

in [HOMEPAGE](#) · [REBELS IN SCIENCE](#)

Why This Yale Scientist Believes the **TIMING of Vaccines is Harming Our Children**





Heather Zwickey, a Yale-trained scientist, explains why too many vaccines too soon may not be immunologically optimal for children. Photo via Ohio Parkinson Foundation Northeast Region.

Heather Zwickey, a Yale-trained scientist who is currently Dean of Research and Graduate Studies at the National University of Natural Medicine and Director of the Helfgott Research Institute, has done original research to develop vaccines. Zwickey earned her Ph.D. in immunology and microbiology from the University of Colorado Health Sciences Center, and did a postdoc at Yale Medical School.

When I interviewed her while doing research for one of my books, Zwickey explained that she was staunchly in favor of some kind of vaccine program. Her scientific concerns are not about vaccines in general, but about the **timing of the current childhood vaccine program**.

Zwickey explained why: A newborn's immune system can't mount an effective response to diseases or to vaccines because it is protecting the baby's brain, which would be damaged by a full-fledged immune reaction. So newborns rely on their mother's antibodies, which they get in **breast milk**, to give them the immune cells and proteins needed to combat infections.

It's not until the brain is more developed—probably between nine and twelve months of age—that a human baby can mount an effective immune response.

Mild, general immune responses

What this means is that until between nine and twelve months, the baby has only mild, general immune response (the scientific name for this is a TH2 response), the sort we associate with allergies, but which doesn't tailor any of the special white blood cells (called TH1 cells) to respond to a specific bacterium or virus.

After twelve months, however, the baby's brain is better able to handle a stronger reaction, and the immune system's full range begins to come online.

A baby's short-lived and immature immune response is the reason we have to give so many doses of any given vaccine in the first few months of life.

Any vaccines that doctors give before a baby is a year old need another dose given at or after twelve months.

Why?

Because the immune system didn't really *learn* anything from doses given before then, Zwickey explains.

This dovetails with what other *medical professionals* have told me.

In nursing school, Michele Pereira's instructors informed students that from an immunological standpoint it would be better to give vaccines to children when they are past infancy.

But **since parents less reliably bring children over a year old to the pediatrician, the best way for public health officials to ensure high levels of vaccinated children is to vaccinate them as early as possible.**

But what if what's easy and convenient for doctors and public health officials is *not what's optimal for our children?*

Early vaccination is not immunologically optimal

Zwickey explains that **early vaccination makes sense from a public health perspective but it is not immunologically optimal.**

It's only after about twelve months that the immune system is sufficiently mature to have a memory. That is, a baby can develop antibodies in response to a vaccine, and these antibodies will stay in the bloodstream without needing booster after booster.

"Everyone who studies human immunology knows that the TH1 response doesn't come up until the end of the first year of a human baby's life," she says.

But the timing of childhood vaccines may not be their only drawback.

After twelve months, when the body *can* mount a specific response, there's another problem.

In a normal infection, the bacteria or virus would be living in your body and excreting something that makes you sick.

Your body would then recognize that a foreign substance was making it sick, so it would react to get rid of it by mobilizing a whole system to attack whatever foreign protein it doesn't recognize in the system.

TH1 cells are specifically keyed to lock on to foreign proteins to form a chemical bond to kill the bacteria or virus. The garbage (the used-up T cells and the killed bacteria or virus) is then excreted—sometimes with great force into the porcelain goddess (if you're lucky and your child doesn't miss).

With a vaccine the response is similar:

The body finds the toxin in the vaccine and looks for a foreign tissue to glom on to. B

ut because the bacteria or virus has to be disabled (the scientific word for this is "attenuated," which means weakened) in a vaccine, so as not to give a child the very disease the vaccine is intended to prevent (which happened so much with polio and pertussis whole-cell vaccines that both were taken off the market and reengineered), the body may not react to them at all.

So vaccine makers need to put something in the vaccine that the body recognizes as foreign in order to provoke an immune response.

