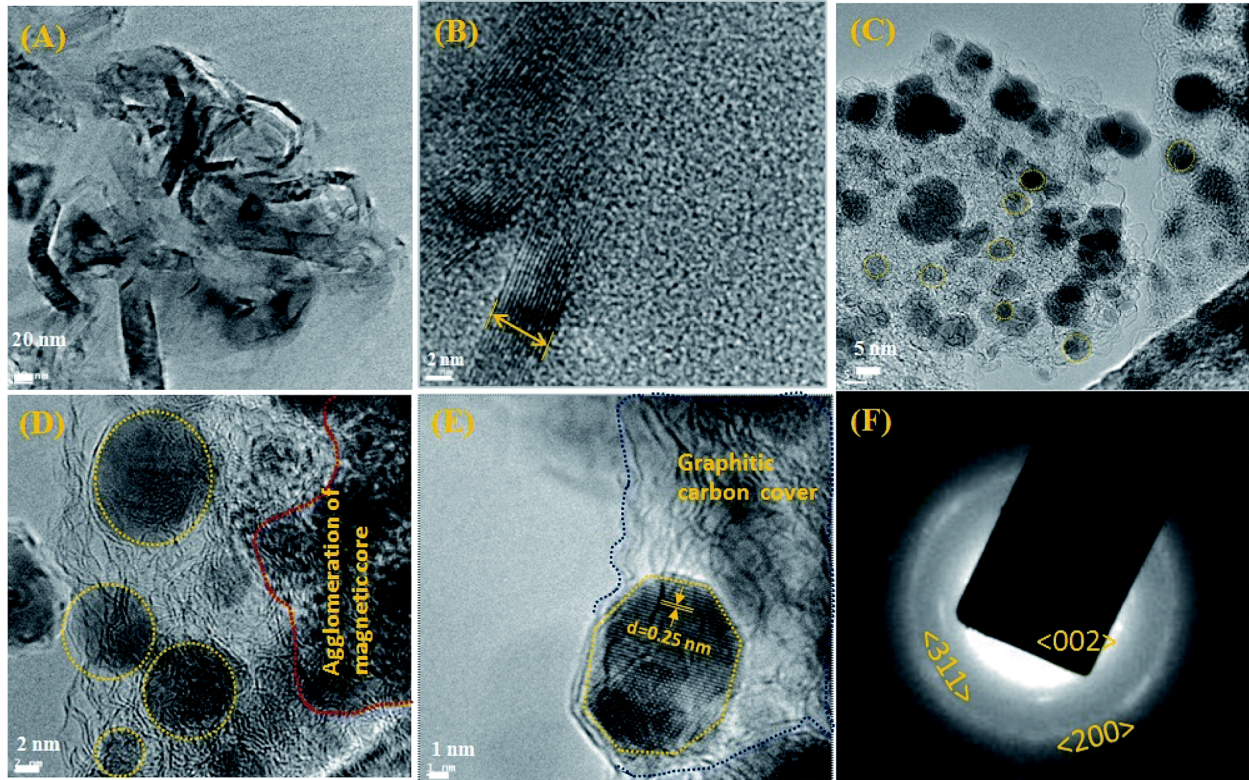
Novel Mucoadhesive Polymers for Nasal Drug Delivery



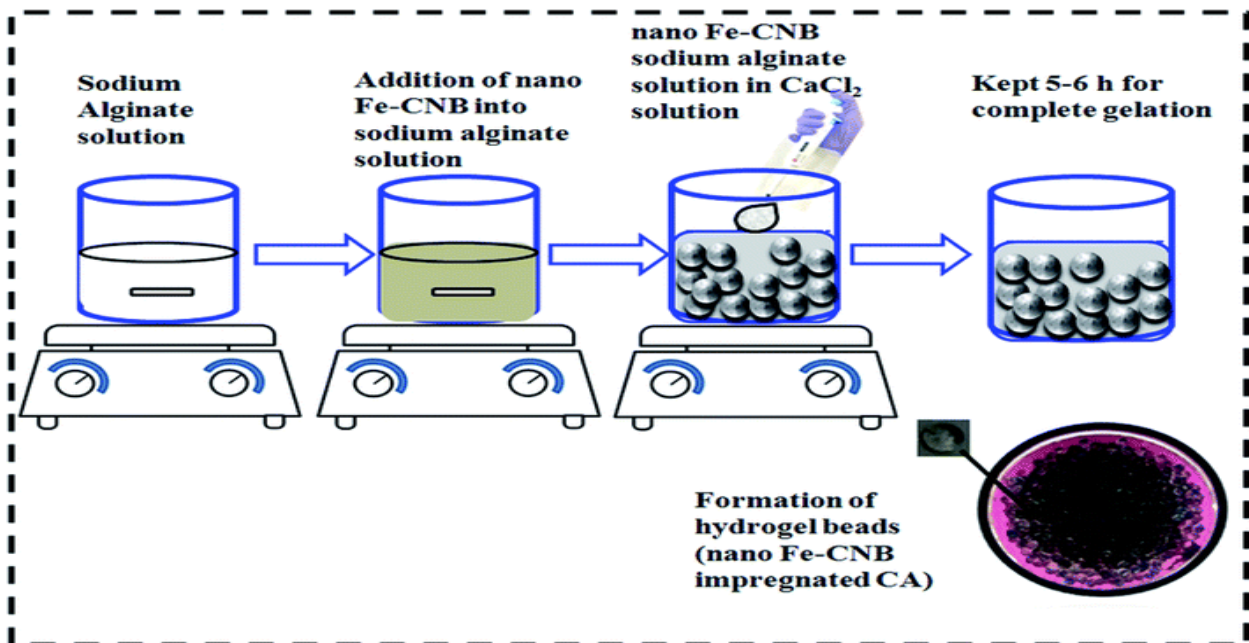
This image is of a single-walled nanotube; note the hexagonal patterns formed by the bonds between the ball-shaped carbon atoms



Carbon Hydrogel Nano Tube Sheets. From Buffer Bath Residue.(So Called ‘Black Goo’ is Nano Carbon Powder in Polymer Hydro Gel.)



These compare to the nano builds and nodes removed from the body.



Schematic illustration of the [preparation of nano Fe-CNB embedded calcium alginate \(CA\) hydrogel beads.](#)

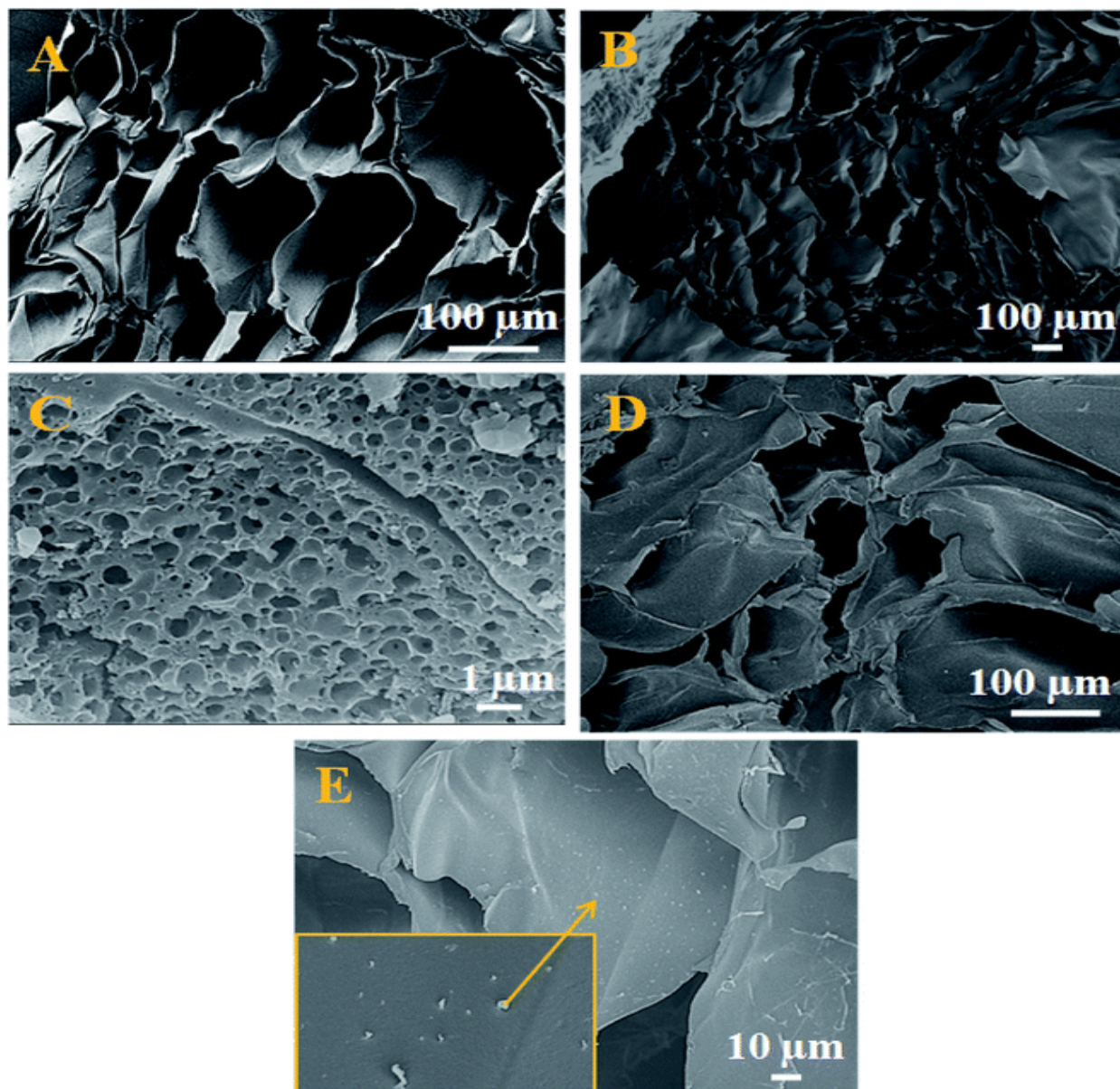
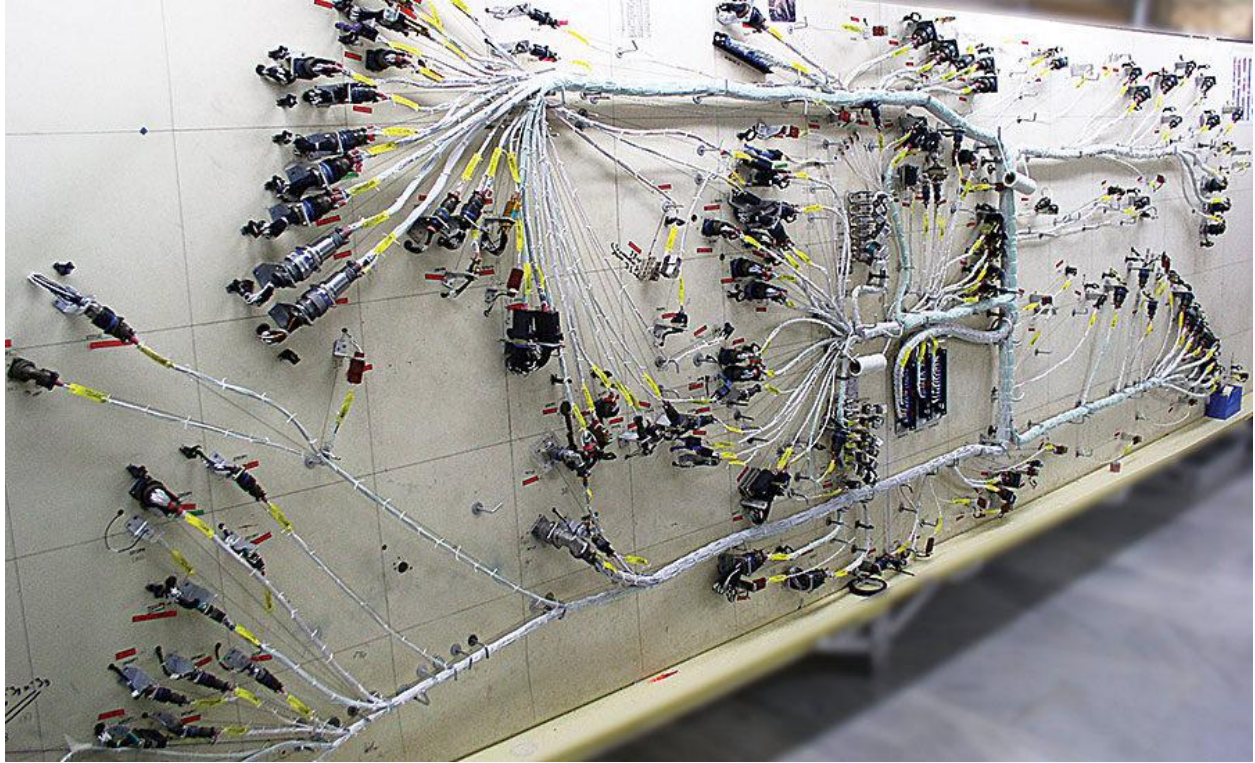
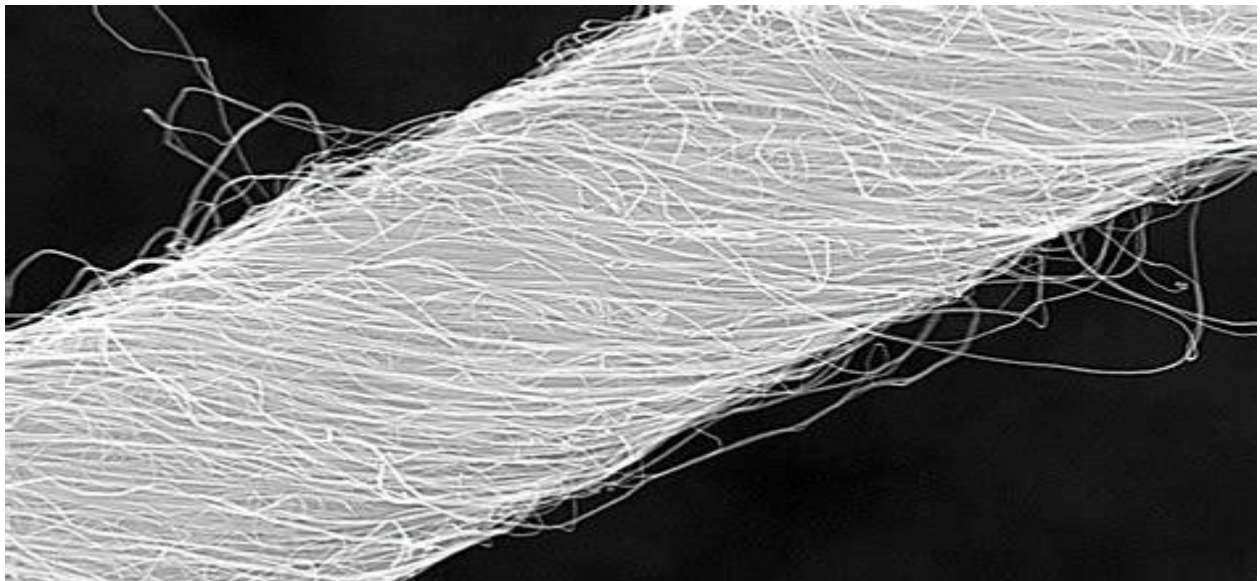


