

...Multiplexed barcoding of cells:

Fluorescence Polarization Spectroscopy

pubmed.ncbi.nlm.nih.gov/34163769/

[en.wikipedia.org/wiki/Fluorescence...](https://en.wikipedia.org/wiki/Fluorescence_polarization_spectroscopy)

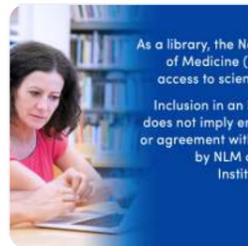
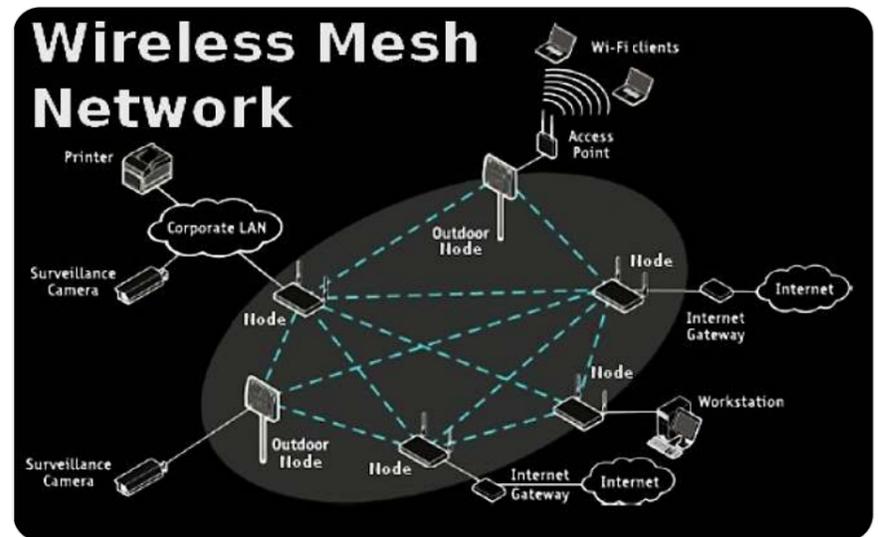
Biological detection
The discovery of radiative recombination in Aluminum Gallium Nitride (AlGaIn) alloys by U.S. Army Research Laboratory (ARL) led to the conceptualization of UV light emitting diodes (LEDs) to be incorporated in light induced fluorescence sensors used for biological agent detection.[169][170][171] In 2004, the Edgewood Chemical Biological Center (ECBC) initiated the effort to create a biological detector named TAC-BIO. The program capitalized on Semiconductor UV Optical Sources (SUVOS) developed by the Defense Advanced Research Projects Agency (DARPA).[171]

UV induced fluorescence is one of the most robust techniques used for rapid real time detection of biological aerosols.[171] The first UV sensors were lasers lacking in-field-use practicality. In order to address this, DARPA incorporated SUVOS technology to create a low cost, small, lightweight, low power device. The TAC-BIO detector's response time was one minute from when it sensed a biological agent. It was also demonstrated that the detector could be operated unattended indoors and outdoors for weeks at a time.[171]

Aerosolized biological particles will fluoresce and scatter light under a UV light beam. Observed fluorescence is dependent on the applied wavelength and the biochemical fluorophores within the biological agent. UV induced fluorescence offers a rapid, accurate, efficient and logistically practical way for biological agent detection. This is because the use of UV fluorescence is reagent less, or a process that does not require an added chemical to produce a reaction, with no consumables, or produces no chemical byproducts.[171]

Additionally, TAC-BIO can reliably discriminate between threat and non-threat aerosols. It was claimed to be sensitive enough to detect low concentrations, but not so sensitive that it would cause false positives. The particle counting algorithm used in the device converted raw data into information by counting the photon pulses per unit of time from the fluorescence and scattering detectors, and comparing the value to a set threshold.[172]

The original TAC-BIO was introduced in 2010, while the second generation TAC-BIO GEN II, was designed in 2015 to be more cost efficient as plastic parts were used. Its small, light-weight design allows it to be mounted to vehicles, robots, and unmanned aerial vehicles. The second generation device could also be utilized as an environmental detector to monitor air quality in hospitals, airplanes, or even in households to detect fungus and mold.[173][174]



Multiplexed optical barcoding of cells via photochemical programming of bioorthogonal host-guest recognition - PubMed

Modern chemical and biological studies are undergoing a paradigm shift, where understanding the fate of individual cells, in an apparently homogeneous population, is becoming increasingly important. T...

<https://pubmed.ncbi.nlm.nih.gov/34163769/>



Fluorescence anisotropy - Wikipedia

https://en.wikipedia.org/wiki/Fluorescence_anisotropy#Applications



Minority Report (film) - Wikipedia

[https://en.wikipedia.org/wiki/Minority_Report_\(film\)](https://en.wikipedia.org/wiki/Minority_Report_(film))

I fucking knew it. That's just wonderful. 😊



Intra-body nano-network - Brief summary by Mik Andersen.pdf
Intra-body nano-network Brief summary Mik Andersen. Translated by Orwell City <https://www.orwell.city>. Diagram of the intra-body nano-network. Diagram of the intra-body nano-network • The nano-network...
<https://www.docdroid.net/tvx0R9b/intra-body-nano-network-brief-summary-by-mik-andersen-pdf>

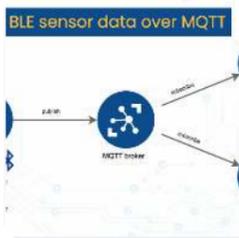
https://www.researchgate.net/publication/348355577_Electromagnetic-Based_Wireless_Nano-Sensors_Network_Architectures_and_Applications

Uh...yeah. 🤔 I don't know about all this, but we will just hope I'm wrong.
zenodo.org/record/6289590...

II. MAIN TEXT
A. NANONETWORK AND NANOCOMMUNICATIONS
The packet routing system used is called **CORONA (COordinate and ROuting System for NAnonetworks)**. [7]
This model requires the configuration of nanonodes distributed throughout the body, i.e., nanosensors and nanoantennas, which have the ability to achieve high transmission rates over very short distances when operating in the most promising operating spectrum of the Terahertz band(0.1 - 10.0 THz), which propagate the signal to the other nanonodes; some of them must be fixed and are positioned on the body tissue (endothelium, blood vessel walls and tissues of the various organs) like an anchor, and triangulate the position of the other nanonodes, measuring their distance and the hops in the connection; others are instead mobile, since they are present in the circulatory system, i.e. dynamic with the ability to aim at specific targets. In the operational phase, the routing uses the appropriate subset of anchors, required by the sender of the packet, to transmit the data. This system operates efficiently, resulting in packet retransmission and very low loss rate, promoting energy efficiency. [8]

bleuio.com/blog/send-ble-... So...imagine you were an air sensor

[#IoB](#) [#InternetofBodies](#) [#IoT](#) [#IoTPractitioner](#)
[#WEF](#) [#Agenda2030](#) [#NewWorldOrder](#) [#BNT162b2](#)



Send BLE sensor data over MQTT using BleuIO - BleuIO - Create Bluetooth Low Energy application

We're living in the world of connected devices. The internet of things helps us live and work smarter, as well as gain complete control over our lives. One of the latest technological advancements in ...

<https://www.bleuio.com/blog/send-ble-sensor-data-over-mqtt-using-bleuio/>

BLE/MAC Addresses:

expose-news.com/wp-content/upl...

theinternetofallthings.com/galileo-satell...

theinternetofallthings.com/aws-iot-core-d...

finance.yahoo.com/news/onemind-t...

blues.io/blog/what-is-c...

iotforall.com/cellular-iot-e...

iotcommunity.net/iot-premier-le...

Video on IoB: [:tinyurl.com/mre568yk](https://tinyurl.com/mre568yk)

[#IoB](#) [#InternetofBodies](#) [#WEF](#) [#IoT](#)



Galileo satellite modified to generate signal for IoT - The Internet Of All Things

One Galileo satellite has been modified to generate a new signal component that is more suited for Internet of Things (IoT) applications and low-end receiver devices.

<https://www.theinternetofallthings.com/galileo-satellite-modified-to-generate-signal-for-iot>



AWS IoT Core Device location launched - The Internet Of All Things

AWS IoT Core Device Location will track IoT devices.

<https://www.theinternetofallthings.com/aws-iot-core-device-location-launched>



OneMind Technologies Announces New Hypervisor IOT Enhancements Strengthening Analytic Capabilities

OneMind Technologies a wholly owned subsidiary of Affluence Corporation (AFFU.PK) announced today new and innovative product features that will enable future development to utilize Artificial Intellig...

<https://finance.yahoo.com/news/onemind-technologies-announces-hypervisor-iot-134000635.html>



What is Cellular IoT? | Blues Wireless

Cellular IoT technologies allow devices to securely connect to a network for transmitting data. Let's dive into the details!

<https://blues.io/blog/what-is-cellular-iot/>



Cellular IoT Explained - NB-IoT vs. LTE-M vs. 5G and More

You can use this well-researched description of each 5G option to better understand the emerging forms of cellular IoT.

<https://www.iotforall.com/cellular-iot-explained-nb-iot-vs-lte-m>



IoT Premier League - IoT Community® - Internet of Things Community®

Join the Internet of Things Community to begin networking and connecting with the world's largest CxO community of senior business leaders and IoT practitioners.

<https://iotcommunity.net/iot-premier-league>



<https://tinyurl.com/mre568yk>



https://www.researchgate.net/publication/344081231_The_Internet_of_Bodies_A_Systematic_Survey_on_Propagation_Characterization_and_Channels

Won't play?



