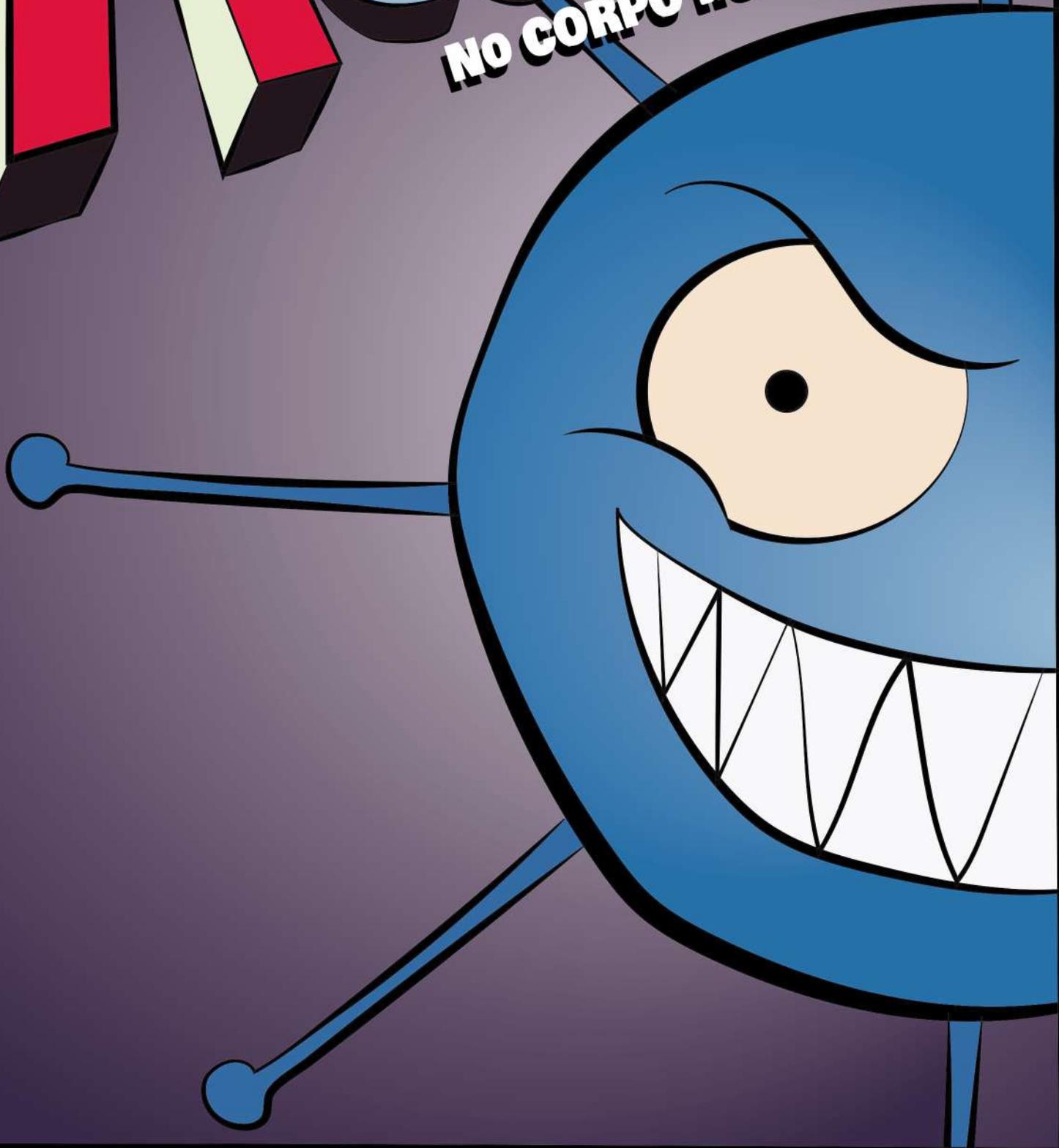


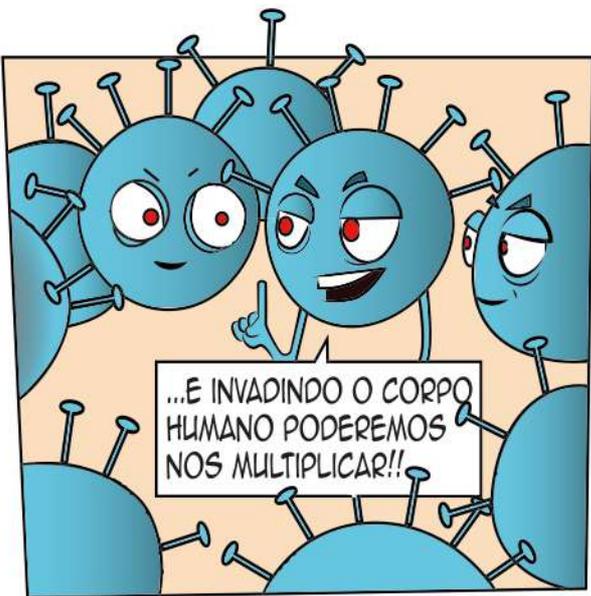
A SAGA

DO

COVID

NO CORPO HUMANO





...E INVADINDO O CORPO HUMANO PODEREMOS NOS MULTIPLICAR!!



SIM, MESTRE, MAS TEMOS QUE TOMAR CUIDADO, POIS O CORPO TEM VÁRIAS FORMAS DE ACABAR CONOSCO ANTES DE ENTRARMOS NELE...



A LÁGRIMA, POR EXEMPLO, PODE NOS DERRETER...



O NARIZ CONSEGUE NOS EXPELIR...