Fig. 3 FE-SEM for (A) cross-sectional view of CA beads indicate flake-like structure, (B) cross-sectional view after cutting the CA bead resembles the blooming of the flower bud. (C) Surface morphology for nano Fe-CNB porous nature, (D) cross-sectional view of nano-Fe CNB embedded CA beads exhibiting a layered material on its surface, (E) DOX-loaded on Fe-CNB CA beads cross-sectioned demonstrates the spherical particles present on the flakes.



Can Carbon Nanotubes Replace Copper?

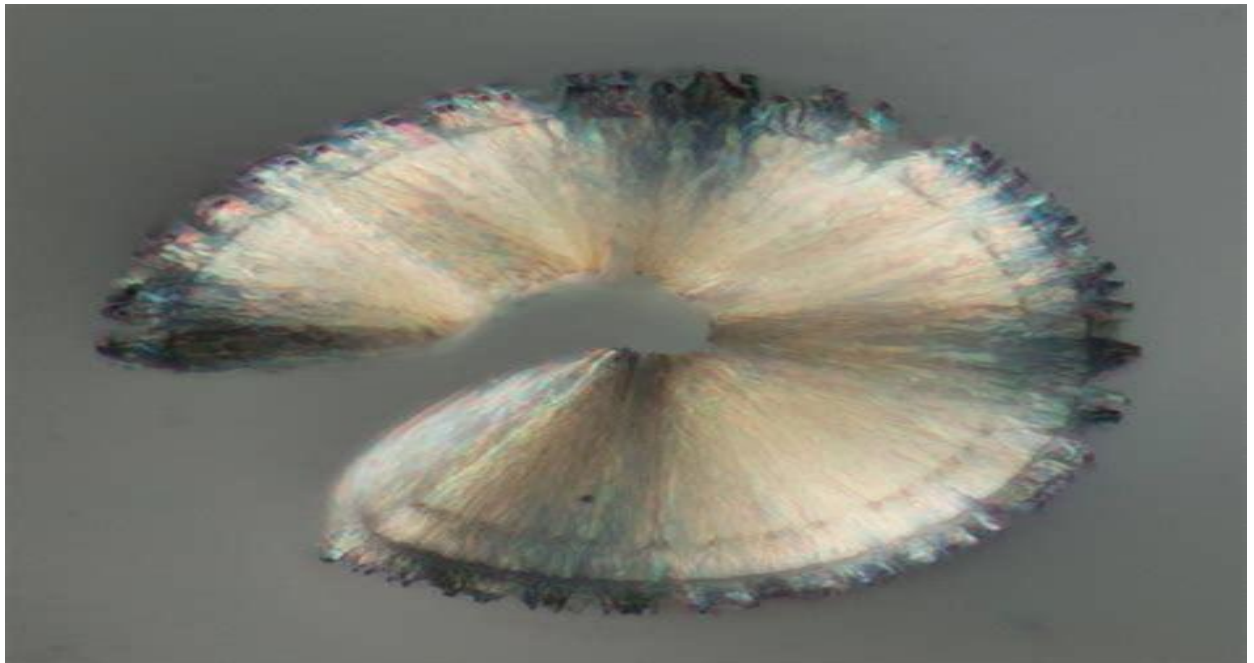
Now Think Nano Scale, as in the carbon sheet in above picture.



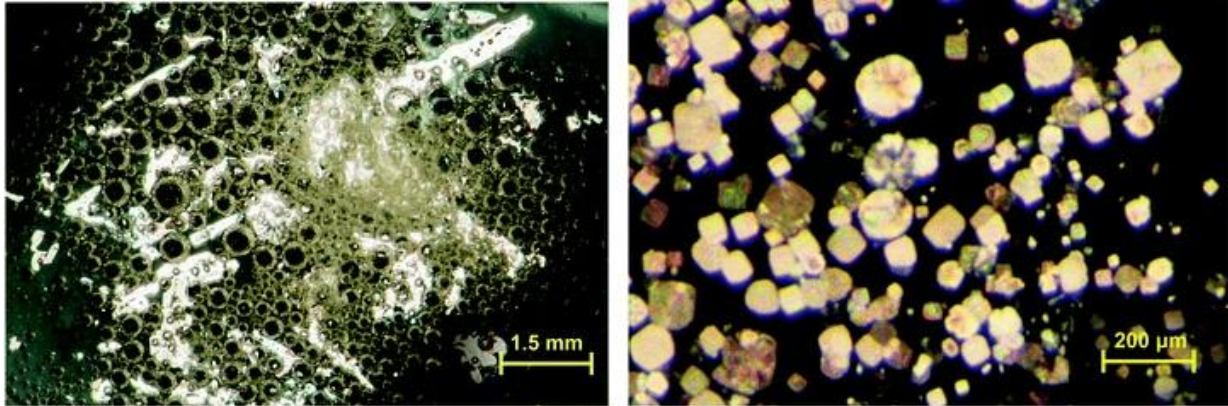
Now, a new technology, carbon nanotubes (CNTs), is emerging that could someday become a lightweight alternative to copper wire or conductive shielding in automotive, aerospace and defense applications.



Note The Bicarbonate Blow Out Hole, $\frac{1}{3}$ in and up from bottom right corner, and the carbon 'shrapnel' particles from the exploding Carbon Node Pocket.