The WEF - Brainwaves.mp4

<https://cutt.ly/J34GYMg>

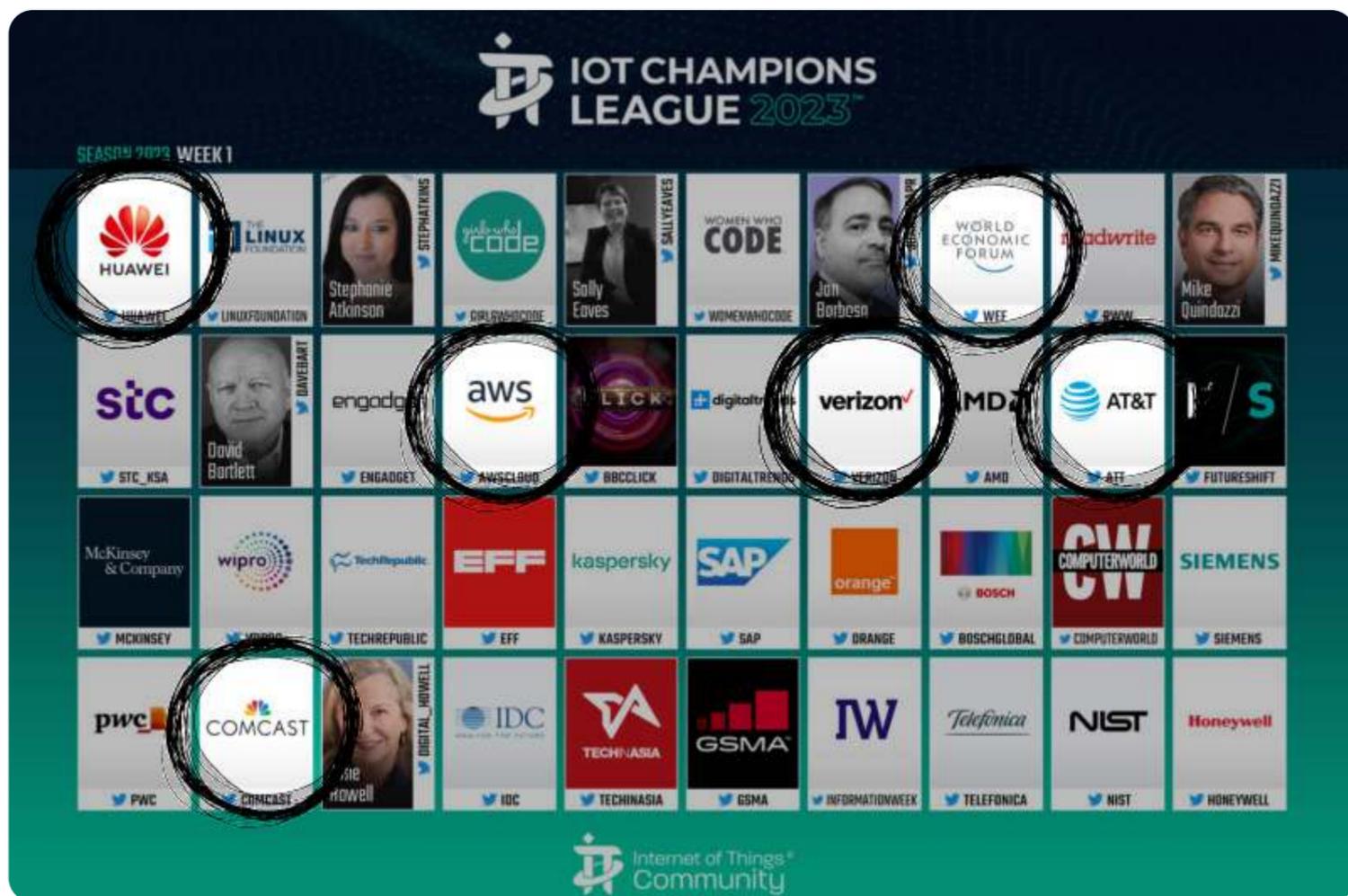
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You'd think back when 'conspiracy theorists' were like 50,000-0, you'd have started listening. Don't say we didn't try, and I still am! 🧪 + 🧬 = 🍌



#IoT #IoB #InternetOfBodies #InternetOfThings

iotcommunity.net/iot-premier-le...



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<https://iotcommunity.net/iot-premier-league/>

#Agenda2030 #BidenCrimeFamily

Biotechnology Over Human Rights:
Joe Biden Issues Executive Order Promoting

“Biotechnology” and “Biomanufacturing” in
“American Bioeconomy”

cutt.ly/38e8Hff

Read the EO here:



Biotechnology Over Human Rights_President Joe Biden.pdf

<https://cutt.ly/38e8Hff>



Executive Order on Advancing Biotechnology and Biomanufacturing Innovation for a Sustainable, Safe, and Secure Ame...

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

Section 1. Policy. It is the policy of my Administration...

<https://cutt.ly/y8e4sT5>

[#UN](#) [#NATO](#) [#Agenda2030](#)

Scroll up.  Gotta start @ the top. Or click this:

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#Lockstep #Rockefeller

Who's this guy? tinyurl.com/27nmu2jp

It checks out.



Scenarios for the Future of Technology and International Development / 2014-01-01

tinyurl.com/4y9n76em

Page 6: Peter Schwartz

berggruen.org/people/peter-s...

Minority Report! Woah. It was sarcasm...

Peter Schwartz is co-founder and chairman of Global Business Network, a Monitor Group company, and a partner of the Monitor Group, a family of professional services firms devoted to enhancing client competitiveness. He is also Senior Vice President of Global Government Relations and Strategic Planning at Salesforce.com. An internationally renowned futurist and business strategist, Peter specializes in scenario planning, working with corporations, governments, and institutions to create alternative perspectives of the future and develop robust strategies for a changing and uncertain world. His current research and scenario work is particularly focused on climate change and national security issues, and also encompasses energy resources and the environment, technology, telecommunications and aerospace. He creates private discontinuity committees to help senior advisors and policy makers avoid strategic surprise by identifying relevant threats and opportunities and designing creative strategies for avoiding or embracing them as appropriate.

Peter is a member of the [Council on Foreign Relations](#), the [World Economic Forum Global Agenda Council](#), the [World Affairs Council](#) and, in Singapore, the [Research, Innovation and Enterprise Council](#). He also sits on the boards of [The Long Now Foundation](#), [The Center for New American Security](#), and [the Center for Strategic Studies](#).

From 1982 to 1986, Peter headed scenario planning for the Royal Dutch/Shell Group of Companies in London. His team conducted comprehensive analyses of the global business and political environment and worked with senior management to create successful strategies. Before joining Royal Dutch/Shell, Peter directed the Strategic Environment Center at SRI International. The Center researched the business milieu, lifestyles, and consumer values, and conducted scenario planning for corporate and government clients. Peter is the author of *Inevitable Surprises* (Gotham, 2003), a provocative look at the dynamic forces at play in the world today and their implications for business and society. His first book, *The Art of the Long View* (Doubleday Currency, 1991; audio tape, 1995; paperback, 1996), is considered a seminal publication on scenario planning and has been translated into multiple languages. He is also the co-author of *The Long Boom* (Perseus, 1999), a vision for the world characterized by global openness, prosperity, and discovery; *When Good Companies Do Bad Things* (Wiley, 1999), an examination of, and argument for, corporate social responsibility; and *China's Futures* (Jossey-Bass, 2001), which describes very different scenarios for China and their international implications. He publishes and lectures widely and served as a script consultant on the films "The Minority Report," "Deep Impact," "Sneakers," and "War Games." Peter received a B.S. in aeronautical engineering and astronautics from Rensselaer Polytechnic Institute.

Schwartz was previously a member of the [21st Century Council](#), [Council for the Future of Europe](#), and [The WorldPost Advisory Council](#).



<https://tinyurl.com/27nmu2jp>



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<https://tinyurl.com/4y9n76em>



Peter Schwartz – Berggruen Institute

<https://www.berggruen.org/people/peter-schwartz>

iotworldtoday.com/connectivity/n...

⚠️📡⚠️ #WEF #UN #GlobalHealthCouncil #USAID #IoT

iotworldtoday.com/connectivity/s...

Smart Trash Can Provides Hidden 5G Infrastructure

Alpha Wireless, BigBelly are expanding their partnership which previously deployed 5G infrastructure, concealed within a Bigbelly bin, in Dublin

New Satellite Platform Adds IoT Connectivity Across Europe

The network promises LoRa connectivity from space



New Satellite Platform Adds IoT Connectivity Across Europe | IoT World Today

The network promises LoRa connectivity from space

<https://www.iotworldtoday.com/connectivity/new-satellite-platform-adds-iot-connectivity-across-europe>



Smart Trash Can Provides Hidden 5G Infrastructure

Alpha Wireless, BigBelly are expanding their partnership which previously deployed 5G infrastructure, concealed within a Bigbelly bin, in Dublin

<https://www.iotworldtoday.com/connectivity/smart-trash-can-provides-hidden-5g-infrastructure>

Neural Stimulation Through Light-Sensitive Proteins for Biological Manipulation:

techspot.com/article/1531-o...

Worked on rats.

nature.com/articles/natur...

tinyurl.com/57tsnabc

NIH, DARPA and IARPA, the role that light-sensitive cells could soon play... tinyurl.com/8eyyvu5c

According to a detailed article from Techspot titled "Optogenetics: A Virtual Reality System for Controlling Living Cells: Neural Stimulation Through Light-Sensitive Proteins for Biological Manipulation":

"Current optogenetic experiments rely on extracting "opsins" (light-sensitive proteins) from plants which can be introduced to mammals by methods including injection and infection via adenovirus.

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."

The article lists several possibilities for optogenetics, including combining optogenetics with the CRISPR genetic modification technology: to make a set of photoactivatable tools, enabling the literal editing of an animal's genome through the external application of light.

The tools could control the timing, location, and reversibility of the genome editing, which could entail modifying, activating, or repressing a particular gene.

The DARPA-funded Neural Engineering System Design (NESD) program is utilizing optogenetics, an integral feature of the program according to Tech Spot.



Optogenetics: A Virtual Reality System for Controlling Living Cells

Our brains communicate with electrical and chemical signaling, but scientists have discovered that light stimulation could hold potential keys to manipulating neuronal communication pathways that infl...

<https://www.techspot.com/article/1531-optogenetics/>



Scientists Infect Mice with Light Sensitive Viruses, Activate Killer Behavior with Lasers

They hunted "just about everything placed in their paths," according to the study.

<https://tinyurl.com/57tsnahc>



The U.S. Government Launches a \$100-Million "Apollo Project of the Brain"

Intelligence project aims to reverse engineer the brain to find algorithms that allow computers to think more like humans

<https://tinyurl.com/8eyyv5c>

It appears they've been planning this brainwave shit for many years.

Robots 'will be able to read your thoughts within a generation' - and hackers could steal your innermost secrets

By JENNY STANTON FOR MAILONLINE

PUBLISHED: 17:06 EST, 23 January 2016 | UPDATED: 23:45 EST, 23 January 2016

Robots may be able to read your thoughts by 2030 and your innermost secrets could be hacked, an expert has warned.

Nita Farahany, a professor of law and philosophy at Duke University in North Carolina in the U.S., said brain function could be used to unlock electronic devices, but the equipment used to read the mind could ultimately be worn all the time.

Speaking at the **World Economic Forum in the Swiss Alps, Ms Farahany said the device reading brain activity would share it with a computer** and apps, which could be accessed by 'not good Samaritans'.



jdsupra.com/legalnews/clie...



Are brainwaves a biometric? You're damn right it is.

[#WEF](#) [#WEFpuppet](#)



<https://www.jdsupra.com/legalnews/client-alert-illinois-supreme-court-6168956/>

[theconversation.com/device-transmi...](https://theconversation.com/device-transmits-radio-waves-with-almost-no-power-without-violating-the-laws-of-physics-196271)

[#IoT](#) [#IoB](#)



Device transmits radio waves with almost no power – without violating the laws of physics

A wireless transmitter uses almost no power and at first glance appears to violate the laws of physics. It's actually a clever use of physics that could one day transmit data from tiny remote sensors.

<https://theconversation.com/device-transmits-radio-waves-with-almost-no-power-without-violating-the-laws-of-physics-196271>

en.wikipedia.org/wiki/Quantum_d...

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[sciencedirect.com/science/articl...](https://www.sciencedirect.com/science/articl...)

