

Utah's Law on Genetic Procedures – SB 144 (2022)

With the advent of mRNA vaccines, and the discrimination at the workplace that followed it across the United States, we thought that there should be a way of safeguarding medical privacy using the language of genetics. On those lines, an attempt was made in Utah to pass a bill that prohibited the use of mRNA vaccines as a condition for employment, through the path of prohibiting genetic procedures. This attempt was successful, and the resulting bill SB144 was passed unanimously and signed into law on March 24, 2022.

Let us tease apart the structure and motive of the bill. There are different aspects to cover:

1. Why take this route, especially in Utah?
2. Does “genetic procedure” really apply to mRNA vaccinations?
3. What can we do, and can this be done elsewhere?

We will examine these aspects one by one.

1. Why take this route, especially in Utah?

At the national level, there is a law called Genetic Information Nondiscrimination Act (2008). This law prevents discrimination by employers and health insurers with regard to their genetic information. Utah is one of those states that had a law similar to that, called “Genetic Testing Privacy Act” prior to 2022.

However, the definition of DNA in the code as it stood then was:

"DNA" means: (a) deoxyribonucleic acid, ribonucleic acid, and chromosomes, which may be analyzed to detect heritable diseases or conditions, including the identification of carriers, predicting risk of disease, or establishing a clinical diagnosis.

As you can see, the Utah definition of DNA included RNA (ribonucleic acid). Is that not the exact same substance that is being introduced externally via mRNA vaccines? This provided an opening for protecting the rights of individuals. All that was missing was that the law, as it stood, consisted of restrictions only on *testing* the genetic material of the individual or the individual's family, and said nothing of *introducing* genetic material into the body i.e. genetic procedures.

This was where SB144 came in – the protections were extended to include not only the presence of genetic material, but also *genetic procedures*, as described in lines 70 – 74 of the bill:

"Genetic procedure" means any therapy, treatment, or medical procedure that is intended to:

(a) add, remove, alter, activate, change, or cause mutation in an individual's inherited DNA; or

(b) replace, supersede, or bypass a normal DNA function.

And here is the critical point: **Since DNA includes RNA by definition, this includes the current mRNA vaccinations.**

This means that, as of March 24, 2022, a private *or* public employer in Utah can no longer make the employee undergo a genetic procedure as a condition of employment in any way, and if they did, would be liable for damages resulting from the violation, including \$100,000 per intentional violation and punitive damages. Insurance cannot discriminate based on this either. Since the protections included damages from the violation, this also opens the door for anyone who received a vaccination for employment reasons after March 24, 2022, to *sue for mRNA vaccine injury*.

2. Does “genetic procedure” really apply to mRNA vaccinations?

It is true that Utah law defined DNA by including RNA, and by law the introduction of mRNA constitutes “genetic procedure”. But what about the scientific aspect of the question? The CDC, FDA and health departments have been insistent that the COVID vaccine does not alter your DNA (note: for these organizations, DNA probably does NOT include RNA). For example, the Utah department of health [says](#):

Can an mRNA vaccine change or modify my DNA?

No. The term mRNA stands for messenger ribonucleic acid. This is best described as instructions for how to make a protein, or even just a piece of a protein. An mRNA vaccine is not able to change or modify your genetic makeup (called DNA). The mRNA from a COVID-19 vaccine never enters the nucleus of the cell, which is where your DNA is kept. [This means the mRNA does not affect or interact with your DNA in any way.](#) Instead, COVID-19 vaccines that use mRNA work with your body’s natural defenses to safely develop protection (immunity) to disease. To learn more about how COVID-19 mRNA vaccines work, click [here](#).