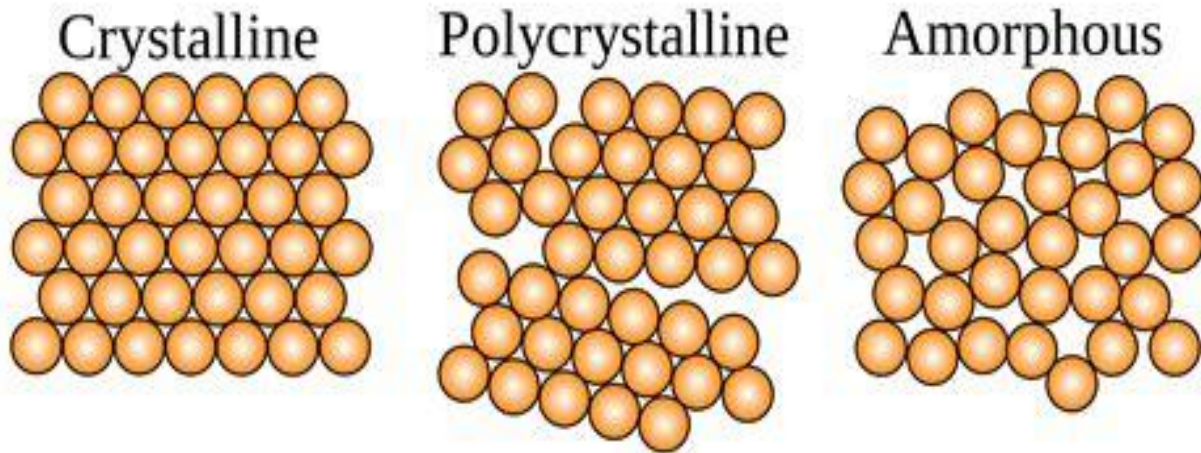


Anatomy of a 2D Polymer Formation in the Single Crystal

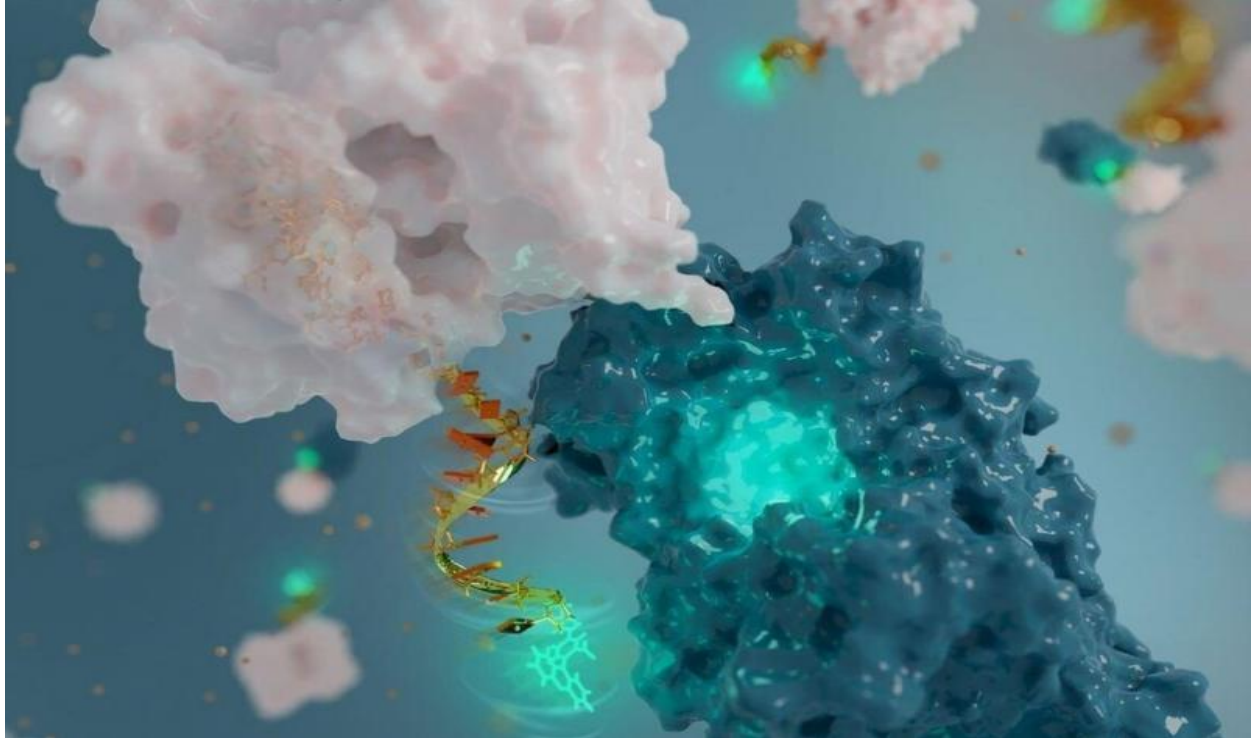


Polymer Hydro Gel Crystal Formation

[A novel ammonium pentaborate – poly\(ethylene-glycol\) templated polymer-inclusion compound†](#)



[Crystalline and Amorphous Solids](#)

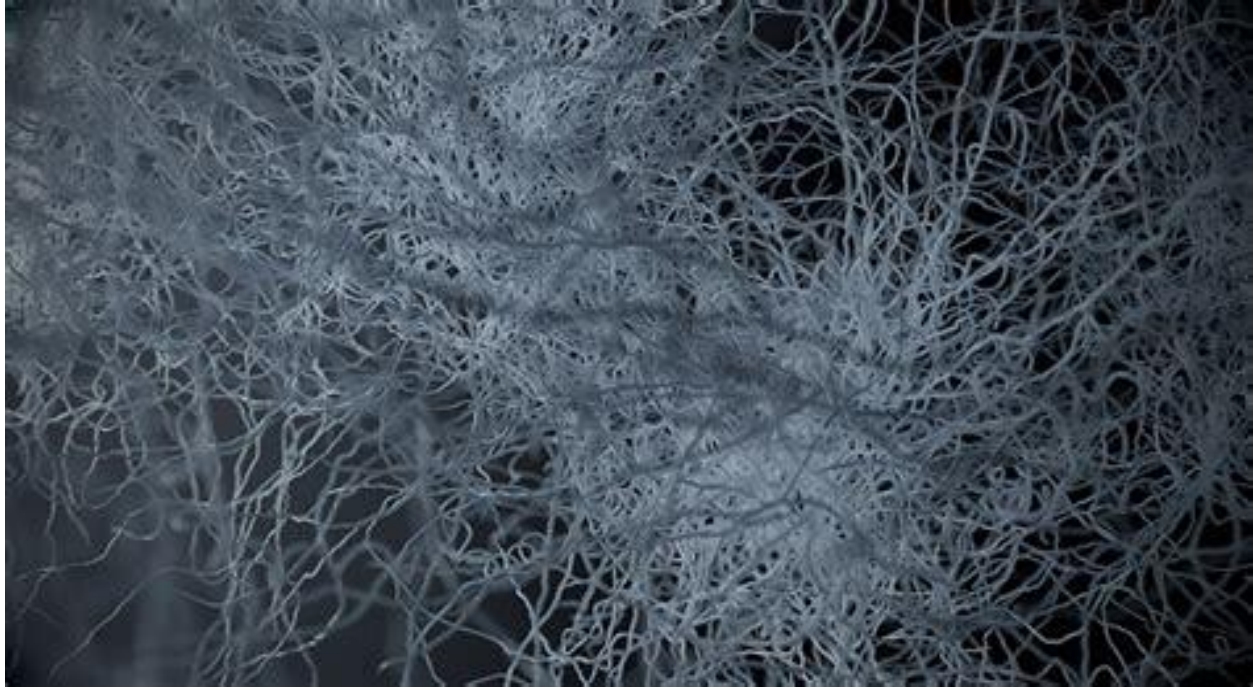


I was simply a Decade Ahead of the "Scientists" and I had to wait 10 yrs for them to catch up...to my level of 'crazy'. [*** Chemists use DNA to build the world's tiniest antenna ***](#)



Crystalline Fiber Optic Antenna Network from Skin Surface under the Hydro Gel, Bio Gel, surface.

I have warned about the cellulose added to the whipping cream and other products.



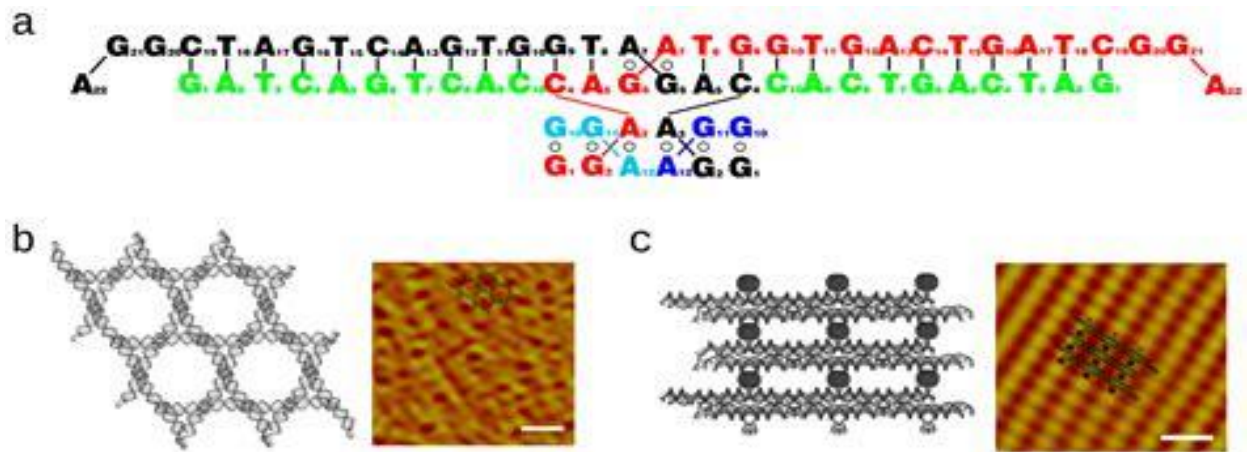
Cellulose Nanocrystals for Health Care Applications



A Complex Nano Pocket Assembly



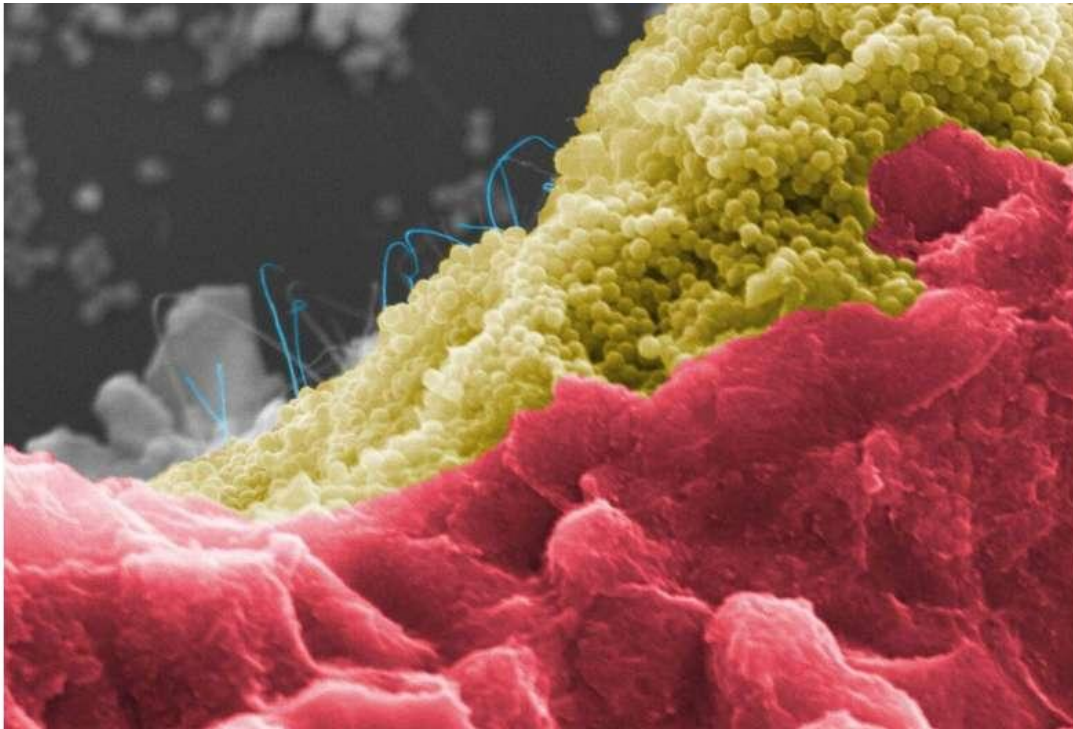
A Bio Nano Carbon Graphene Crystal From The Detox Shedding.
[A novel ammonium pentaborate – poly\(ethylene-glycol\) templated polymer-inclusion compound†](#)