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Quantum dot cellular automaton - Wikipedia

https://en.wikipedia.org/wiki/Quantum_dot_cellular_automaton



<https://www.sciencedirect.com/science/article/abs/pii/S0577907322002660>



<https://pubs.acs.org/doi/abs/10.1021/acs.bioconjchem.9b00458>

[#bioethics](#) [#wef2030agenda](#) [#IoNT](#)

Who is Anthony Fauci's Wife? Christine Grady, also a bioethics commission member along side Nita Farahany.

cutt.ly/tVUJOYk





Who is Anthony Fauci's Wife? You Won't Believe it...

Who is Anthony Fauci's Wife? You Won't Believe it...Video by Amazing Polly - <https://www.youtube.com/watch?v=jkYen0g4TRU&t=1s>

<https://cutt.ly/tVUJOYk>

COMUSAV - BlueTRUTH (English Subs) Documentary:

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bio-techne.com/diagnostics/ex...

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Minimal sample volumes required

3 ANALYTE EXTRACTION
Patented Exosomal Isolation Protocols: RNA, Protein, or DNA
Detect the same RNA diversity as tissue

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Characterize Patient Samples & Cell Types

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Exolution Plus: RNA + cDNA

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- Combination of RNA+cDNA is more sensitive than cDNA alone.

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Great Things Come in Small Packages: The Exosome Diagnostic's Exosome Platform

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- Large density of exosomes in various biofluids, meaning potentially lower sample volume requirements
- More abundant than CTCs and cfDNA
- High-quality RNA and analyte analysis
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- Lipid bilayer protects from enzymatic degradation
- Snapshots of living process
- Transcriptome & Proteome Information
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Which Brands are Currently Available on bio-techne.com? R&D Systems, Tocris Bioscience and ProteinSimple branded products are available to purchase through bio-techne.com. ProteinSimple branded instruments are available to quote. ACD branded products will be available on bio-techne.com in the near future. Novus Biologicals branded products are not currently available on bio-techne.com and can be found at novusbio.com.

R&D SYSTEMS Setting the standard in quality research reagents for over 30 years	NOVUS BIOLOGICALS A trusted leader in quality life science reagents	TOCRIS Your trusted supplier for innovative and high performance life science reagents	protein simple Proprietary systems and reagents for simpler, more quantitative and affordable protein analysis	ACD Proprietary iNAscope® technology capable of detecting and quantifying RNA biomarkers in situ at single molecule sensitivity	exomed_x A world leader in developing liquid biopsy based diagnostics
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What's that remind you of? 🤖

[#SpikeProtein](#) [#Exosomes](#) [#Shedding](#)

I'm betting they won't like my graphic.



WTF is all this? Holy shit. Fluorokines? Substrates...

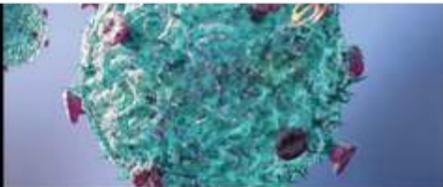
[#biotech](#) [#Biology](#) [#bioelectricalfield](#)

"Coronavirus proteases, Papain-like Protease and 3CL protease, are tested for bioactivity using biologically relevant fluorescent substrates."

randsystems.com/products/prote...

Fluorokines™ for COVID-19 Research

Check out our new Fluorokines fluorescent-labeled Spike proteins featuring Alexa Fluor Dyes. Easily detect ACE-2 expression on cells without the need for a secondary detection step. Explore Our Fluorokines™ Fluorescent-labeled Recombinant Proteins.



R&D Systems offers a range of SARS-CoV-2 proteins and other Coronavirus proteins with the same industry-leading quality specifications as our other recombinant proteins. Our SARS-CoV-2 Spike proteins exhibit high affinity binding to human ACE-2 in both ELISA and SPR. And the Coronavirus proteases, Papain-like Protease and 3CL protease, are tested for bioactivity using biologically relevant fluorescent substrates. For more detailed information about our recombinant Coronavirus proteins, visit the product pages listed below.

View frequently asked questions about our coronavirus proteins.

Spike Protein

					
Spike Protein Ectodomain S1+S2	Spike Protein RBD	Spike Protein S1 Subunit	Spike Protein S2 Subunit	Spike Protein Variants	Spike Protein Data

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ChatPDF thinks I'm on the right track!



ChatPDF_transcript_(Apr 04 2023).txt

<https://cutt.ly/D7quKf3>

[#Gates](#) [#Microsoft](#) [#Gavi](#) [#CEPI](#) [#Globalists](#) [#WEF](#) [#UN](#) [#WHO](#) [#FDA](#) [#CDC](#) [#BioethicsCommission](#)



https://www.researchgate.net/publication/358511168_What_You_Are_Not_Being_Told_This_is_Just_the_Tip_of_the_Iceberg

[#Globalists](#) [#WEF](#) [#UN](#) [#WHO](#)



Wearable NIRS Probes Monitor Brain Function

Researchers at the University of British Columbia (UBC) have tested a new tool that combines electroencephalography (EEG) monitoring of brain waves with near-infrared spectroscopy (NIRS).

<https://spie.org/news/wearable-nirs-probes-monitor-brain-function>

[#IoT](#) [#IoNT](#) [#IoB](#) [#BioNTech](#) [#Pfizer](#) [#Moderna](#) [#Bio](#) [#Nano](#)



https://www.researchgate.net/publication/358284707_DNA_CRYSTALS_NANOTECHNOLOGY_IN_COVID19_VACCINES

#UV #Fluorescence #Biological #Manipulation #WEF



#WEF #NATO2030 #Agenda2030 #UN #NWO

Yeah, they are way past "office issued" earbuds, my friends.



<https://www.sciencedirect.com/science/article/abs/pii/S0925400517322876?via%3Dihub>

#Agenda2030 #IoT #Globalists #InternetOfThings

[nsnam.org/releases/ns-3-...](https://www.nsnam.org/releases/ns-3-37/)

[nsnam.org/releases/ns-3-37/](https://www.nsnam.org/releases/ns-3-37/)

[ieeexplore.ieee.org/document/73893...](https://ieeexplore.ieee.org/document/7389342)

[.ieee.org/document/7389342](https://ieeexplore.ieee.org/document/7389342)

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[.ieee.org/document/9195889](https://ieeexplore.ieee.org/document/9195889)



ns-3.37

a discrete-event network simulator for internet systems

<https://www.nsnam.org/releases/ns-3-37/>

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Modeling the Dynamic Processing of the Presynaptic Terminals for Intrabody Nanonetworks

Experimental evidences show that: 1) the release sites from a single axon have variable release probabilities, even when the axon contacts the same postsynaptic neuron; 2) this variability in the rele...

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Beyond 5G: THz-Based Medium Access Protocol for Mobile Heterogeneous Networks

This article presents a network architecture for the next generation of MHNs, where mmW, terahertz, and conventional mW bands coexist, with cost-benefit trade-offs of each type of link. We envision a ...

<https://ieeexplore.ieee.org/document/8387213>



i-MAC: In-Body Sensor MAC in Wireless Body Area Networks for Healthcare IoT

The application of Internet-of-Things (IoT) technology in modern healthcare environment has given rise to a new paradigm known as healthcare IoT. The wireless body area network (WBAN) is one of the ba...

<https://ieeexplore.ieee.org/document/9195889>

[#Nano](#) [#Biotechnology](#) [#Globalists](#) [#InternetOfThings](#)

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sciencedirect .com/science/article/abs/pii/S0577907322002660



Quantum dot cellular automaton - Wikipedia

https://en.wikipedia.org/wiki/Quantum_dot_cellular_automaton



<https://www.sciencedirect.com/science/article/abs/pii/S0577907322002660>

[#Nano](#) [#Biotechnology](#) [#Luciferase](#) [#UV](#) [#Spectroscopy](#)

THz radio channel for Nanoscale Body-Centric Network

tinyurl.com/yvhjweyn

[pubs.acs.org/doi/abs/10.102...](https://pubs.acs.org/doi/abs/10.1021/acs.bioconjchem.9b00458)

acs .org/doi/abs/10.1021/acs.bioconjchem.9b00458



<https://pubs.acs.org/doi/abs/10.1021/acs.bioconjchem.9b00458>

[#CrimesAgainstHumanity](#) [#Pfizer](#) [#Moderna](#) [#Biohazard](#)

There's A LOT of Accessory's to Global Genocide.

They knew what they were doing.

All the way back to  then , at least. 

Numerical Analysis and Characterization of THz Propagation Channel for Body-Centric Nano-Communications 2015
 Ke Yang, A. Pellegrini, M. Munoz, A. Brizzi, A. Alomainy, Y. Hao · Physics · IEEE Transactions on Terahertz Science and Technology · 2015
 This paper presents the characteristics of electromagnetic waves propagating inside human body at Terahertz frequencies and an initial study of the system performance of nano-network. It has been... [Expand](#)
 95 · View 1 excerpt, cites methods · Save · Alert

Wireless Body Area Network

In-vivo terahertz EM channel characterization for nano-communications in WBANs 2016
 Hadeel Elayan, R. Shubair, A. Alomainy, Ke Yang · Business · 2016 IEEE International Symposium on Antennas and Propagation (APSURSI) · 2016
 This paper presents an analytical study concerning nanoscale networks operating at the Terahertz frequency. The paper investigates the **path loss and absorption coefficients of a simplified human...** [Expand](#)
 29 · View 1 excerpt, cites methods · Save · Alert

Characterising skin-based nano-networks for healthcare monitoring applications at THz 2015
 Ke Yang, Nishtha Chopra, +5 authors K. Qaraqe
 Computer Science · 2015 IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting · 2015
TLDR The optical parameter of human **skin tissues is measured using the THz-TDS system** and results show that the capacity can reach as high as Tera-bits per second at the level of millimeter, which paves the road for the application of THz wave for nano-communications. [Expand](#)
 3 · View 2 excerpts, cites background · Save · Alert

Intra-Body Optical Channel Modeling for In Vivo Wireless Nanosensor Networks 2016
 Hongzhi Guo, P. Johari, J. Jornet, Zhi Sun · Computer Science · IEEE Transactions on NanoBioscience · 2016
TLDR The result shows that, at optical frequencies, the scattering loss introduced by cells is much larger than the absorption loss from the medium, which motivates the utilization of the lower frequencies of the near-infrared window for communication in iWNSNs. [Expand](#)
 51 · PDF · Save · Alert