This extra something is called an “adjuvant.”

Aluminum is adjuvant of choice.

Most attenuated viruses and bacteria are too weak to stimulate a strong immune response.

So in order to make a stronger response, aluminum is added to many of the childhood vaccines.

Aluminum adjuvants prime the body to attack itself

The body reacts to aluminum because it recognizes it as a poison, but the **immune system can't attack aluminum**.

Instead it treats the foreign aluminum like an allergen, and makes a TH2 response.

If babies have a lot of aluminum in their bodies, they will be making a large TH2 response, and that response will spread to additional things the baby is exposed to that are actually harmless, like pollen, cat dander, or even food.

So aluminum in vaccines makes it more likely that a baby will develop allergies.

One study done in Canada showed that **when vaccinations were delayed until the babies' systems were mature enough to mount the TH1 response, children developed asthma at significantly lower rates.**

Another study has shown that children exposed to wild measles virus have lower rates of allergies than children who are vaccinated against measles.

But the most worrisome part is that the immune system can sometimes mistakenly identify *the body's own cells* as foreign, causing the body to attack itself.

When the body inappropriately attacks its own proteins, a child develops an autoimmune disorder.

There has been a plethora of peer-reviewed scientific research published since I interviewed Zwickey showing that aluminum in vaccines should be a significant cause for concern.

If you're interested in this question, [this July 2018 article](#) and [this January 2020 commentary](#), "An Aluminum Adjuvant in a Vaccine is an Acute Exposure," are two excellent places to begin.

Could over-vaccination be a factor in autoimmune disease?

There has been a [sharp rise in autoimmune disorders](#) among children since the 1950s.

One study found that cases of type 1 diabetes among children under five increased fivefold between 1985 and 2004.

(For more on diabetes, read Dan Hurley's [Diabetes Rising: How a Rare Disease Became a Modern Pandemic](#).)

Graves' disease, once unheard of in children, is becoming common.

Other autoimmune disorders on the rise in American children include:

- Asthma
- Allergies
- Crohn's disease
- Atopic dermatitis

One 2008 epidemiological study found that infant immunization leads to a statistically significant increase in type 1 diabetes in children.

Some leading immunologists, including Jean-François Bach, professor of immunology and head of the immunology unit at Necker Hospital, Paris's most renowned children's hospital, hypothesize that increased immunizations, which have in turn led to a decrease in the circulation of infectious diseases for the body to respond to, may be partly responsible for the exponential rise in autoimmune disorders.

Larry Palevsky, M.D., a pediatrician based in New York, shares Zwickey's concern that we are doing long-term damage to our babies' immune systems.

"Fatal allergies and autoimmune diseases are exponentially on the rise in our country," Palevsky tells me.

"That's not anecdotal. You can't look at this rise and not look at the fact that we are instigating a change in the immune system that could potentially be the catalyst for the development of these diseases."

The nervous system and the immune system go hand in hand

Although Heather Zwickey fully supports some kind of national vaccination program, she has a further concern that **early immunizations can and do cause neurological damage in some susceptible children.**

“The nervous system and the immune system go hand in hand,” Zwickey explains.

“Physiologically we’re designed to be protected by **breast milk** until we mature enough to mount an effective response without harming our brains.

“Like naturally occurring infections, vaccines can lead to dangerously high fevers in babies.

“If you have a vaccination—or any infection that makes a baby spike a high fever in the first year—it can lead to all sorts of brain disorders, including schizophrenia, bipolar disorder. It’s dangerous to a developing brain.”

Author’s Note: This article is a web-formatted modified excerpt from my book *Your Baby, Your Way: Taking Charge of Your Pregnancy, Childbirth, and Parenting Decisions for a Happier, Healthier Family* (Scribner, 2015). If you want to learn more about the safety, efficacy, and necessity of childhood vaccines, check out the chapter, “Boost Your Bottom Line: Vaccinating For Health or Profit,” as well as my co-written book about vaccines, *The Vaccine-Friendly Plan*.