[3D DNA Crystals and Nanotechnology](#)



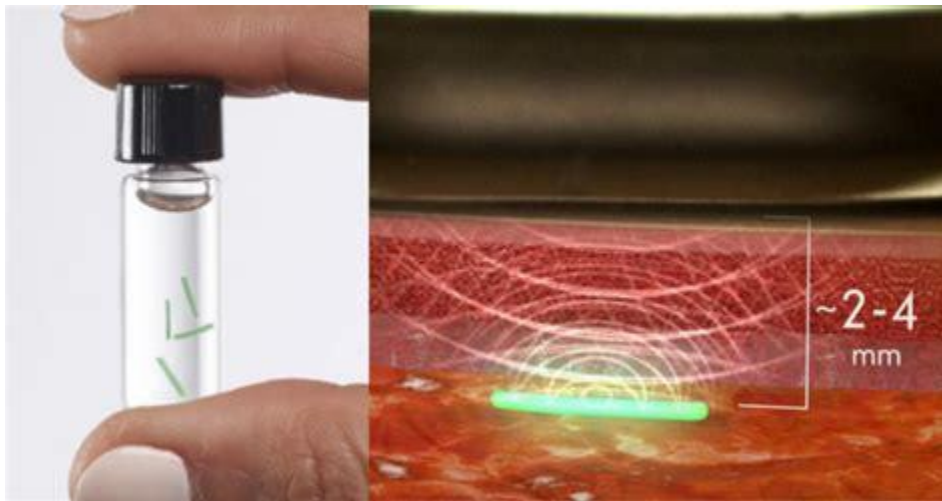
Oragami, Fold Over Bio Film Sheet, shed from tissue surface.



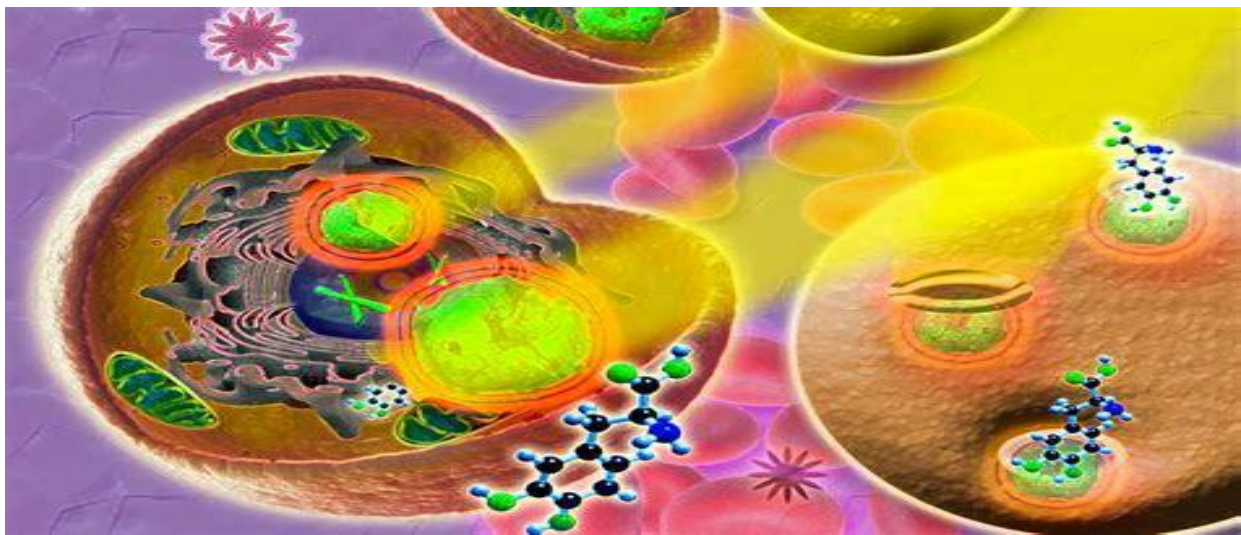
Bacteria cells (red) on a programmable composite of silica nanoparticles (yellow) and carbon nanotubes (blue).

Programmable nests for cells

Bacteria cells (red) on a programmable composite of silica nanoparticles (yellow) and carbon nanotubes (blue). Credit: Niemeyer-Lab, KIT Using DNA, small silica particles, and carbon nanotubes, researchers of Karlsruhe Institute of Technology (KIT) have developed novel programmable nanocomposites that can be tailored to various applications and programmed to degrade quickly and gently. For medical applications, they can create environments in which human stem cells can settle down and develop further.



Hydrogel Biosensor... Implantable Nanotech to be Used in COVID Vaccines?



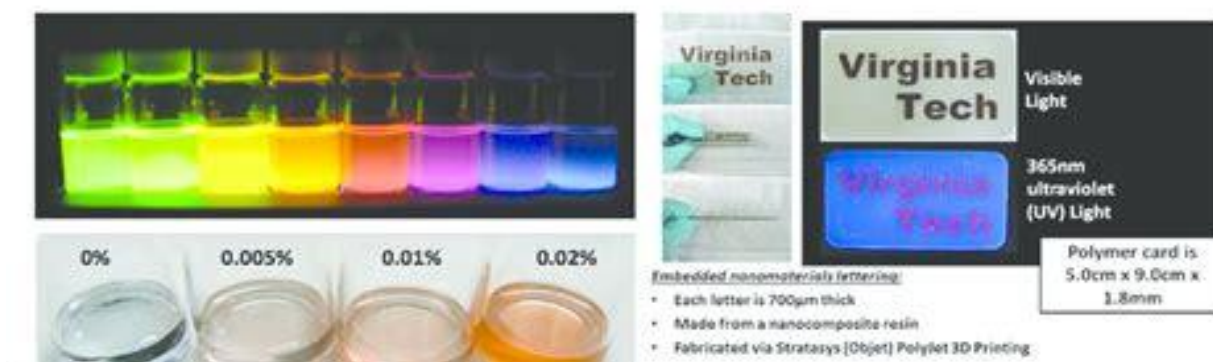
Summary of Hydrogel & Quantum Dot Nanotechnology Characteristics

Li-Fi - Wikipedia

Li-Fi (also written as **LiFi**) is a wireless communication technology which utilizes light to transmit data and position between devices. The term was first introduced by Harald Haas during a 2011 TEDGlobal talk in Edinburgh.. In technical terms, **Li-Fi** is a light communication system that is capable of transmitting data at high speeds over the visible light, ultraviolet, and infrared spectrums.



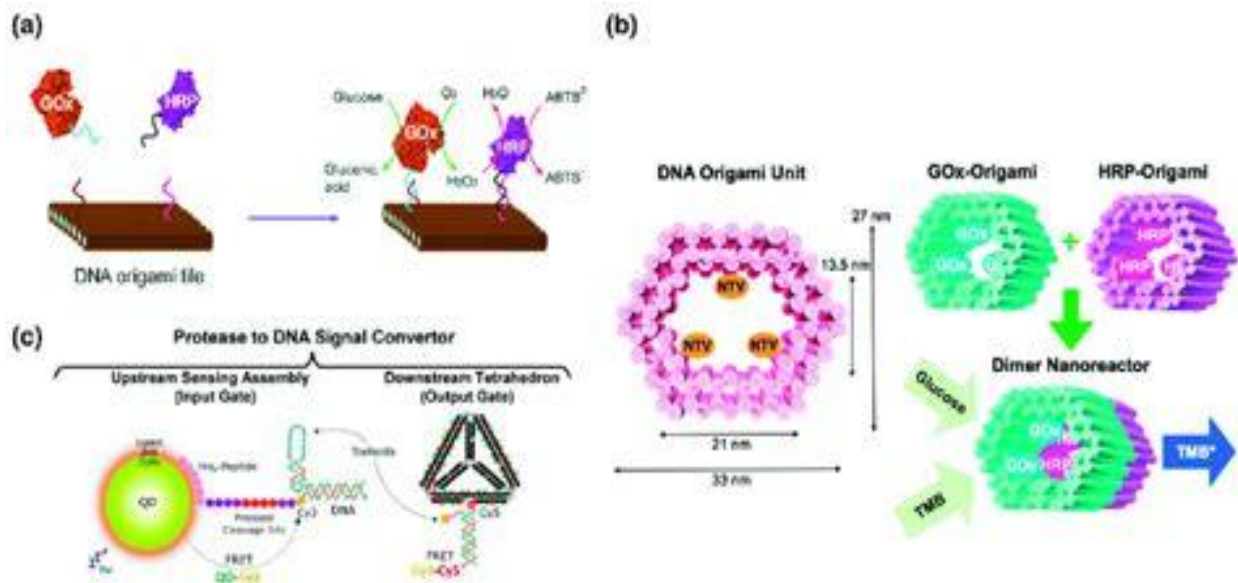
As nanobuilding blocks, CdTe QDs could be driven by a focused femtosecond laser beam to construct arbitrarily-shaped micropatterns with high resolution (~170 nm). ([LiFi](#))



Programmable assembly of CdTe quantum dots into ...