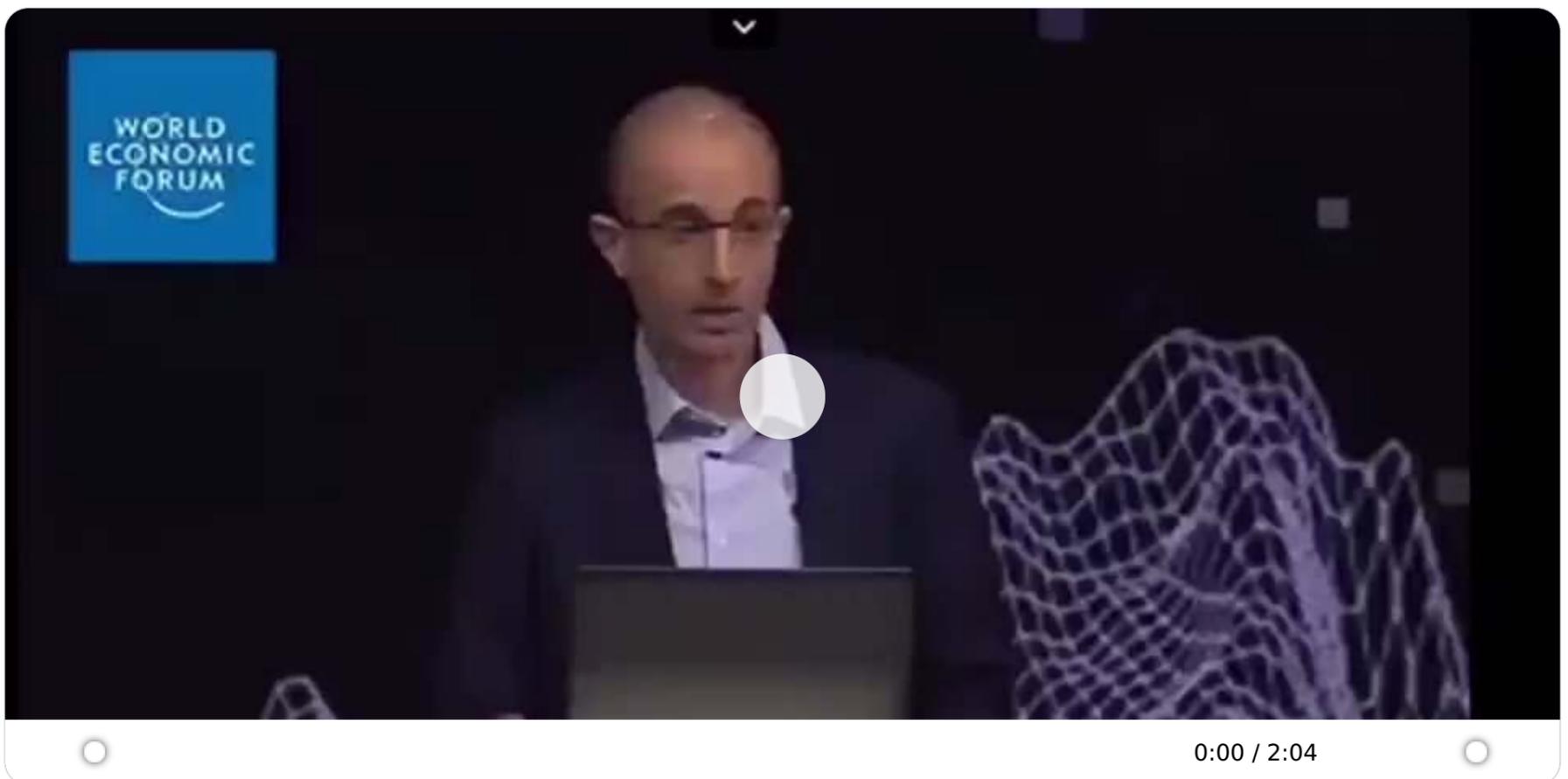
[#CrimesAgainstHumanity](#) [#Pfizer](#) [#Moderna](#) [#WEF](#)

Hacking the population?

"People should get used to the fact..."

Over my dead body.

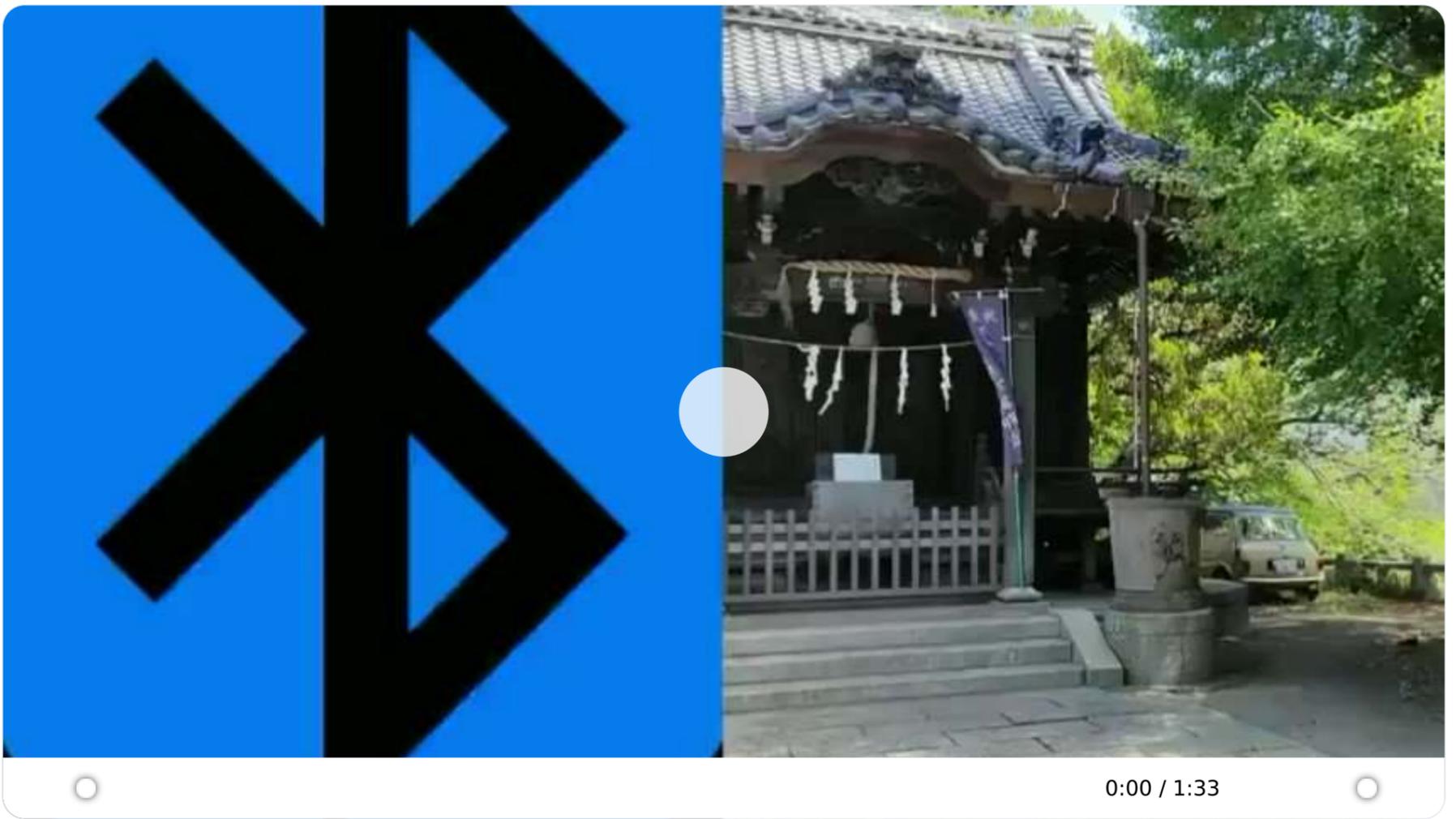
You can get used to that, you spineless fuck. 🙄



[#CrimesAgainstHumanity](#) [#Pfizer](#) [#Moderna](#) [#WEF](#)

[#Biotech](#) [#IoT](#) [#IoNT](#) [#IoB](#)

A guy in Japan has done a BLE test in an EMF isolated area.



[#CrimesAgainstHumanity](#) [#Pfizer](#) [#Moderna](#) [#WEF](#) [#Biotech](#) [#IoT](#) [#IoNT](#) [#IoB](#)

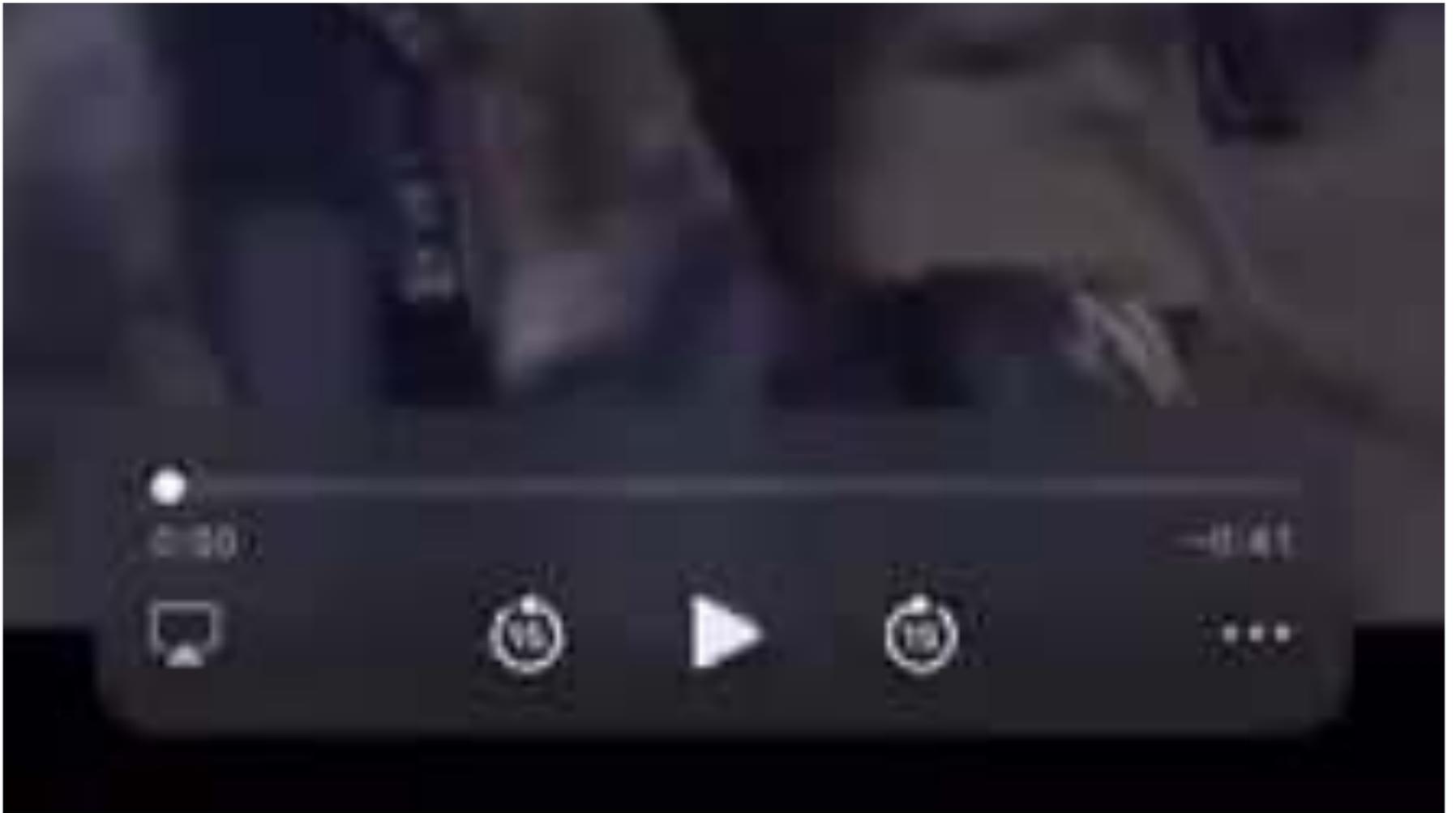
Hey, Alexa...

