**How mRNA Vaccines Work**

1. The mRNA vaccine is injected. mRNA cannot change your DNA.
2. Your cells read the mRNA instructions and start building...
   ...the same kind of spike proteins that COVID-19 has.
   
3. Your immune system sees the spike proteins and starts building a defence...
   
4. Now your body can recognize the COVID-19 spike protein and fight COVID-19 effectively. You’re building immunity!

---

**DO YOUR RESEARCH!**

**Pfizer and Moderna’s**

---

You may feel some fatigue, aches, or a fever at this point. It’s your immune system learning!

---

Contact for more information:

**UNIVERSITY OF WATERLOO | SCHOOL OF PHARMACY**


©2021 PharmacySin5.com

Content by Kelly Grindrod, PharmD; Rosemary Killeen, BScPhm; Noah Ivers, MD, PhD. Design by Adrian Poon, BA.