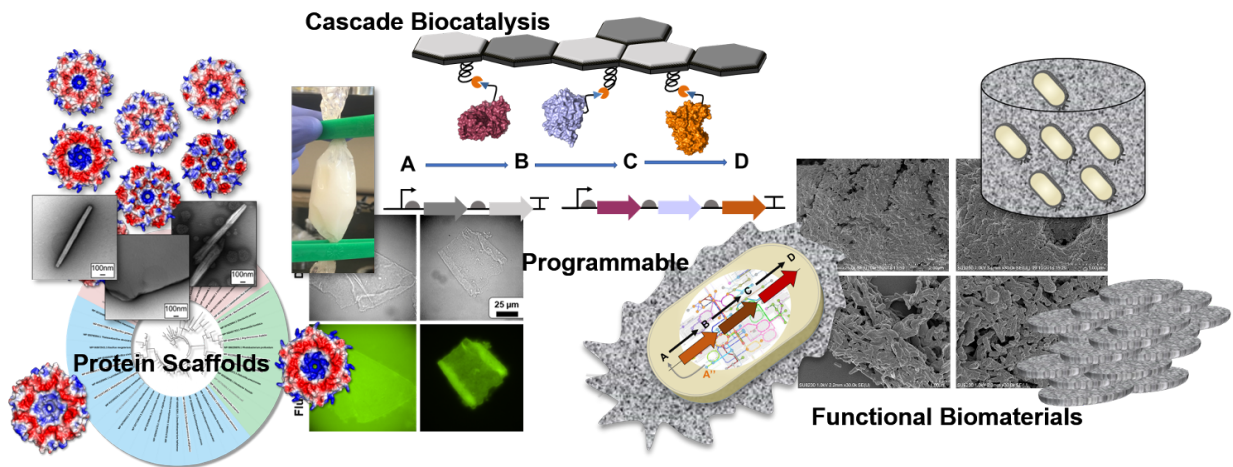
Abstract Reported here is the programmable assembly of CdTe quantum dots (QDs) into various pre-designed microstructures by using a

femtosecond laser direct writing (FsLDW) technique. As nanobuilding blocks, CdTe QDs could be driven by a focused femtosecond laser beam to construct arbitrarily-shaped micropatterns with high resolution (~170 nm).



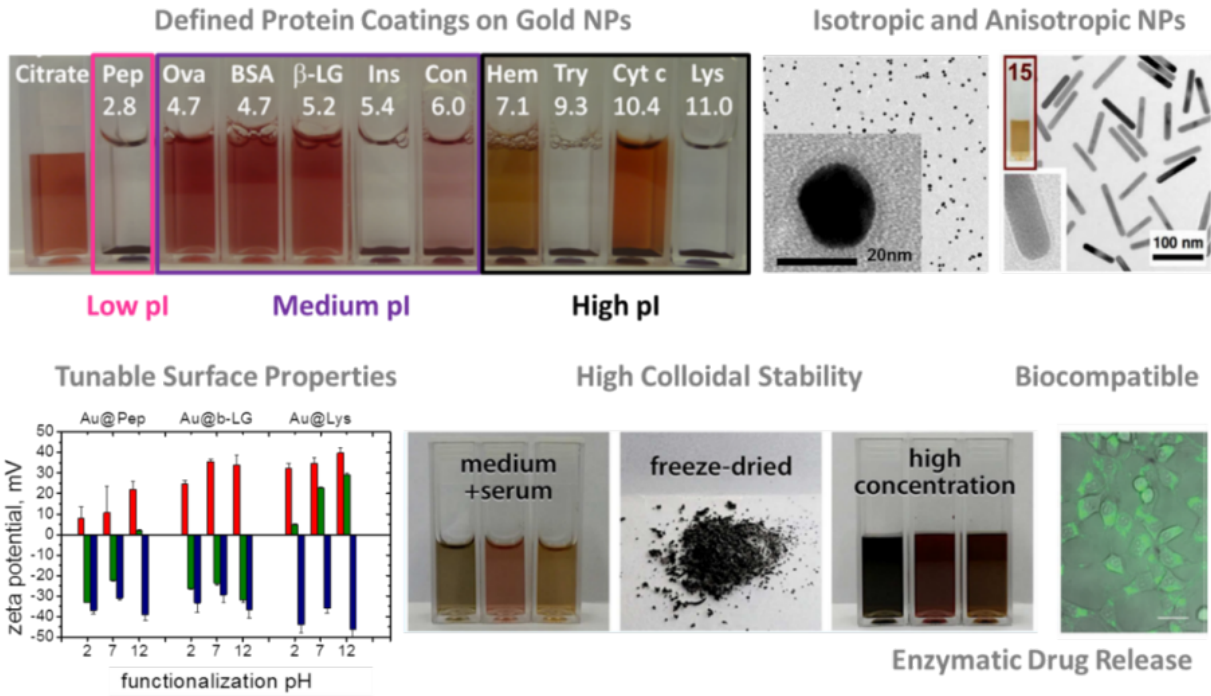
Hybrid enzyme-DNA biosensors:

(a) DNA origami tile combined with programmable DNA sequences acts as a platform to control the spatial arrangement of cascade enzymatic activities.

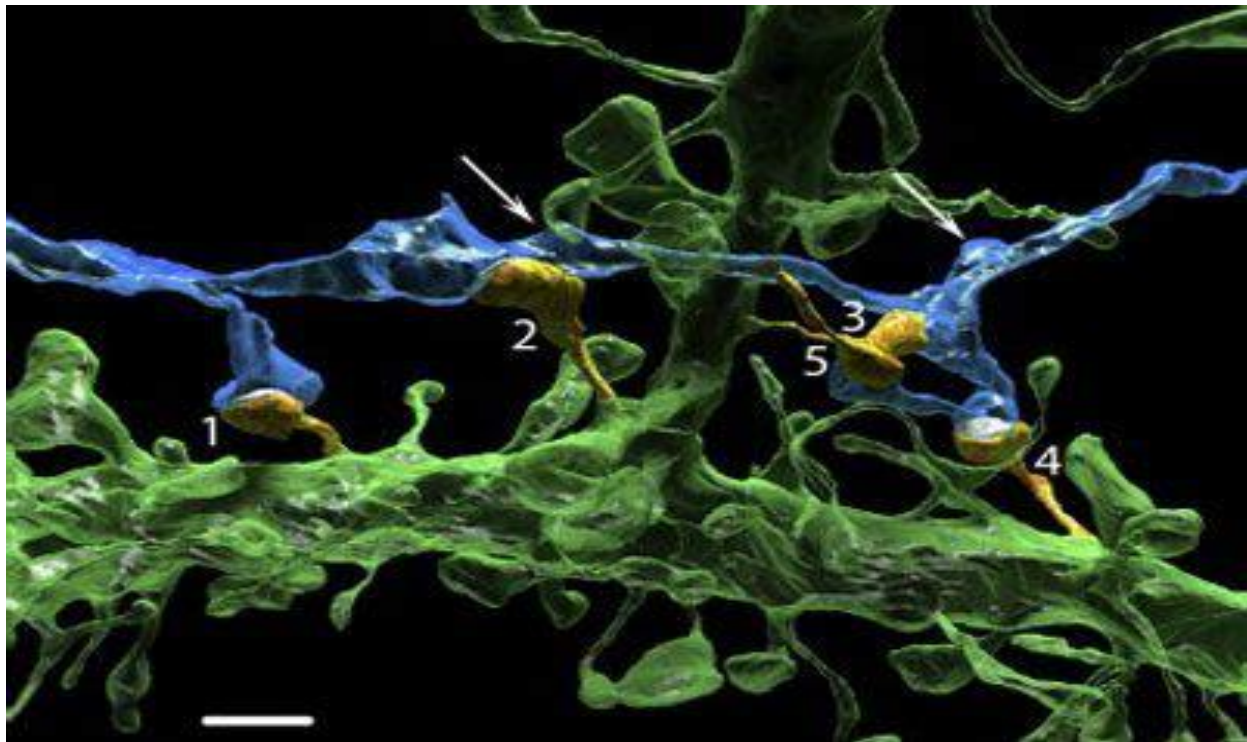


Genetically programmable, self-assembling protein-nanomaterials

Self-Assembled Peptide Nanofibers



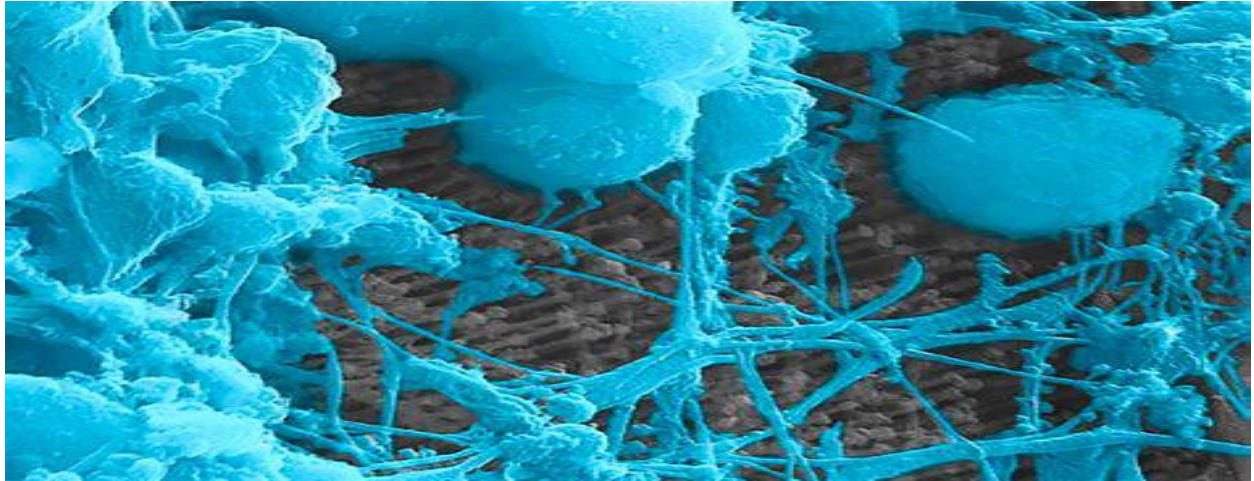
Protein- and Enzyme-coated Nanoparticles



Nano-Tech Mind Control Interface Links Humans to Quantum Computer

[Ray Kurzweil: In The 2030s, Nanobots In Our ... - HuffPost](#)

Advertisement. Kurzweil predicts that in the 2030s, human brains will be able to connect to the cloud, allowing us to send emails and photos directly to the brain and to back up our thoughts and memories. This will be possible, he says, via nanobots -- tiny robots from DNA strands -- swimming around in the capillaries of our brain.