FORA A PELE, QUE MAIS PARECE UMA PAREDE ÍNTEGRA!

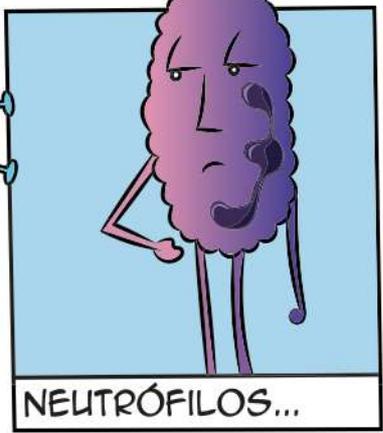


...E OS RECEPTORES TOLL QUE IDENTIFICAM NOSSOS ÁCIDOS NUCLEICOS

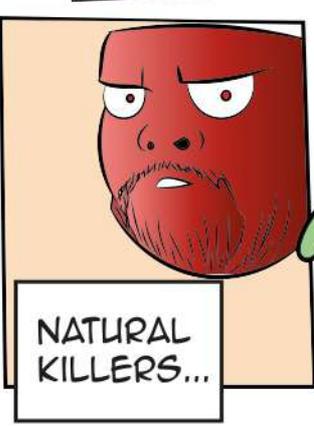


MAS JÁ QUE PRECISAMOS DISSO...

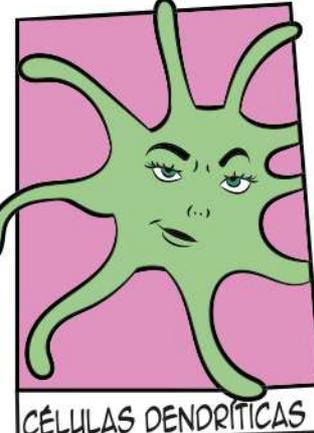
...SAIBAMOS QUE TEREMOS QUE LIDAR COM OS...



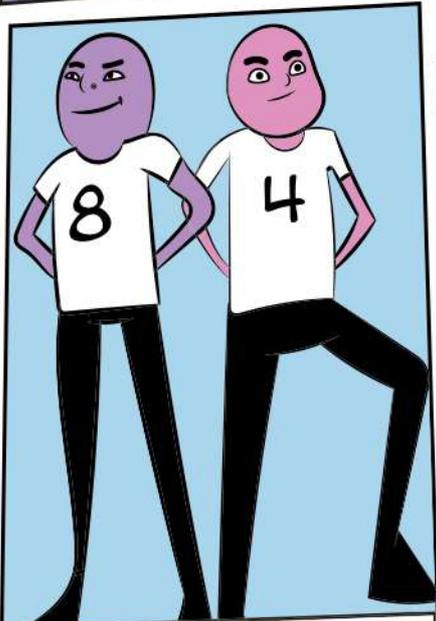
NEUTRÓFILOS...