6:19



Tok



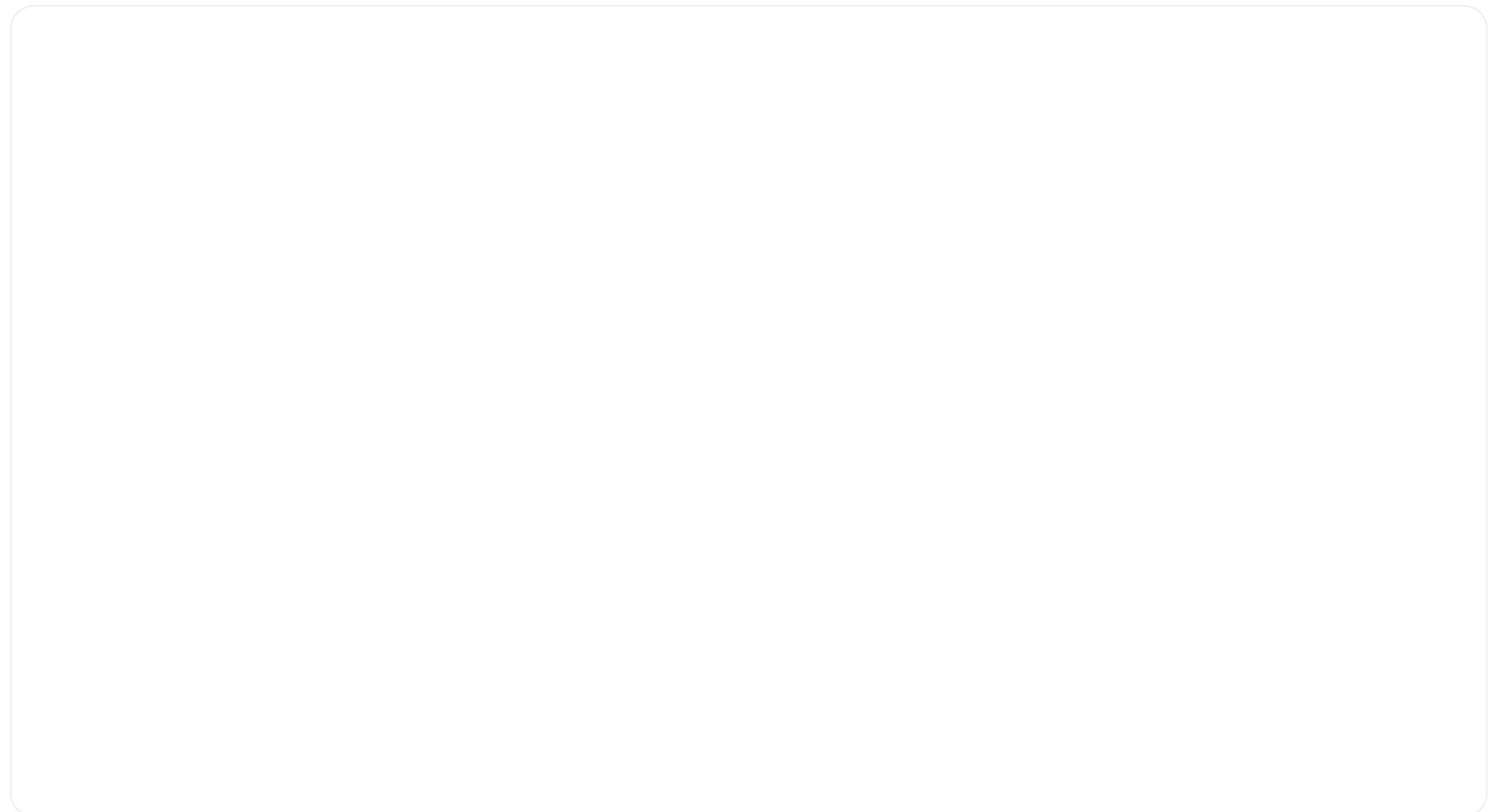


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[#WEF](#) [#Biotech](#) [#IoT](#) [#IoNT](#) [#IoB](#)

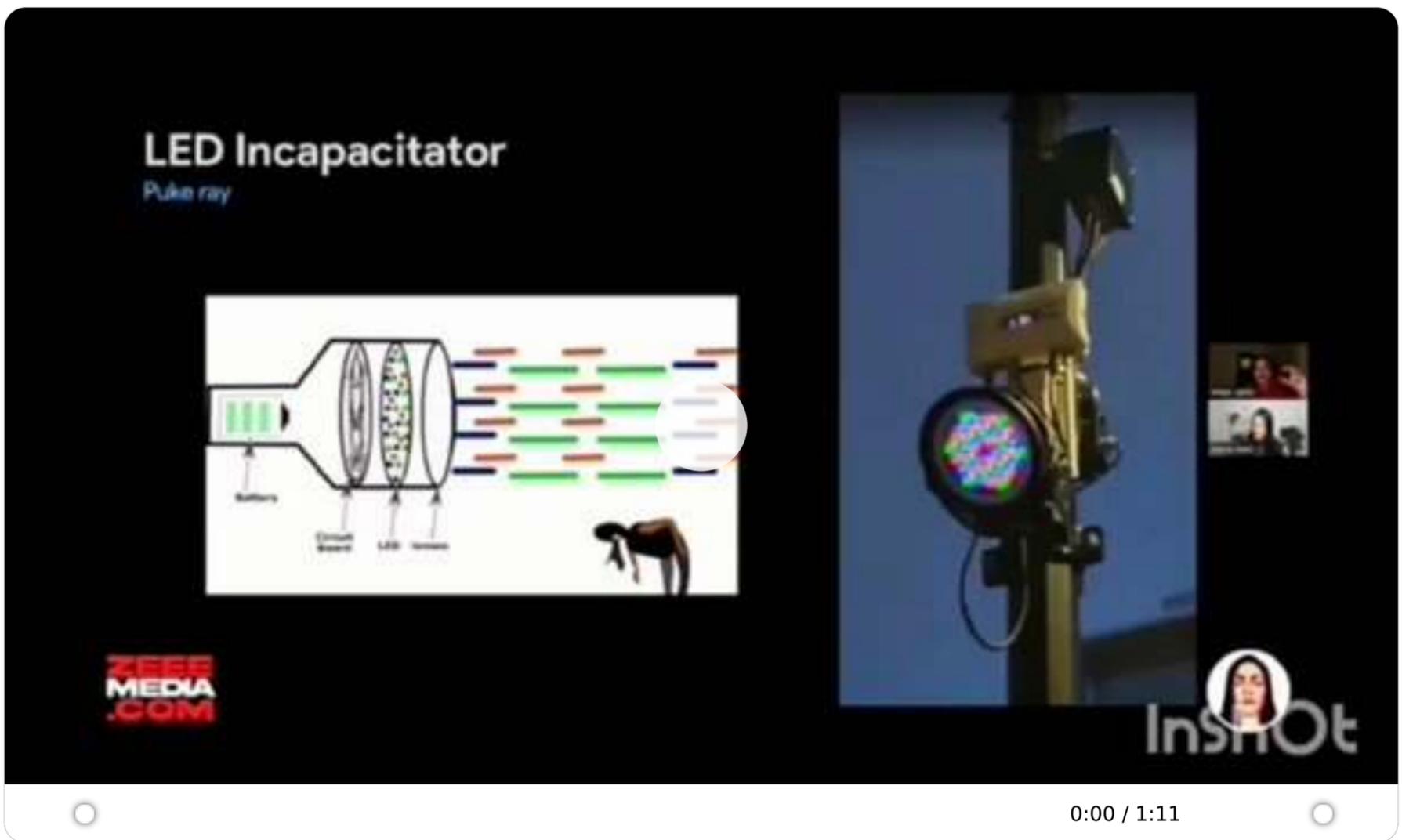
This says 11 years ago!

Did you know about these? I didn't.



[#WEF](#) [#Biotech](#) [#IoT](#) [#IoNT](#) [#IoB](#) [#LED](#) [#UV](#)





#WEF #NATO #Globalism #Agenda2030 #Biotech #IoT #IoNT #IoB #LED #SmartCity



5G and the Smart City

Discover how 5G's dependable connectivity and security is enabling a multitude of new applications for smart cities.

<https://www.telit.com/blog/5g-smart-city/>

#WEF #NATO #Globalism #Agenda2030

[telit.com/iot-custom-sol...](https://www.telit.com/iot-custom-solutions)

[telit .com/iot-custom-solution-services](https://www.telit.com/iot-custom-solution-services)

This has been in the works for over a decade, easy. Realistically, closer to two decades.

Bluetooth Beacon Device Architectures

Our Bluetooth® beacon architectures are ideal for asset tracking at scale due to their attractive low-cost, high-value profile. These small hardware devices constantly transmit Bluetooth Low Energy (BLE) signals. Bluetooth-enabled devices like IoT gateways can scan these signals, which makes the data available to the user on demand via the cloud.

Common applications and verticals include:

- Cold chain monitoring
- Tool tracking
- Equipment tracking
- Package tracking
- Pallet tracking
- Warehouses
- Logistics
- Transportation
- Construction
- Health care
- Agribusiness



Battery-Operated Tracker/Gateway Device Architectures

Tracking and monitoring the location and condition of non-powered assets will require a battery-operated device. Our reference architectures can accommodate various battery types (i.e., rechargeable, field-replaceable and disposable) and offer a wide range of lifespans (from weeks to years) depending on application and reporting interval. Adding Bluetooth, Wi-Fi or other network capabilities allow the powered device to act as a gateway that can harvest location and condition data from multiple sensor nodes.

Common applications include:

- Generators
- Tanks
- Pallets
- Packages
- Tools
- Dumpsters
- Shipping containers
- Trailers and
- Any other equipment that cannot run under its power supply

DC-Powered Tracker/Gateway Device Architectures

When tracking or monitoring assets that have an engine or onboard power supply, a powered asset tracking device is recommended. We designed our reference architectures to function if power is lost or interrupted. They have a battery that can last up to two years without power. Adding Bluetooth, Wi-Fi or other network capabilities allow the powered device to act as a gateway that can harvest location and condition data from multiple sensor nodes.

Powered asset trackers are great for applications including:

- Trailers
- Tractors
- Trucks
- Cars
- Motorcycles
- Carts
- Construction equipment
- Any other asset that has a power source but may not be on power all the time

Cellular LTE Module Security

Security is native to our hardware and designed into the industrialization process, which hardens our modules to cyberattacks. Our IoT modules are secured and personalized at the time of manufacture, enabling our IoT endpoints to leverage the security benefits.

Modules with certain chipsets feature encrypted ID, credentials and SIM functions embedded in the chip's trusted zone. The Telit ID (TID), which is injected into the module at the point of manufacture, is immutable and cannot be moved from one module to another.

The TID is used for tracking and auditing modules across different systems. Its identity information is shared securely only through our IoT platform for device management.

IoT Device and Connectivity Management

With our IoT modules, connectivity and platforms, we build customized, ready-to-launch solutions that are verified and certified. Get one-touch access to your global connectivity network with our IoT connectivity plans and management solutions. Our IoT device and connectivity tools and resources efficiently get your deployment to market, regardless of scale or stage.