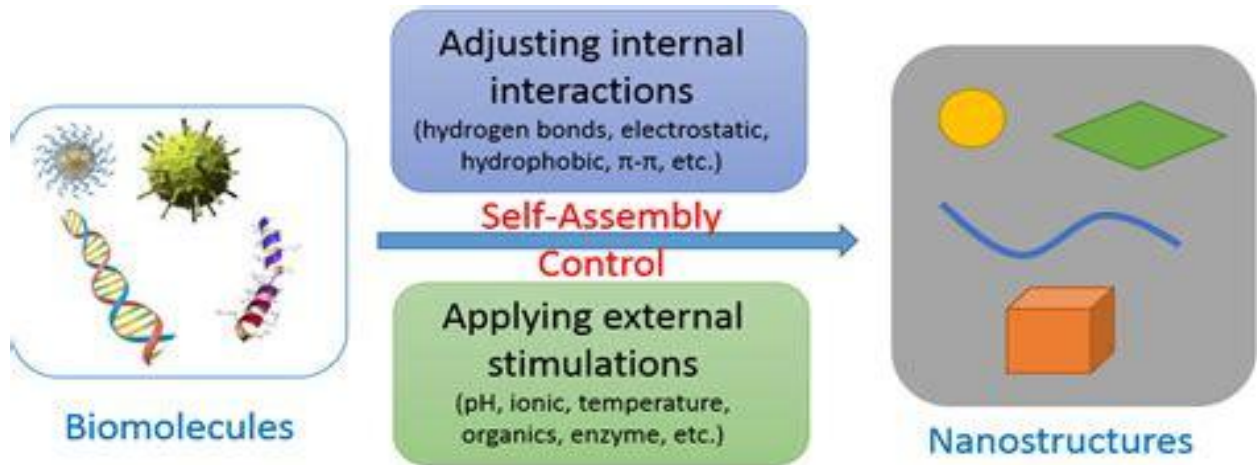


[A team of engineers at the University of California San Diego and La Jolla-based startup Nanovision Biosciences Inc. have developed the nanotechnology and wireless electronics for a new type of retinal prosthesis that brings research a step closer to restoring the ability of neurons in the retina to respond to light.](#)



Are there Optogenetics, [nano biology and blue light health problems?](#) **Primer ...**

Optogenetics in Neural Systems



Controlling the Self-Assembly of Biomolecules into Functional Nanomaterials through Internal Interactions and External Stimulations: [A Review](#)

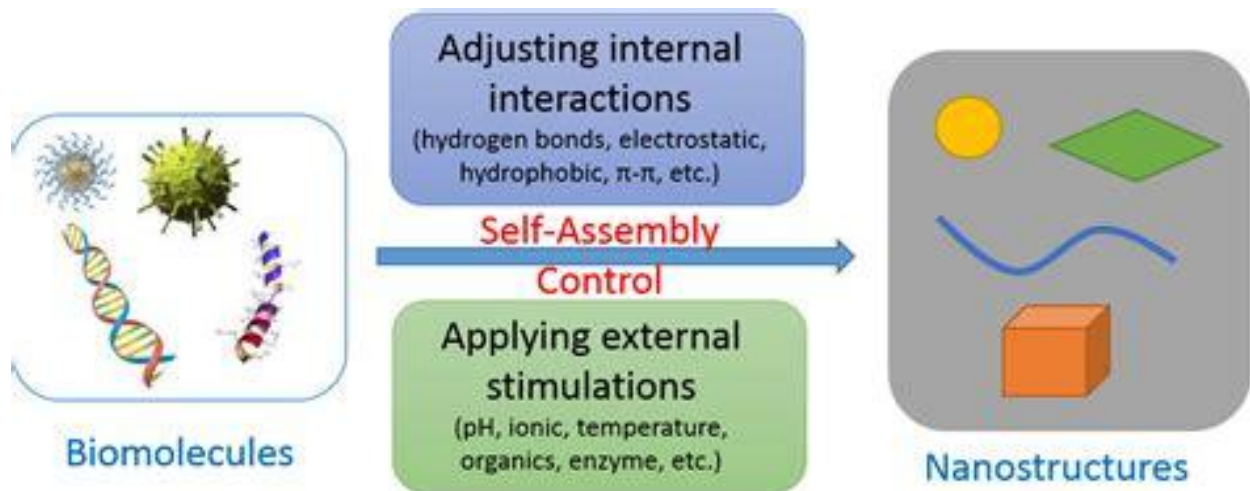
Lab-Based “Li-Fi” Link Exceeds 7 Gb/s Using Blue Micro LED

Taking advantage of a blue GaN micro LED, researchers succeeded in operating a free-space optical link at over 7 Gb/s, possibly functioning as a precursor of a super-speed LiFi type link.



(PDF) Study the Effect of FOV in Visible Light Communication

of highly efficient blue and green LED. Now, InGaN based ... towards Light-Fidelity (LiFi) [13]. 2. ... [a novel methodology](#) is proposed for the prediction of channel parameters using neural ...

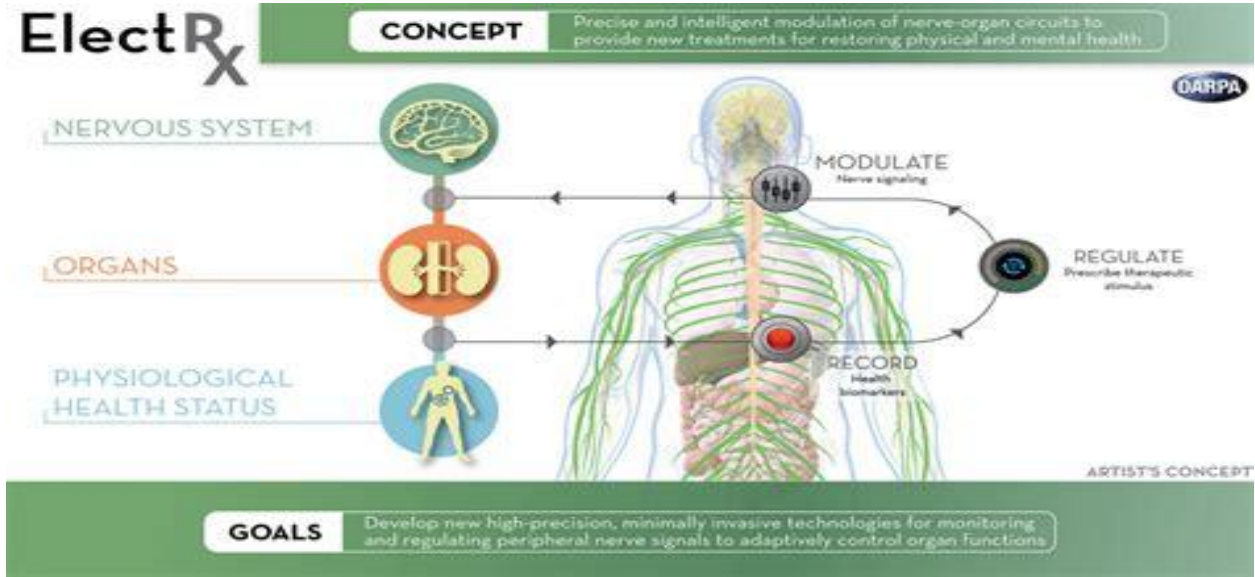


Directed assembly of bio-inspired hierarchical materials with controlled nanofibrillar architectures

In natural systems, directed self-assembly of structural proteins produces complex, hierarchical materials that exhibit a unique combination of mechanical, chemical and transport properties. This controlled process covers dimensions ranging from the nano- to the macroscale. Such materials are desirable to synthesize integrated and adaptive materials and systems.

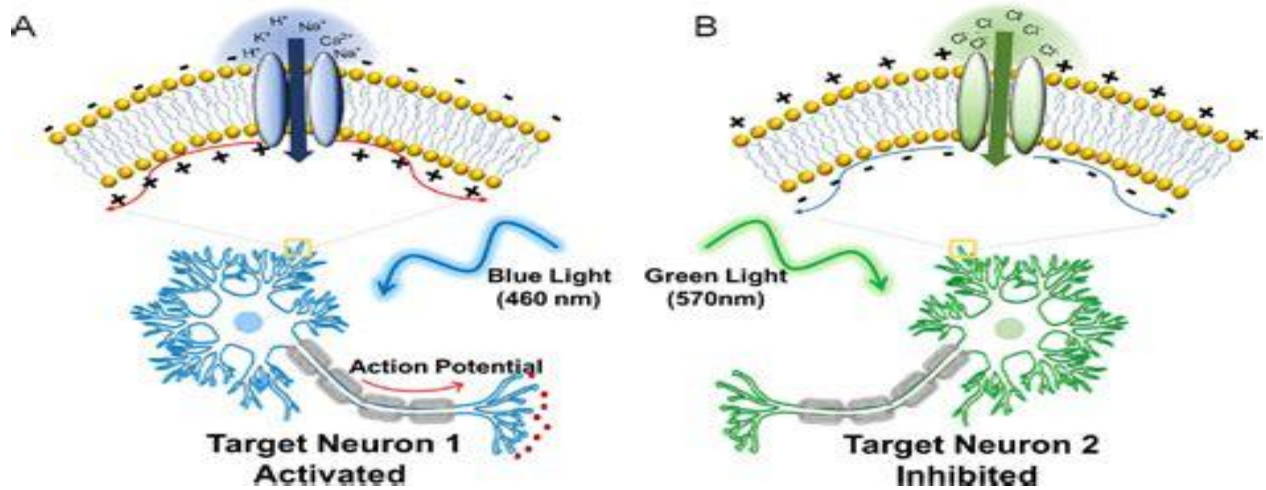


Optogenetics: A Virtual Reality System for Controlling Living Cells

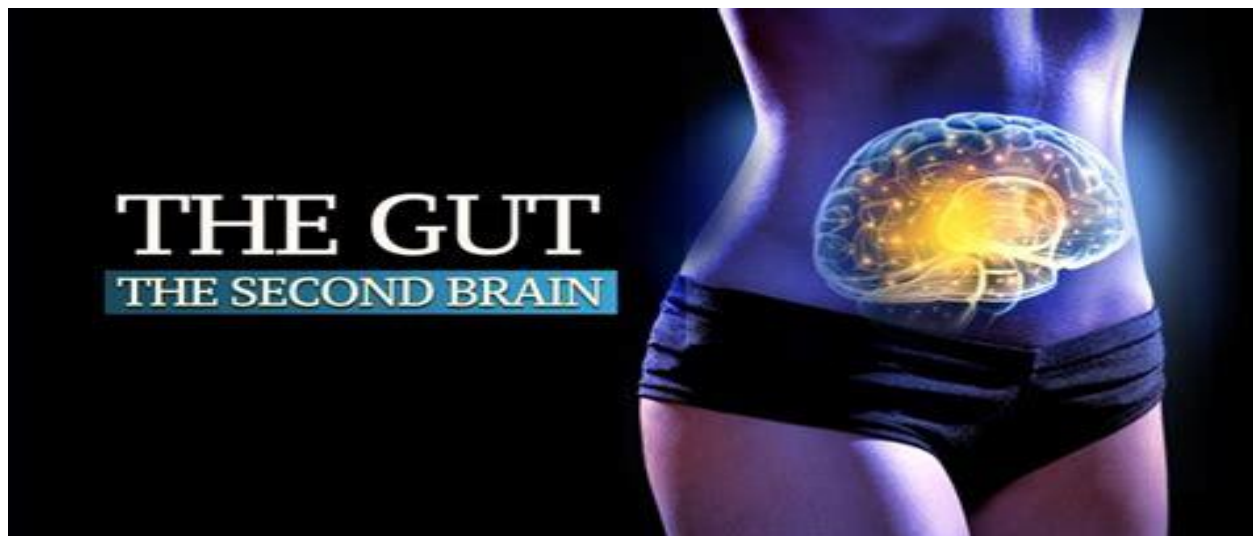


Light-activated neurons hold bright promise for brain science

Optogenetics makes living neurons sensitive to light by introducing special genes, carried by a virus, which produce photoreceptive proteins. By shining light on those cells — generally with a fiber-optic wire — scientists can either activate or suppress particular groups of neurons

