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Zika: Why Biotechnology is Imperative to National Security. Analysis of Genotype Specific Bioweapons

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When we think of national security, we think of tanks, jets, missile defense systems and more recently, information space. But what about the realm of the microscopic, the biological or the genetic?

Whether you think biotechnology, genetics and microbes constitute another plane upon the modern battlefield or not is irrelevant. Someone else already does, and they have a head start on the rest of the world.

Genotype Specific Bioweapons

The Project for a New American Century or PNAC for short, penned a particularly unhinged policy paper in 2000 titled, "Rebuilding America's Defenses: Strategy, Forces and Resources For a New Century."

In it, among many other things, it specifically writes:

> Although it may take several decades for the process of transformation to unfold, in time, the art of warfare on air, land, and sea will be vastly different than it is today, and "combat" likely will take place in new dimensions: in space, "cyber-space," and perhaps the world of microbes.
>
> ...advanced forms of biological warfare that can "target" specific genotypes may transform biological warfare from the realm of terror to a politically useful tool.

Advanced forms of biological warfare that can "target" specific genotypes sound like the stuff of science fiction, and even if it were developed, it would be by the "bad guys," right?

Wrong. As a matter of fact, the Western-backed apartheid government in South Africa in the 1980's under Project Coast, attempted to create genotype specific bioweapons aimed at sterilizing the nation's black women. PBS Frontline's article, "What Happened in South Africa?" would recount:

> In 1998 South Africa's Truth and Reconciliation Commission held hearings investigating activities of the apartheid-era government. Toward the end of the hearings, the Commission looked into the apartheid regime's Chemical and

> Biological Warfare (CBW) program and allegations that it developed a sterility vaccine to use on black South Africans, employed toxic and chemical poison weapons for political asssassination, and in the late 1970s provided anthrax and cholera to Rhodesian troops for use against guerrilla rebels in their war to overthrow Rhodesia's white minority rule.

While South Africa's entire CBW program was abhorrent, what is particularly frightening is the use of South Africa's national vaccination program as a vector for infecting black women with viruses meant to sterilize them. Now that vaccination programs are being pushed globally, there lies the danger that such weapons could be used against entire regions of the planet.

PBS would elaborate further on the CBW program, stating that the South African government:

> Developed lethal chemical and biological weapons that targeted ANC [African National Congress] political leaders and their supporters as well as populations living in the black townships. These weapons included an infertility toxin to secretly sterilize the black population; skin-absorbing poisons that could be applied to the clothing of targets; and poison concealed in products such as chocolates and cigarettes.

PNAC's dream of genotype specific bioweapons then, is not some far-off science fiction future, it is something that has been pursued in earnest for decades, and apparently by interests aligned to the West, not enemies of it.

Zika and GM Mosquitoes

Though it is so far impossible to confirm a link between the two, it is troubling nonetheless to see the mosquito-transmitted Zika virus spreading in Brazil precisely from where GM (genetically modified) mosquitoes were released several years ago.

A 2012 entry in Nature titled, "Brazil tests GM mosquitoes to fight Dengue," would report:

> Scientists in Brazil say an experiment to reduce populations of the dengue-carrying Aedes aegyptimosquito, by releasing millions of genetically modified (GM) insects into the wild, is working.
>
> More than ten million modified male mosquitoes were released in the city of Juazeiro, a city of 288,000 people, over a period of time starting a year ago.

The US CDC (Center for Disease Control) would report that Zika virus cases in northeast Brazil were first officially recognized in early 2015, with international hysteria finally reached early this year. The cases seem most concentrated in the Brazilian state of Pernambuco, upon the borders of which the city of Juazeiro lies.

What could have happened between 2011 and 2016 that might have led to this development? Could the GM mosquitoes designed to stamp out dengue have mutated in some unpredictable way? And could this experiment have caused the Zika virus itself to mutate in an unpredictable way? It already has mutated once, allowing it to spread among humans more prolifically.

Or what if GM mosquitoes supposedly meant to wipe out dengue were serving as a vector for something else entirely? We can only imagine the sort of stories, excuses and feigned ignorance the South African government would have conjured had its genotype specific bioweapons worked, and black women began turning up sterilized in huge numbers after receiving their "vaccines."