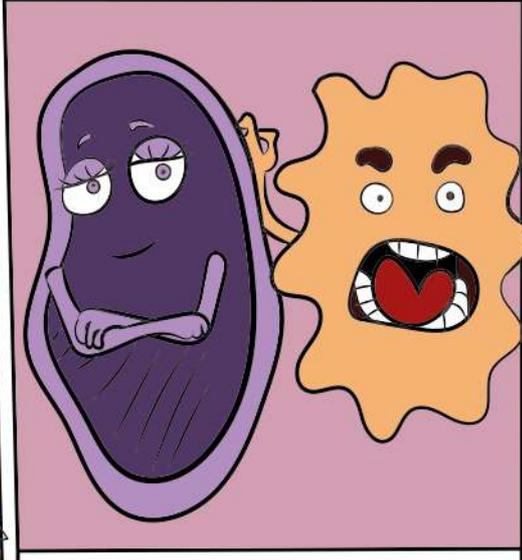
NATURAL KILLERS...



CÉLULAS DENDRÍTICAS



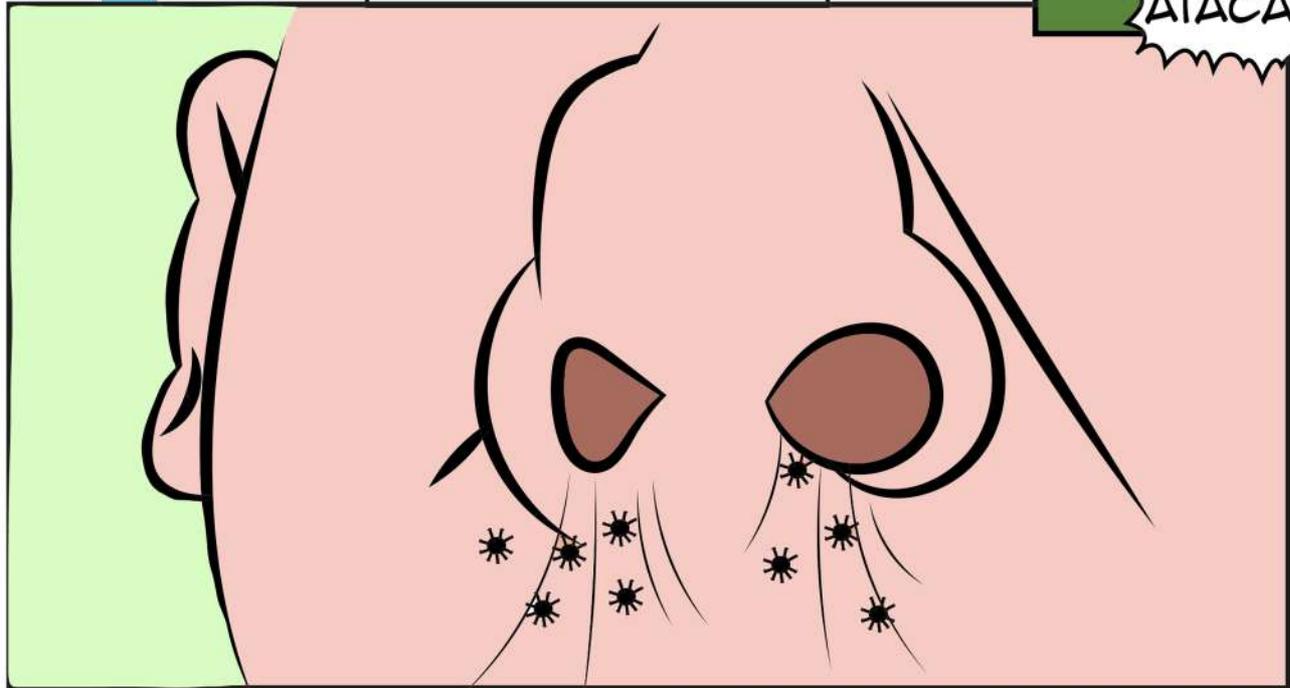
LINFÓCITOS T-CD4 E T-CD8...