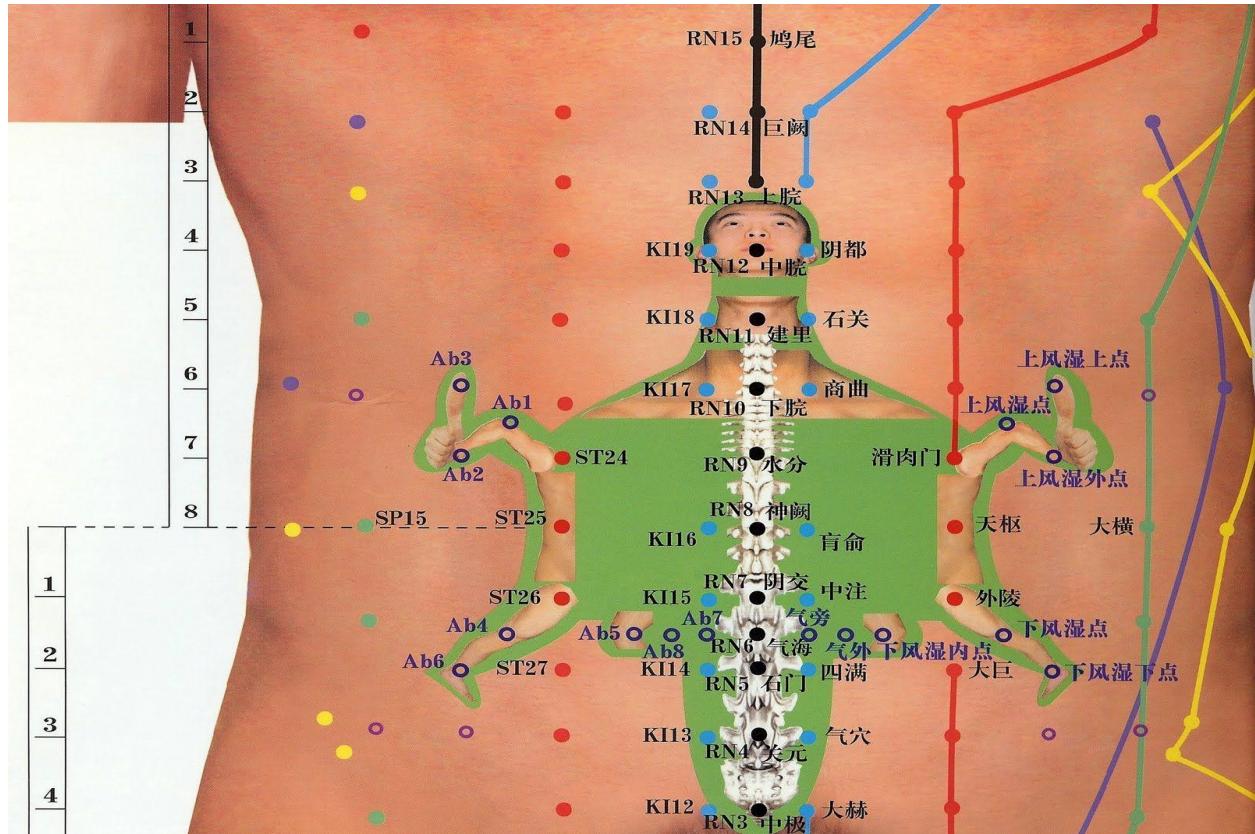


Once [delivered into an organism](#), opsins can be expressed in eye, brain or skin cells, allowing their light-sensitivity to be remotely activated or silenced with timed pulses of light in different color wavelengths across the light spectrum that can target multiple bodily systems and cause a [variety of biological effects](#).



More than a gut feeling – Our second brain

Buried deep within the lining of your gastrointestinal tract there is a [complex network of over 100 million neurons](#), more commonly known as our Enteric Nervous System (ENS).



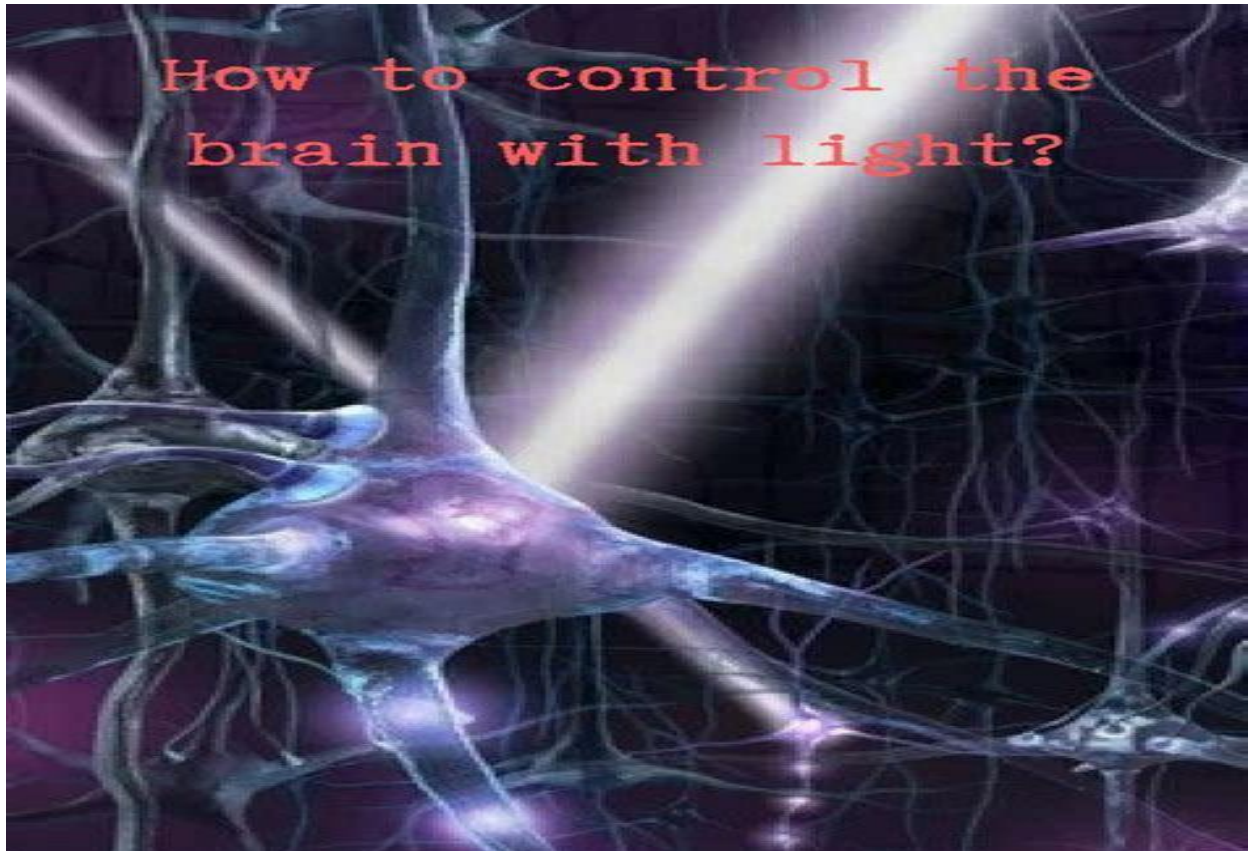
This is why the unbalanced bandings, on the belly, putting uneven pulling tension on the acupuncture points on top of the organs ... triggering an imbalance in the organ secretions, throwing the body into a hellish state of imbalance that makes you momentarily think dying would be easier than going thru this...but it passes when you release the bandings.

This also is the cause of "Hunger Pains" and other stomach and intestinal discomforts that are, normally, blamed on the food ingested.

So, a pulse of light from a blue or green LED can control your hunger and emotions.

FYI...I just had an intense "Hunger Pain" requiring IMMEDIATE Relief...and instead of hitting the fridge...I oil and rubbed the banding tensions in the belly and it IMMEDIATELY faded away. This is bandings pulling on the crystals in the acupuncture points, triggering a disruption in the synced flow and fine-tuned control of the organs, and their secretions.

[Nanotechnology strategies for plant genetic engineering...see my nano in the food, videos](#)

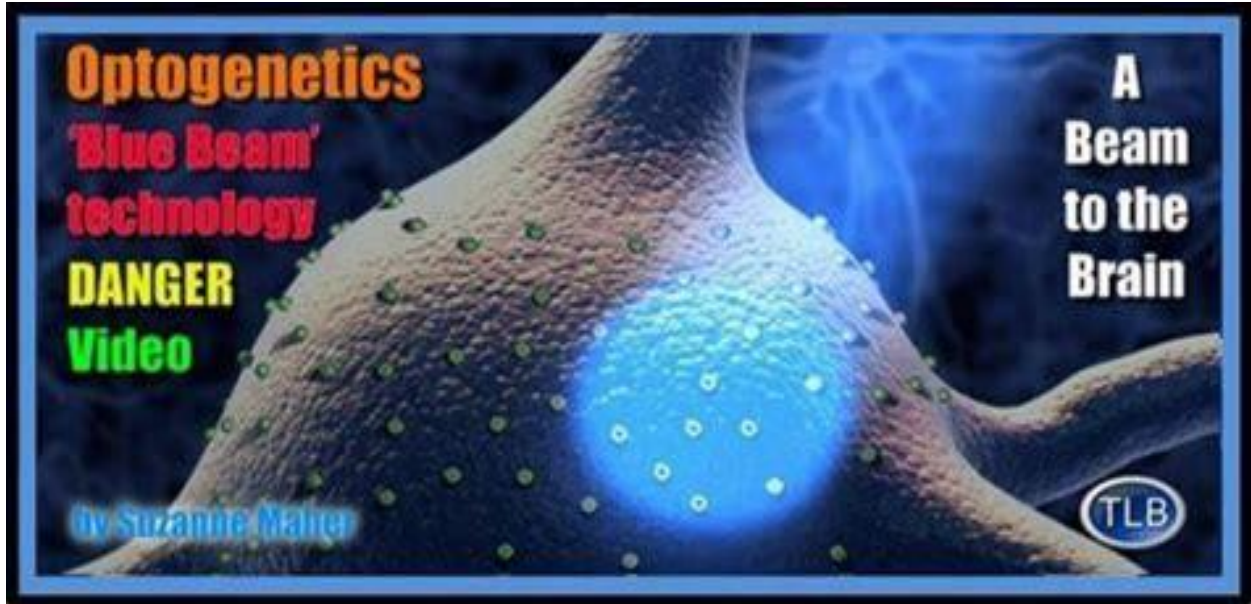


Optogenetics Reveals Neural Wiring at Work in Visual System [With optogenetics](#) it is possible to directly influence the activity of neurons by light.