With our tools, you get:

- Scalable IoT connectivity
- Global visibility
- Granular control down to the individual SIM



Telit deviceWISE®

Telit deviceWISE lets you connect your machines and enterprise software without writing custom code. This platform leverages the power of a logic engine and hundreds of native machine protocols and drivers. Once implemented, you can get near real-time bidirectional data and analysis from any machine, sensor or device. Discover how Telit deviceWISE can help you scale and future-proof your IoT solution.

Let's Build Your IoT Solution

Speak with our IoT experts to learn more about our IoT device manufacturing and supply chain management services.



Custom IoT Solution Services

Focus on building your business with custom IoT solution services that provide full-service U.S. original design manufacturer convenience.

<https://telit.com/iot-custom-solution-services/>

[#WEF](#) [#LiFi](#) [#Globalism](#) [#Agenda2030](#) [#6G](#)

"One of the most promising breakthroughs in 6G telecommunications is the possibility of Visible Light Communication (VLC), which is like a wireless version of fiberoptics, using flashes of light to transmit data."



Next-generation Wireless Technology May Leverage the Human Body for Energy | UMass Amherst

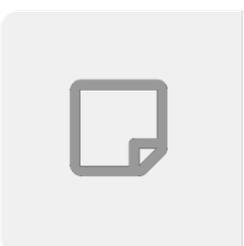
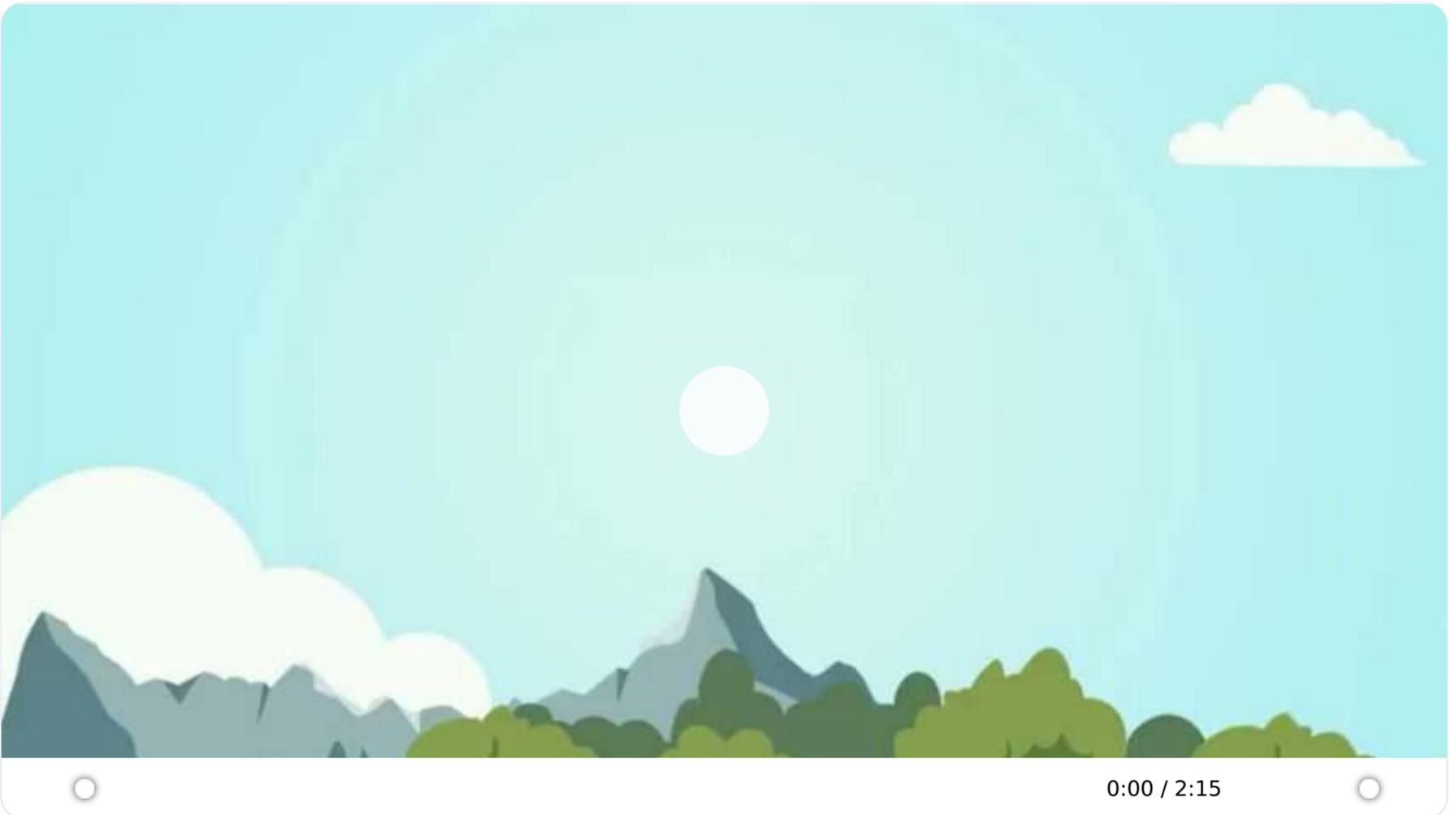
While you may be just starting to reap the advantages of 5G wireless technology, researchers throughout the world are already working hard on the future: 6G.

<https://www.umass.edu/news/article/next-generation-wireless-technology-may-leverage-human-body-energy>

[#WEF](#) [#LiFi](#) [#Globalism](#) [#Agenda2030](#) [#6G](#) [#blockchain](#)

lifi-beam.com is a 404...now.

Archive: tinyurl.com/2y4p2hsj



<https://tinyurl.com/2y4p2hsj>

[#WEF](#) [#LiFi](#) [#Globalism](#) [#Agenda2030](#) [#LoRaWAN](#) [#BLE](#) [#15MinuteCities](#) [#Surveillance](#)

milesight.com

milesight-iot.com/partner/

Milesight

Milesight is a fast-growing and innovation-driven technology company with a focus on 5G, AI, IoT and LoRaWAN. With advanced IoT insights, the company is committed to driving next-level technology innovation and business efficiencies in an actionable and locally adapted way.

Products	Solution	Innovation
Video Surveillance	Intelligent Traffic Solution	Milesight D2D
Intelligent Traffic	Smart Building	AIoT
IoT LoRaWAN® Sensor	Smart Office	LoRaWAN®
LoRaWAN® Gateway	Smart Restroom	Image Processing
IoT Controller	IAQ	AI VCA
5G & Cellular Products	Energy Efficiency	5G
Software & Platform	People Counting	Structure Design
		Heat Map



Milesight | 5G, AI, IoT and LoRaWAN

Milesight is a fast-growing and innovation-driven technology company delivering smart IoT and video surveillance products.

<https://www.milesight.com/>



Milesight | 5G, AI, IoT and LoRaWAN

Milesight is a fast-growing and innovation-driven technology company delivering smart IoT and video surveillance products.

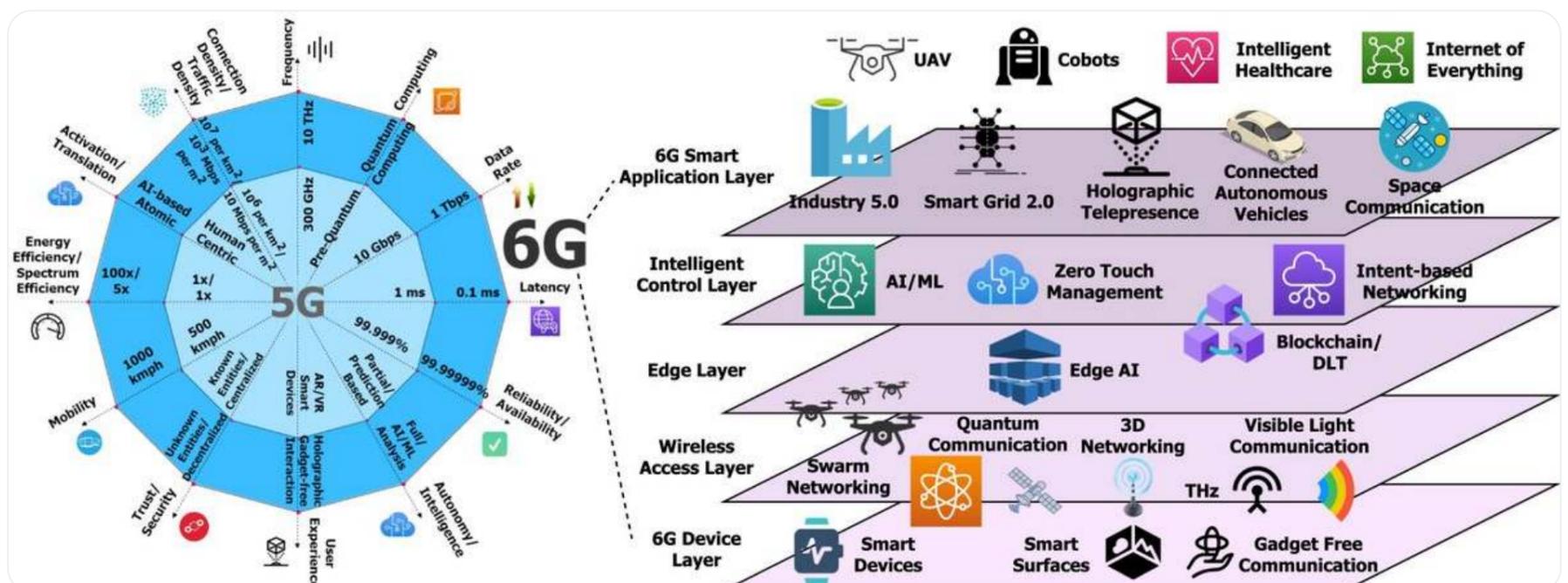
<https://www.milesight-iot.com/partner/>

[#Globalism](#) [#Agenda2030](#) [#6G](#) [#IBNs](#) [#BodyAreaNetwork](#)

Towards 6G: Key Technological Directions

[sciencedirect.com/science/articl...](https://www.sciencedirect.com/science/article/abs/S0167629623000000)

Sixth-generation mobile networks (6G) are expected to reach extreme communication capabilities to realize emerging applications..."





<https://www.sciencedirect.com/science/article/pii/S2405959522001485>

[#Globalism](#) [#Agenda2030](#) [#6G](#) [#IBNs](#) [#BodyAreaNetwork](#)

Bill Gates said "You know, since it's already in there..."

[#CrimesAgainstHumanity](#)



[#Sustainability](#) [#SmartCity](#) [#15mincity](#) [#CORONA](#) [#IoBNT](#)

Digital imprisonment via Mesh network.

What they call "Geo-fencing" 🙄

IoT in Sustainable Smart Cities for COVID-19

pubmed.ncbi.nlm.nih.gov/34540568

Survey on 5G and LPWAN-IoT for Improved Smart Cities

pubmed.ncbi.nlm.nih.gov/36016078



#Agenda2030 #WEF #NATO #IoBNT #CORONA #Nano #nanotechnology #CNTs #Graphene #network

Lots of little cross-dot connections. Oddly intriguing reading!