Mosquitoes as a Vaccine Vector

Using mosquitoes as a vector to deliver engineered genetic material to humans as a sort of involuntary, inescapable "vaccine" is already a reality. The London Telegraph in its article, "Genetically modified mosquitos could be used to spread vaccine for malaria," reported in 2010 that:

> Experts believe "flying vaccinators" could eventually be a radical new way of tackling malaria.
>
> The new approach targets the salivary gland of the Anopheles mosquito.
>
> Scientists in Japan have engineered an insect producing a natural vaccine protein in its saliva which is injected into the bloodstream when it bites.
>
> The "prototype" mosquito carries a vaccine against Leishmania, another potentially fatal parasite disease spread by sand flies.

And if mosquitoes can naturally deliver viruses, and scientists can alter what mosquitoes carry and infect hosts with, it is possible to engineer viruses to deliver virtually anything into targeted populations much in the same way viruses are re-engineered into vectors in labs today through a process called *gene therapy*. In the wrong hands, this technology and these techniques could become terrifying weapons.

For those in the middle of the Zika virus hysteria, perhaps it already has.

How Could They? Why Would They?

To answer *"how could they possibly do something so diabolical?"* we need only think back to 2003 and recall how the United States intentionally lied to the world, then between its initial invasion and subsequent occupation of Iraq, killed upward to a million people. This includes several thousand of its own soldiers and civilians, many of whom it appears were killed by militants armed and funneled into the country by the United States' closest regional allies, with the US' resolute backing.

To answer *"why"* American and European special interests seek to render any particular population sick, weak and they and/or their offspring incapable of perpetuating a viable civilization, PNAC itself sums it up quite clearly:

> The United States is the world's only superpower, combining preeminent military power, global technological leadership, and the world's largest economy. Moreover, America stands at the head of a system of alliances which includes the world's other leading democratic powers. At present the United States faces no global rival. America's grand strategy should aim to preserve

and extend this advantageous position as far into the future as possible.

A population racked with birth defects, diminishing health and IQs and a lack of physical vitality constitutes the enemy every hegemon throughout history has dreamt of facing both on the battlefield and upon the grand chessboard of geopolitics.

Whether the Zika outbreak is linked to some insidious biowarefare program, an experiment gone wrong or simply the forces of nature, it showcases the danger biology can pose and reminds us of what greater dangers may yet await us if we do not properly prepare and protect ourselves.

Domestic Biotech is Imperative to National Defense

It has been almost painful to watch the rest of the world attempt to catch up to the United States and Europe in the information war. For decades the West dominated information warfare without contest.

Only now have nations like Russia, China, Iran and others finally caught up and in some cases exceeded Western capabilities. Only now are nations finally investing seriously in information and cyber warfare capabilities. Only now does it seem that nations realize the folly of depending on others for both information, and information technology.

Russia recently decided to switch to local computer processor manufacturers to run on all computers used for official business. This is because foreign corporations making processors imported into the Russian Federation had been apparently compromised on the factory floor with the cooperation of these foreign corporations by US intelligence agencies.

We can easily imagine the danger of having US intelligence agencies getting into Russia's IT infrastructure through these backdoor passes. It doesn't take much imagination to think about the trouble US intelligence agencies could cause if they could get inside Russia's human, natural and agricultural genomes.

Developing a viable domestic biotech industry is not only a matter of economic prosperity, but clearly also a matter of vital national security. Foreign corporations should no better be able to access a nation's "genetic code and files" than it can its computer code and files. After all, genetic information is not entirely unlike digital information.
Brazil and other nations that have invited foreign biotech corporations to meddle with their human, natural and agricultural genomes are likened to those nations who hand their vital infrastructure over to foreign interests only to find out through Wikileaks years later the sort of invasive spying, abuses and other means of self-serving treachery this access has been exploited for.

Let's not wait for Wikileaks to tell us 10 years from now just how bad the nations of the world had been infiltrated and exploited through biotechnology before we recognize this industry as absolutely vital to national security and begin investing in it domestically, rather than outsourcing it overseas.

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