

Immune try to attack
thecells immune
therapies are



**ASSIGN
BUSTER**

immune system is the policeman that day and night are patrolling your body and looking for problems and frequently infections get picked up and they get eradicated the cancer cell specifically in lung cancer is almost like a lung cell in disguise and I also think of this assay for example the cancer cell has your ID badge a driver's license it says I'm part of you and when the policeman comes to interact and bump into the cancer cell which happens all the time the cancer cell shows the ID badge to the immune cell which is the policeman and the policeman just simply walks away new drugs have been designed to affect that interaction between policeman immune system and cancer cell bad guy and essentially swipe that ID badge that driver's license away from the cancer cell so when the immune system and the cancer cell interact the immune system can see the cell for what it is which is a disease cell that's going to damage and hurt the body and start the process of gathering them up and getting rid of those cells we need to understand at a molecular level what is interacting what's changing between the cancer cell and the immune cell this interaction and the way cancer cells in the immune system interact is critical not just for lung cancer but critical for all cancers we move away from giving therapies that are designed to attack that one cancer cell with either a defined small poison or targeted drug and we're moving away from that and focusing more on telling the immune system that's the problem go get it it's almost like flagging the cancer cell for your immune system and letting your natural defenses heal your body rather than giving a foreign drug into the body to try to attack the cells immune therapies are as a whole very well tolerated and in certain people extremely effective and the long term benefits of the immune based therapies are yet to be

determined because they're so new but I think that the world of immune-
<https://assignbuster.com/immune-try-to-attack-the-cells-immune-therapies-are/>

based therapies to treat lung cancer and cancer as a whole is extremely promising. I think right now we're at the tip of the iceberg. We've unlocked a key interaction and how cancer cells and immune cells interact, and by affecting that interaction, we teach the immune cell to be smarter.