- ◆
- ◆
- ◆
- ◆

en.wikipedia.org/w/index.php?ti...

en.wikipedia.org/w/index.php?ti...

en.wikipedia.org/w/index.php?ti...

en.wikipedia.org/w/index.php?ti...



Fluorescence spectroscopy - Wikipedia

https://en.wikipedia.org/w/index.php?title=Fluorescence_spectroscopy



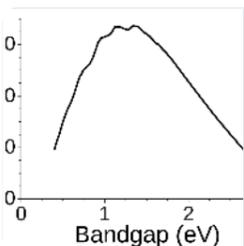
Fluorescence anisotropy - Wikipedia

https://en.wikipedia.org/w/index.php?title=Fluorescence_anisotropy



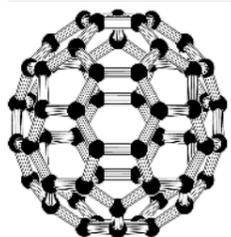
Laser-induced fluorescence - Wikipedia

https://en.wikipedia.org/w/index.php?title=Laser-induced_fluorescence



Shockley-Queisser limit - Wikipedia

https://en.wikipedia.org/w/index.php?title=Shockley%E2%80%93Queisser_limit



Potential applications of carbon nanotubes - Wikipedia

https://en.wikipedia.org/wiki/Potential_applications_of_carbon_nanotubes

#Graphene #CNTs #Nanotechnology #Nano #NanoSkin

#NeuralCloud

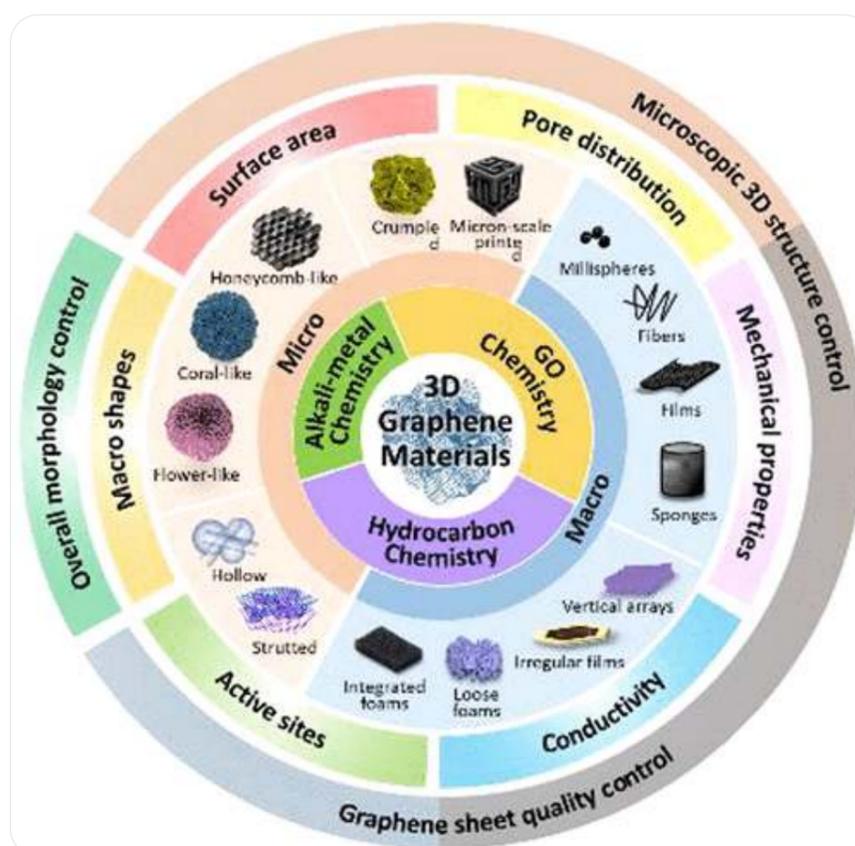
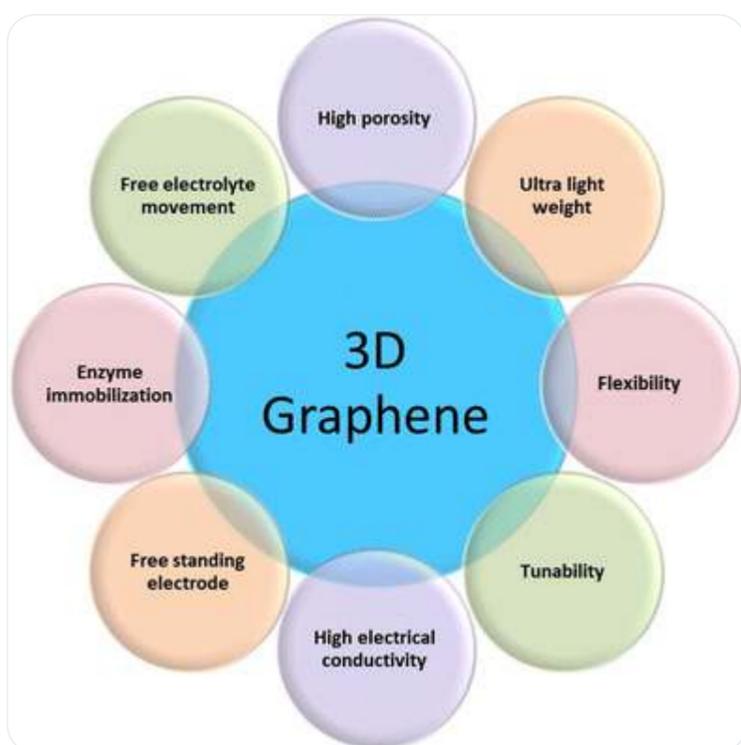
Skin Tissue Engineering!?! Neural tissue? WTF.

- ◆
- ◆
- ◆
- ◆ d.docksci.com/nanostructured...

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d.docksci.com/micrnas-in-s...

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MicroRNAs in skin tissue engineering. - PDF Download Free

35.2 million annual cases in the U.S. require clinical intervention for major skin loss. To meet this demand, the field ...

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https://d.docksci.com/micrnas-and-their-potential-therapeutic-applications-in-neural-tissue-engineer_5a49e955d64ab20acc042c4b.html

#SelfAssembling #Nanoscale #Hydrogel #Bio #Sensors #Graphene #Plasmonic #Nanoantenna



Self-Assembly of Nanostructured Materials through Irreversible Covalent Bond Formation [rumble.com/v3mtgwm-self-a...](https://www.rumble.com/v3mtgwm-self-a...)
pubs.acs.org/doi/10.1021/ac...

4. POLYMER MICRORINGS

As described in previous sections, we developed a novel synthetic method for nanometer-sized polymer hollow spheres and 2D polymer films involving shape-directed covalent self-assembly by utilizing highly symmetric flat and rigid-core building blocks with multiple polymerizable groups isotropi-

DOI: 10.1021/acs.accounts.5b00067
Acc. Chem. Res. XXXX, XXX, XXX–XXX

cally predisposed in all directions and linear linkers. Based on these results along with the aid of theoretical analysis, we determined that the isotropic orientations of multiple functional groups in the building blocks are crucial in determining the morphology of the resulting polymers. We thus anticipated that anisotropic orientations of such functional groups in a tecton with reduced symmetry might result in higher-order nanostructures with different morphology.

As conjectured, when we subjected the rectangular-shaped monomer 2,3,6,7-tetrakis(allyloxy)anthraquinone (**9**), which has four allyl groups predisposed in anisotropic directions, to ultraviolet irradiation in the presence of dithiol **2a** in tetrahydrofuran, we discovered that the resulting polymer was neither a 2D polymer nor sphere but rather a micrometer-sized hollow ring, **10** (Figure 8).²⁷ SEM and AFM studies revealed

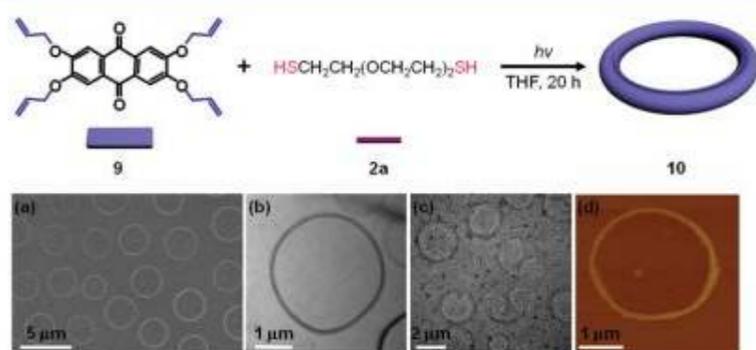


Figure 8. Synthesis of polymer microring **10** from monomer **9** and dithiol **2a**: (a) SEM, (b) HR-TEM, (c) cryo-TEM, and (d) AFM images of **10**. The images in panels a–d are adapted with permission from ref 27. Copyright 2014 Nature Publishing Group.

that the cross-linked polymer **10** consists of well-dispersed, toroidal microrings of a relatively uniform size with an average outer diameter of $2.7 \pm 0.7 \mu\text{m}$. HR-TEM indicated that the microrings were hollow toroids, and cryogenic TEM unequivocally confirmed that **10** is composed of shape-persistent toroidal microrings in solution.

We investigated the role of monomer concentration in controlling the size of the microrings. In a microring-forming concentration range, the outer diameter of the microrings became smaller while the cross-sectional diameter became larger as the initial monomer concentration increased. To understand the formation mechanism of microrings, we monitored the reaction by SEM. A series of SEM images taken during the reaction revealed that the formation of ellipsoidal 2D patches was followed by the rolling-up of the patches in a longitudinal direction. Afterward, the straight rolled tubes bent down to form arc-shaped tubes and grew further to become hollow nanotubular toroids. Based on these results, we hypothesize that the rectangular shape of the monomer directs the ellipsoidal patches to roll up as a nanotube, which then bends back on itself to form an energetically stable microring

(Figure 9). The formation of hollow nanotubular toroids was also investigated by theoretical studies.²⁷ Based on energetic considerations, the toroid formation from a linear tube is spontaneous. Similar to the case of hollow spheres as discussed above, the energy dictates the formation of fewer larger rings, whereas the entropy favors the formation of more smaller rings. The distribution of ring size is determined by minimizing the free energy of the system.