Published: November 7, 2017

Updated: October 29, 2019

About Jennifer Margulis, Ph.D.



Jennifer Margulis, Ph.D., is an investigative journalist, book author, and Fulbright awardee. She is the author of *Your Baby, Your Way: Taking Charge of Your Pregnancy, Childbirth, and Parenting Decisions for a Happier, Healthier Family*, co-author (with Paul Thomas, M.D.) of *The Vaccine-Friendly Plan*, and *The Addiction Spectrum: A Compassionate, Holistic Approach to Recovery*. Follow her on [Facebook](#), [Twitter](#), and [Pinterest](#). Watch her in the series, *The Truth About Vaccines*.

5 COMMENTS

« WHEN ANGER RISES, WHAT'S NEXT?

ONE IN 500 NEWBORNS EXPERIENCE ACUTE COMPLICATIONS FROM CIRCUMCISION »

Comments



PATRICK MCGEAN *says*

NOVEMBER 9, 2017 AT 9:23 AM

Why vaccinate? Name one instance where vaccines saved a single human life? Meanwhile seven million children and 30 million seniors are vaccine damaged. Autism or Alzheimer's is still being lost in your own mind do to the heavy metals which build up in the blood brain barrier of man prevent the left brain from communicating

with the right brain. Amyloid plaque which Dr. Rudy Tanzi found in the brains of those dead from Alzheimer's. 1992 Noble Prize. Aluminum may be ok for lighter weight but in the brain it is a very pernicious heavy metal introduced to vaccines because mercury is so deadly, another heavy metal. Simple do not vaccinate!

NO VACCINE HAS EVER WORKED, but every vaccine causes neurological damage and that cost DR. Andrew Moulden his life. Murdered for telling the truth.

Organic sulfur a crystal food can clear the blood brain barrier of man and child of the heavy metals of high priests of science and medicine and those lost in their own minds can come back.

<http://www.americanvoiceradio.com/thesulfurhourplusone>, 9 Nov 2017, 6 to 8 pm Pacific time.

Patrick McGean
Director
Cellular Matrix Study
801-931-1812

Reply

mary breslin says

NOVEMBER 10, 2017 AT 5:23 AM



I appreciate your perspective and am enjoying reviewing the information presented. I'm a little concerned getting started as in the article you said, "One study done in Canada showed that when vaccinations were delayed until the babies' systems were mature enough to mount the TH1 response, children developed asthma at significantly lower rates." But that's simply not the whole truth of that paper. The paper also says, "It is premature to make recommendations until these findings have been confirmed with the DaPT vaccine, and the benefits of altering immunization schedules need to be weighed against the risks." Furthermore, "Our study offers hypotheses regarding the timing of immunization and the development of this common childhood disease." It's disappointing to have someone with your research education and experience not present the whole facts to your readers, who likely would not be able to assess these papers as you could. I think that is a huge problem today with people throwing research around who really have not read or understood the study. I think you do understand the research but would suggest you present a fuller review to your readers. Thank you

Reply



ERWIN ALBER *says*

NOVEMBER 16, 2017 AT 8:11 AM

The point is surely that the study showed that delaying the shots lowers the risk of asthma, just as delaying the MMR vaccine lowers the risk of autism.

Far too many people unfortunately still believe the lie that vaccination is a form of disease prevention and so allow their babies and children to be vaccinated in accordance with the government-recommended vaccine child poisoning schedule. They don't realise that vaccination is actually a form of biochemical warfare aimed at civilians and therefore bioterrorism dressed up as a public health measure by means of junk science.

Reply



ERWIN ALBER *says*

NOVEMBER 16, 2017 AT 8:15 AM

Thanks for the informative article!

Even if vaccinations were of any benefit (they are not), vaccinating a child below the age of one is a complete waste of time and is unnecessarily putting infants at risk of vaccine-related reactions, illnesses, disorders, disabilities and death.