[Li-Fi Is 100x Faster Than Wi-Fi, But What's the Catch?](#)

[https://www.makeuseof.com > tag > li-fi-100x-faster-wi-fi-whats-catch](https://www.makeuseof.com/tag/li-fi-100x-faster-wi-fi-whats-catch)

Li-Fi, or Light Fidelity, is suddenly in the news these days because an Estonian company called Velmenni conducted a real-world test where it was able to transfer data between devices at 1 Gbps, which is roughly 100 times faster than Wi-Fi in the real world. In lab tests, the fastest recorded speed was 224 Gbps!



Global Military AI Development: [Not Top, But Secret](#)



The top secret autonomous weaponry development is already beginning to worry not only politicians and scientists. Now, the possible militarization of self-learning AI machines has become a number one security topic for everyone, including a completely peaceful population.

The news materials about new developments of military robots or autonomous weapon systems (AWS) of different countries often seeps, but for some reason the boom immediately subsides, as if it were the news about the new mobile application.

Marshall BARNES, internationally R&D engineer, in an exclusive interview for Bitnewstoday.com said that *"The threat is not from countries but anyone with enough cash or the ingenuity to design home made AI weapons on the cheap. Still, France, China and India are several nations known to be working on the use of AI in weapons systems. There is an international effort to control and regulate the development and deployment of autonomous military weapons"*.



Except The COMPUTER Control is Not Electronics...It is a DNA Molecule with all the programming storage, needed...Mega Tera Bytes.

Small is beautiful: Nano drone tech is advancing Rapid improvement in micro drone technology is providing defence interests with new nimble capabilities

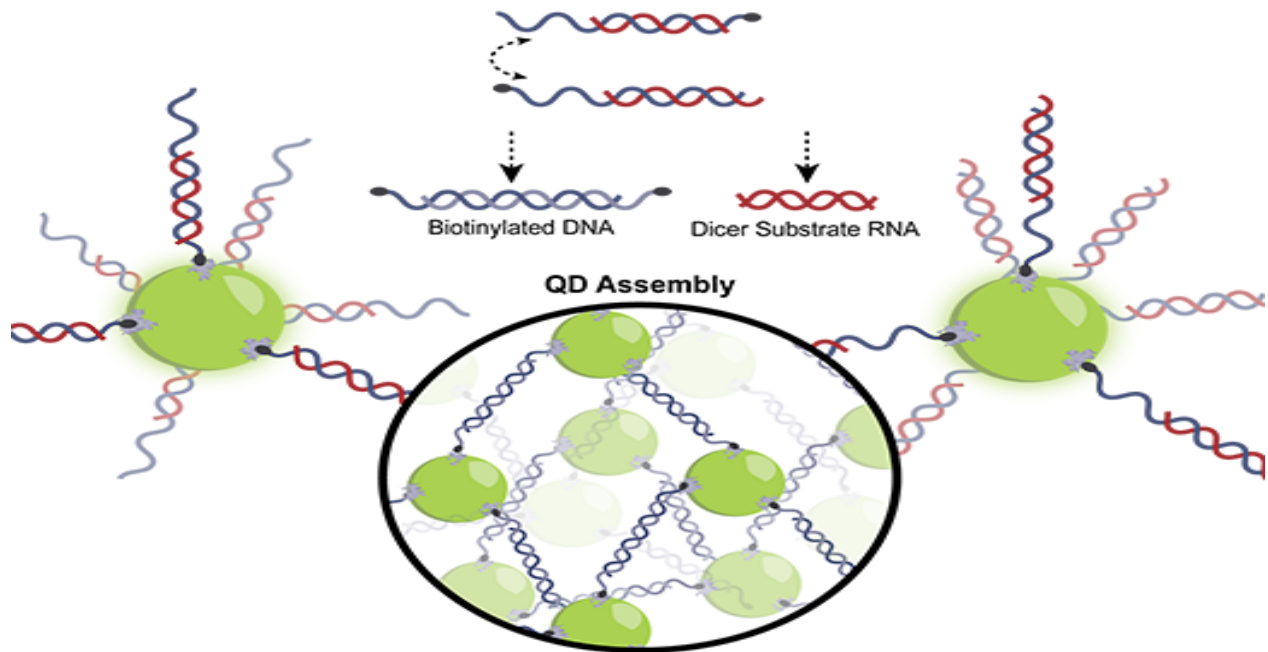
Military nanotechnology - how worried should we be?

About half of the DoD's nanotech investment goes to DARPA (Defense Advanced Research Projects Agency), with the rest roughly evenly split between Army, Navy and Air Force.

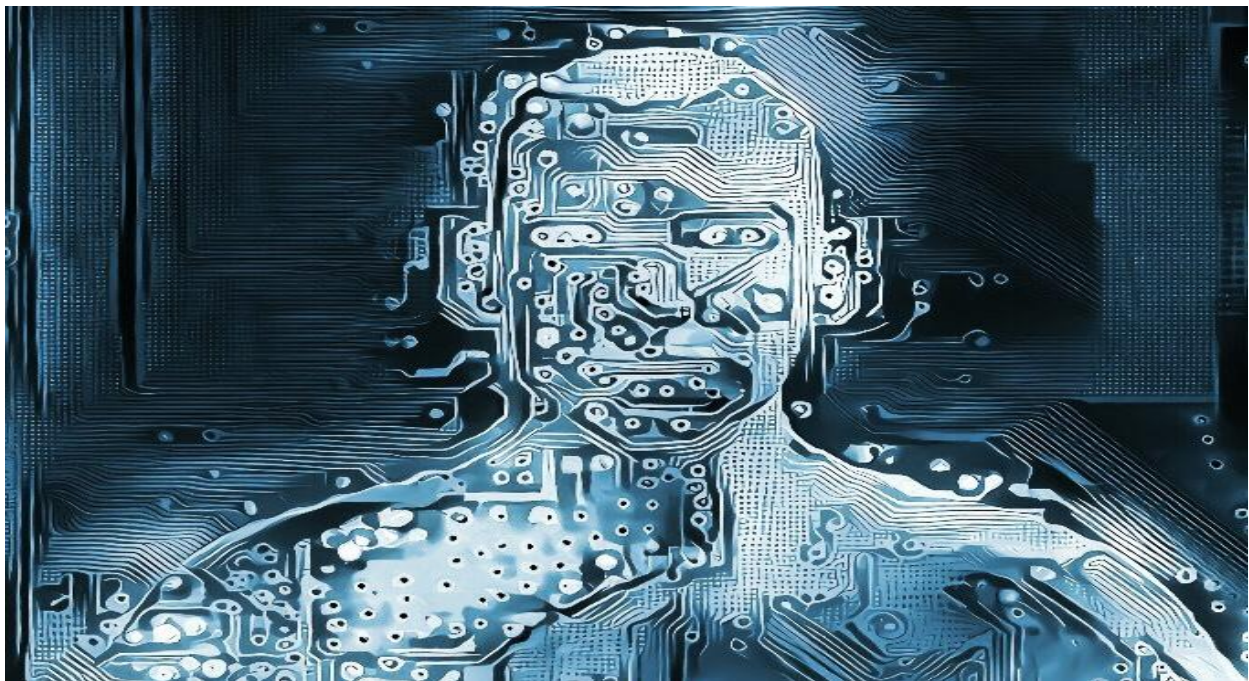


Looks FAMILIAR, eh?

[Intracellular activation of RNA interference upon DNA-driven organization of quantum dot assemblies](#)

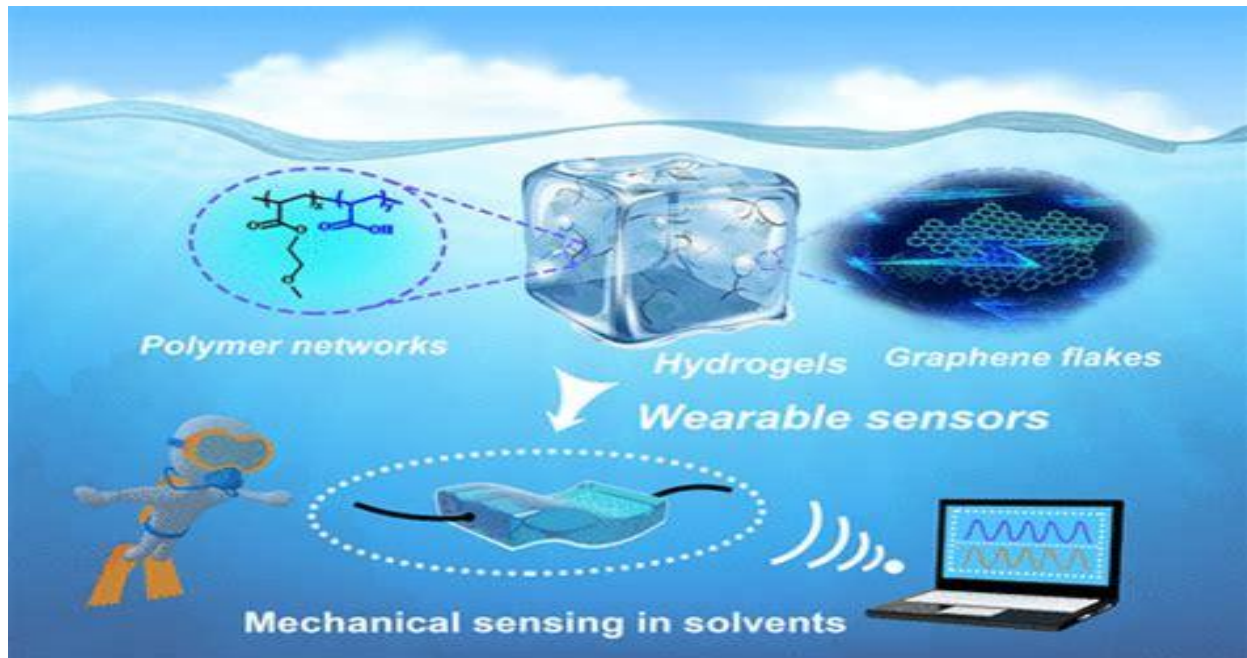


From aptamer-graphene interaction understanding to biosensor performance improvements



LISA RENEE: "Nanotech Biosensors"

Nanotechnology plays an important role in developing **nano**-sized biosensors, such as sensors used for synthetic telepathy and remote **neural** monitoring. **To ensure synthetic telepathy technology works at great distances and via satellite,** biological sensors must be involved to create a handshake for the AI signal.



Hydrogel Biosensor: [Implantable Nanotech to be Used in COVID Vaccines?](#)

Wet-resistant flexible electronics have gained impressive attention as underwater wearable sensors, [all-weather electronic skins](#),



Nanotechnology in the Military
[National Defense](#) [Homeland Security](#)

The Government Is Serious About Creating Mind-Controlled Weapons



DARPA, the Department of Defense's research arm, is paying scientists to invent ways to instantly read soldiers' minds using tools like genetic engineering of the human brain, nanotechnology and infrared beams.



[Graphene doped with hydrogen reveals its magnetism](#)