The facile, one-pot synthesis of such a topologically interesting structures may provide a unique opportunity to

Article

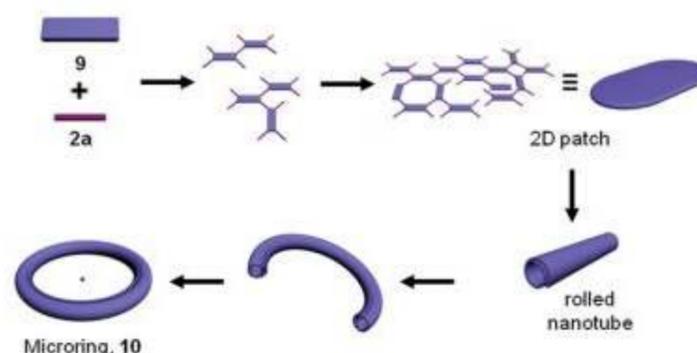


Figure 9. Proposed formation mechanism of microrings. Adapted with permission from ref 27. Copyright 2014 Nature Publishing Group.

investigate their fundamental physical properties and discover novel applications. For example, these microrings with a hollow nanotubular rim could be used as microring resonators, which have a wide range of applications including signal processing filters, sensors, and modulators.⁴⁶ Also, the encapsulation of electrochemically or magnetically active molecules such as fullerenes may allow the nanotubular microrings to be a versatile platform for oscillators and composites with novel electromagnetic properties.⁴⁷



<https://pubs.acs.org/doi/10.1021/acs.accounts.5b00067>



Self-Assembling Nanoscale Hydrogel Bio-Sensors

Microscopy of Self-Assembling Nanoscale Hydrogel Bio-Sensors

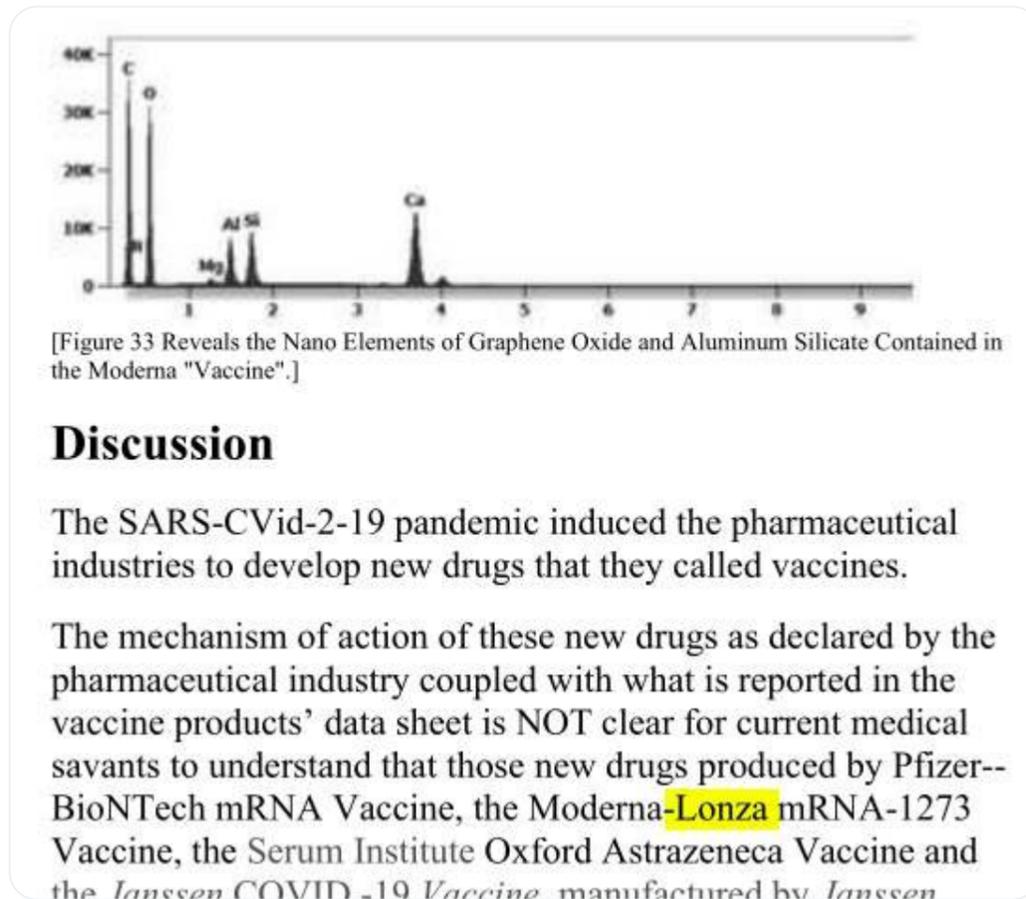
<https://rumble.com/v3mtgwm-self-assembling-nanoscale-hydrogel-bio-sensors.html>

So, I'm looking over again, and I spot "#Moderna-Lonza"...

I've never seen that. Lonza. Then I think... if #Bio-#Nano-#Things is #BNT162... Leave the capital L and reverse the lower-cased letters and what do I find?

🤔 modulate.us.to/jsonurl/index...

google.com/search?q=lazno...



<https://www.google.com/search?q=lazno+nanoparticles>

#Graphene #Nanotechnology #IoBNT #DCCORONA #CORONA #Pfizer #Moderna #Gates #Fauci #EcoHealth #WEF #CEPI #KlausSchwab #YuvalNoahHarari #IoB

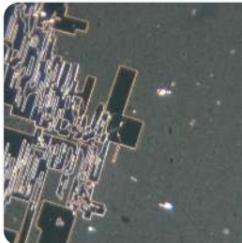
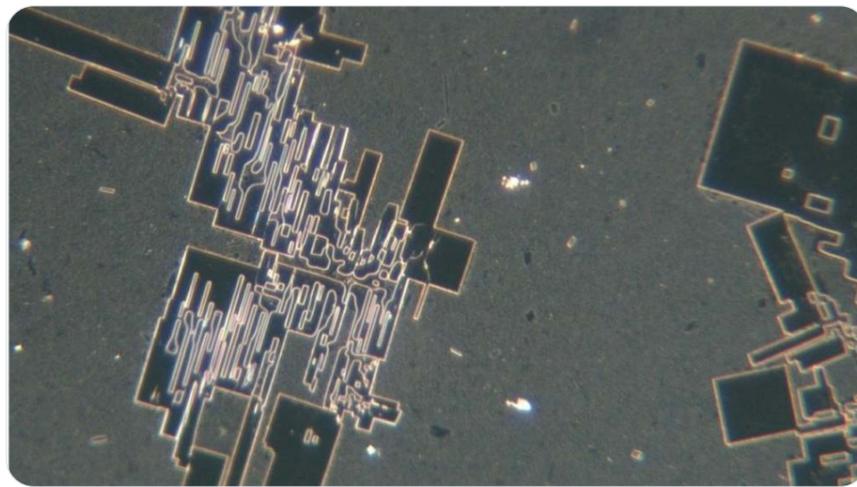
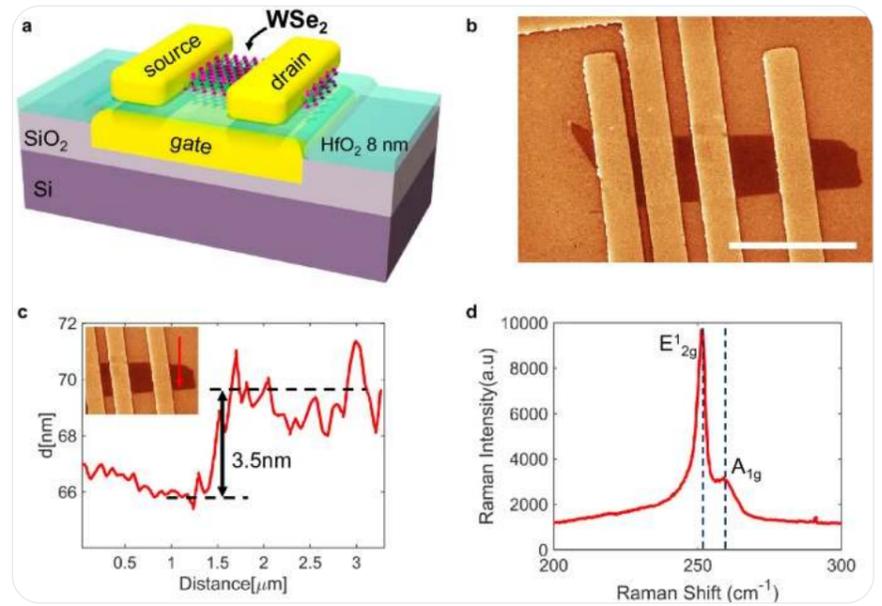


Improvements in 2D p-type WSe2 transistors towards ultimate CMOS scaling nature.com/articles/s4159...

modulate.us.to/jsonurl/index...

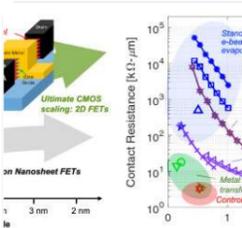
Improvements in 2D p-type WSe₂ transistors towards ultimate CMOS scaling

P-type conduction in 2D FETs can be achieved using a variety of techniques, including contact engineering, chemical doping, and/or electrostatic doping. Our work uses a transfer length method (TLM) structure to demonstrate p-type devices with few layer (3–5 layer) WSe₂ channels. These are designed and fabricated with a high-K metal-gate (HKMG) stack featuring 8 nm of either Al₂O₃ or HfO₂ gate dielectrics. High work function (WF) metal contacts were used to facilitate the injection and conduction of positively charged carriers (holes) into the WSe₂ channels. This is enabled through the suitable alignment of metal contact Fermi levels with the edge of the valence band in the semiconducting channel. This work presents results on devices with Pt (WF of 5.65 eV)²⁷ and Pd (WF of 5.22 eV)²⁷ metal contacts. A 3D schematic of the TLM structures is shown in Fig. 2a. In brief, a gate-first technique was used to fabricate FETs with HKMG stacks and various channel lengths on a TLM configuration (See “Methods” and Supplementary Fig. 1 for fabrication details). As shown by previous work²⁸, the gate-first approach can lead to improved 2D FET uniformity, channel mobility, and subthreshold swing. Our gate-first HKMG process includes patterning and deposition of a Cr/Au metal gate (e-beam lithography, evaporation, and lift-off) followed by atomic-layer deposition (ALD) of the high-K dielectric (8 nm Al₂O₃ or HfO₂). The thickness and relative permittivity of the ALD dielectrics are verified by non-contact atomic force microscopy (AFM) and capacitance measurements (see Supplementary Figs. 2 and 3). Once the gate stack is in place, a



New Zealand scientists have found nanotech in the shots?

https://modulate.us.to/jsonurl/index.php?alias=smr_nz1

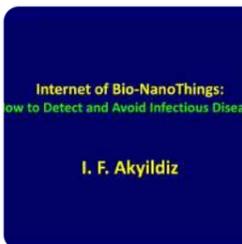


Improvements in 2D p-type WSe₂ transistors towards ultimate CMOS scaling - Scientific Reports

<https://www.nature.com/articles/s41598-023-30317-4>

#Graphene #Nanotechnology #CORONA #Pfizer #Moderna #KlausSchwab #YuvalNoahHarari #IoB #HackableHumans

BIO-NANO-THINGS & IN-VIVO NANO NETWORKS (PROF. IAN F. AKYILDIZ)



BIO-NANO-THINGS & IN-VIVO NANO NETWORKS (PROF. IAN F. AKYILDIZ)

StudioJfm.com THE WAYSEER MANIFESTO <https://www.bitchute.com/video/6CFb9dumKnfa/> THE COLLAPSE OF THE AMERICAN DREAM EXPLAINED IN ANIMATION <https://www.bitchute.com/video/Fv2KwXbxjOIL/> KHAZARIAN MAF... <https://www.bitchute.com/video/zz1VQKkj7w59>

...