That is a tall claim, but is it true, scientifically? Altering the genetic code is called “gene therapy” in the scientific literature. The conversion of RNA into cellular DNA is called *retroposition*. See the following titles and excerpts to get an idea of the current scientific understanding:

[mRNA: Fulfilling the Promise of Gene Therapy](#)

[Synthetic messenger RNA as a tool for gene therapy](#)

[mRNA therapy: A new form of gene medicine](#)

[“Therefore, mRNA-based therapeutics are categorized as gene therapy.”](#)

[“However, these mRNA vaccines, which have been developed and approved within a few months, signify a breakthrough in the field of gene therapy...”](#)

[“Based on its rapid expression, simple sequence composition, low immunogenicity, and flexible modification possibilities, *in vitro* synthesized mRNA has demonstrated strong potential as a candidate for gene therapy.”](#)

[“The Food and Drug Administration \(FDA\) defines gene therapy as products that “mediate their effects by transcription and/or translation of transferred genetic material and/or by integrating into the host genome and that are administered as nucleic acids, viruses, or genetically engineered microorganisms.”](#)

[“Development of COVID-19 vaccines utilizing gene therapy technology”](#)

[BioNTech: mRNA therapies have been classified as **gene therapy** medicinal products](#)

[COVID-19: **Gene Transfer** to the Rescue?](#)

[MSH3 Homology and **Potential Recombination Link** to SARS-CoV-2 Furin Cleavage Site](#)

[Reverse-transcribed SARS-CoV-2 RNA can **integrate into the genome** of cultured human cells and can be expressed in patient-derived tissues](#)

[mRNA Vaccines: Why Is the Biology of **Retroposition** Ignored?](#)

The last link has one of the clearest statements about the question of mRNA vaccines reintegrating into human DNA, by showing how this form of RNA is regularly integrated into the DNA, and there has been *no research* that shows that it does not integrate:

Surprisingly, I was not able to track down any experimental or theoretical study that specifically addresses the possibility of genome integration of mRNA therapeutics. This shortage of relevant studies is reflected in numerous reviews, book chapters on the mRNA vaccines and documents of international organizations, which often state that mRNA vaccines do not pose the risk for genome integration but do not cite any references in support of this idea.

However, it remains puzzling why and how the mRNA vaccinology field neglected the retroposition biology of L1 retroelements and its theoretical links to possible vaccine mRNA retroposition, especially when one considers the volume, visibility and significance of the L1 and retroposition research.

*I conclude that the broadly reiterated statement that mRNA-based therapeutics could not impact genomes is an unfounded assumption of unclear origin. This implies that the **current mRNA vaccine evaluations, which lack studies that specifically address genome integration, are insufficient to declare their genome integration safety.***

In other words, all the scientific evidence from the literature point towards mRNA being used as gene therapy that can alter human DNA.

3. What can we do, and can we do this elsewhere?

If you are in Utah, you can do a number of things:

- If you have been forced to get the vaccine as *any* condition of your job – hiring, salary, perks, travel choices, pay cuts, etc. – check if your last dose was after March 24, 2022.
- If so, show this law to your employer, and let them know that it is against the law to force you to take the vaccine.
- If they dodge by pointing to the Federal CMS mandate, inform them that genetic privacy is protected at the federal level, and SB144 states that they are still *not protected from liability* for vaccine damage and other damages.
- If they claim they were following the guidance of the health department, ask them to provide studies that show that vaccines do NOT change your DNA. There are none.
- If you have been injured by the vaccine, sue them immediately for damages. If other employees have suffered the same, do a class action lawsuit.

- Get a lawyer to help you fight this.

If you are NOT in Utah, what can you do? The whole point of SB144 was to set a precedent that the other states can follow:

- Check your state law for “genetic privacy” or “genetic testing privacy”, or other such keywords.
- If you have it, follow the language for the changes suggested in SB144 in a new proposed bill, and do your best to pass it in the legislature.
- If you do not, borrow the overall language from SB144 and introduce it to your legislators, by telling them that Genetic Privacy already exists at the national level, and they should therefore codify it in the state. Push the bill as much as you can to include genetic procedures with the right definitions (DNA includes RNA, etc.).
- Spread the word and organize to establish genetic privacy for both testing and procedures into the law, with all the penalties for violations.
- Work with health freedom organizations to accomplish this.

All in all, SB144 sets up a template that can be replicated to suit the needs of individual states. Even if states have laws allowing mandatory vaccination, it is likely that they will have a hard time preventing laws that block genetic tampering of people. Anyone who opposes such a law is guilty of allowing humans to be made into GMO's.

Good luck.