<https://www.vaccinationinformationnetwork.com/immunologist-says-infants-vaccinated-only-to-train-parents/>

Reply



E.A. GREENHALGH says

NOVEMBER 22, 2017 AT 5:28 PM

this is interesting . I am not a fan of Yale because Dr.H.R.Behrman may have plagiarized my research when he took on Dr.J.C.M. Riley from the University of Waterloo and I had the DOJ initiate a RICO investigation for NIH Scholarship fraud . It is alleged that Pres.Bill Clinton obstructed Justice by closing down the criminal investigation in return for two speaking engagements at Waterloo.His fee is 1/2 million dollars per speech. The US Surgeon General , Dr.Jocelyn Elders sent me a letter of apology regretting how I was treated . Her letter is posted on my website (Cancer Fraud Bad Biotech). My research was peer reviewed by Dr.G.L. Nicolson then Chair of th M.D.Anderson Cancer Center . My original theory , the Cell Death Signal Gene has been developed bu others and is called Propgrammed Cell Death/PCD and the basis of modern cancer research .The theory evolved into the Viroid Thermodynamic Theory on the Origin of Life /VTT and was read by Dr.James Lovelock a Fellow of the Royal Academy, adviser to NASA and author of thGaiai theory.His letter is also posted . VTT was presented at U of Guelph circa 1990 .Long story short, it states that diseases are the messengers of evolution controlling the rate of evolution and other changes. This is now being supported by the recent publications that show many of the child hood diseases may actually protect adults from cancer , heart disease and other problems .VTT states that hormones where the conservative pattern of disease.Hormones cause changes in organism and similarly diseases also . AND , this is the IMPORTANT and to the above article , hormones in a healthy organism are TIMED to cause good or bad effects.

Briefly, very young children/BABIES are waiting to be PROGRAMMED by diseases which nature has established proper TIME PERIODS. This is the MAJOR FLAW in present day vaccine theory .Babies should not be being EXPOSED to many of the disease that the vaccines are eliciting responses to .The vaccines are causing genomic events to occur at the completely WRONG time and developments and are actually HARMING the children .. Hence , I agree with the author. Too bad I was black listed and suppressed by the University of Waterloo so they could escape NIH fraud charges, medical science might be further ahead, and children might not be experiencing the harm they are .E.A.Greenhalgh

[Reply](#)

Leave a Reply

Your email address will not be published. Required fields are marked *

Comment

Name *

Email *

Website

POST COMMENT

All Categories

[Eco-Friendly Living](#)

[Empowered Parents](#)

[For Writers](#)

[Medical Freedom](#)

[News and Events](#)

[Rebels in Science](#)

[Vibrant Living](#)

ADDICTION SUMMIT

1 in 7 of us struggle with food, tobacco, alcohol, opioids, meth, stimulants, technology and/or other behavioral addictions.

FREE & ONLINE FROM AUGUST 13-19, 2018

ATTEND



Your Baby,
Your Way

Your Baby, Your Way

Like Page 31K likes

2 friends like this





The **TRUTH** About
VACCINES™

60 Experts Weigh In



Robert F. Kennedy Jr.



Dr. Rachel Rubin, D.O.



Dr. Andrew Wakefield, MB BS



Dr. Eugene



Barbara Lee Fisher



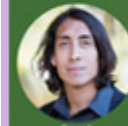
Dr. Suzanne Humphries, M.D.



Dr. Tatyana Chudarych, Ph.D.



Dr. Toni Berk, M.D.



Steve J.



Dr. Joseph Mercola, D.O.



Mike Adams ('The Health Ranger')



Dr. Sarah Thompson, D.O.



Dr. Paul Thomas, M.D.



Dr. Judy Mikovits, Ph.D.



Dr. Larry Frawley, M.D.



Dr. Jennifer Margulis, Ph.D.

Watch Episode One
for FREE!



Find me on Amazon!

COPYRIGHT © 2019 ALL RIGHTS RESERVED JENNIFER MARGULIS, PH.D..