Bio-Technology

Prepared by Roger Golden Brown
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Introducing the first BFS-enabled “soft” syringe, A better way to inject and track vaccines and medications. - ApiJect

ApiJect Approved for $590 Million Loan from the U.S. International Development Finance Corporation, November 19, 2020

A Syringe Electrode Device for Simultaneous Injection of DNA and Electrotransfer

Edible Vaccines - Promises and Challenges, November 22, 2019 - Vrinda M Kurup, Jaya Thomas

Technologies To Address Global Catastrophic Biological Risk, 2018 - Johns Hopkins

(*Self Spreading Vaccines*, p.47)

Ferritin Nanoparticle Compositions And Methods To Modulate Cell Activity, September 29, 2020 - Rockefeller University Patent

Cell-Mediated Delivery and Targeted Erosion of Noncovalently Crosslinked Hydrogels, April 9, 2013 Patent

'Hydrogel-based flexible brain-machine interface', July 13, 2021 - ScienceDaily

"*The interface is easy to insert into the body when dry, but behaves 'stealthily' inside the brain when wet*."

Cognitive Warfare, a Battle for the Brain - Francois du Cluzel

Wireless Body Area Networks- Challenges, Trends and Emerging Technologies

Wireless Body Area Networks - A New Paradigm of Personal Smart Health - The Institute of Electrical and Electronics Engineers, Smart Cities

Wireless Body Area Network - An Overview and Various Applications

Wireless body area sensor networks based human activity recognition using deep learning

The Human Use of Human Beings, Cybernetics and Society - Norbert Wiener,1950

Cybernetics, or Control and Communication in the Animal and the Machine - Norbert Wiener

In Vitro Metabolic Engineering On Microscale Devices - DARPA Patent

mRNA Vaccines - Disruptive Innovation in Vaccination, May 2017 - Moderna

HPIV3 RNA Vaccines Patent Application, March 28, 2019 - Moderna

Lipid-Based Nanoparticles - Application and Recent Advances in Cancer Treatment

Lipid nanostructures for targeting brain cancer

mRNA vaccine delivery using lipid nanoparticles, April, 2016 - MIT

Two Images demonstrating the exotic technology, from the above PDF:
Figure 1. Lipid nanoparticles protect mRNA from degradation, and facilitate endocytosis and endosomal escape.
Figure 2. Antigen presentation on MHC I and II pathways in dendritic cells.

A SARS-like cluster of circulating bat coronaviruses shows potential for human emergence, Ralph Baric

A Direct Brain to Brain Interface

Biodefense in the Age of Synthetic Biology - the National Academy of Sciences, 2018

Biodefense in the Age of Synthetic Biology - 22 page Overview

Biodefense in the Age of Synthetic Biology - Highlights

Biodigital Today and Tomorrow - Policy Horizons, May 31, 2022 - Canada

Graphene Quantum Dots as Universal Fluorophores and Their Use in Revealing Regulated Trafficking of Insulin Receptors in Adipocytes

Apeel Sciences GRAS Notice Submission for a Mixture of Monoacylglycerides Derived from Grape Seed

Apeel Technology, Inc. Organipeel Notice of Pesticide Registration

Apeel Sciences Ingredient Standards

United States Apeel (Edipeel ™) Product Information Sheet

Food for Thought The Protein Transformation - Boston Consulting Group & Blue Horizons, March 2021