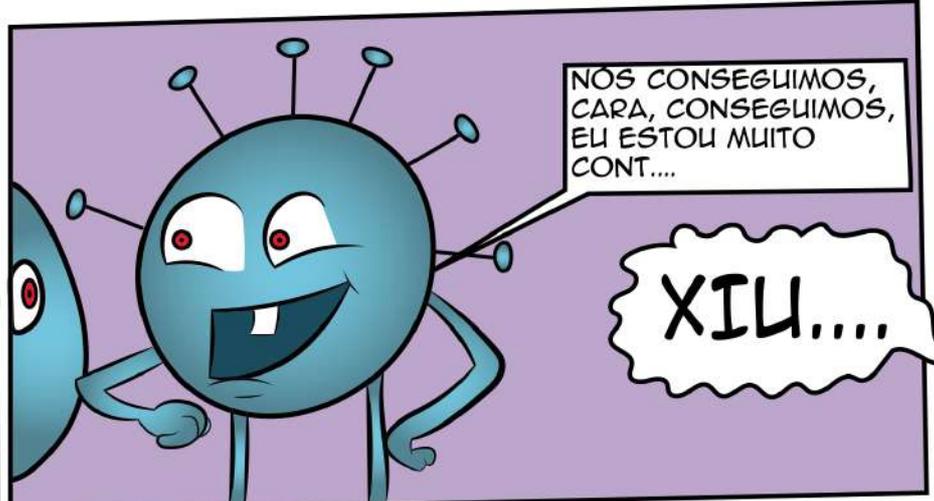
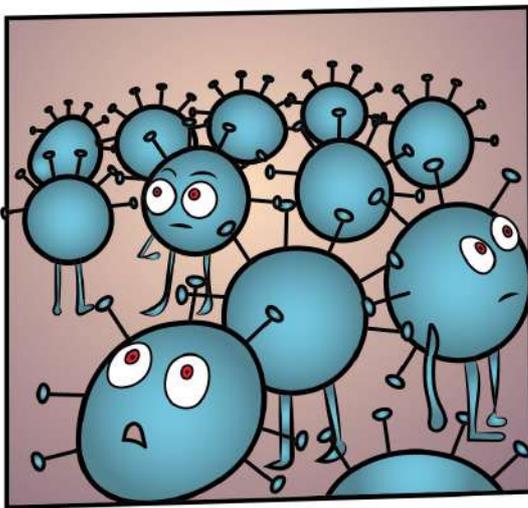


LINFÓCITOS B, MACRÓFAGOS



...E A EQUIPE COMPLEMENTO!!





NÓS CONSEGUIMOS, CARA, CONSEGUIMOS, EU ESTOU MUITO CONT....

XIU....



BOM, PASSAMOS O PRIMEIRO OBSTÁCULO, AGORA É IMPORTANTE TOMARMOS CUIDADO COM OS NEUTRÓFILOS. ME SIGAM



O CHEFE MANDOU A GENTE VIR POR AQUI!!!

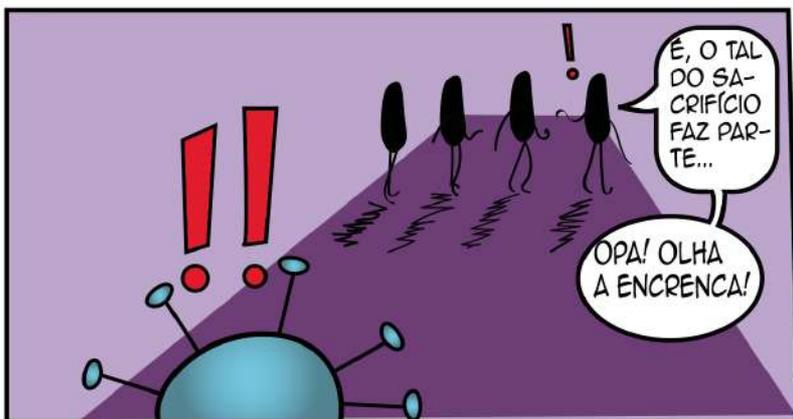


CARAMBA HOJE ESTÁ BEM TRANQUILO EM, QUE BELEZA...

É, PORQUE VOCÊ NÃO ESTAVA AQUI ONTEM, QUANDO ELE RALOU O JOELHO. PERDEMOS GENTE, A MEDULA ÓSSEA DEU DURO PRA REPOR



AH RAPAZ, É COMO DIZEM... MEDULA ÓSSEA QUE LUTE ...

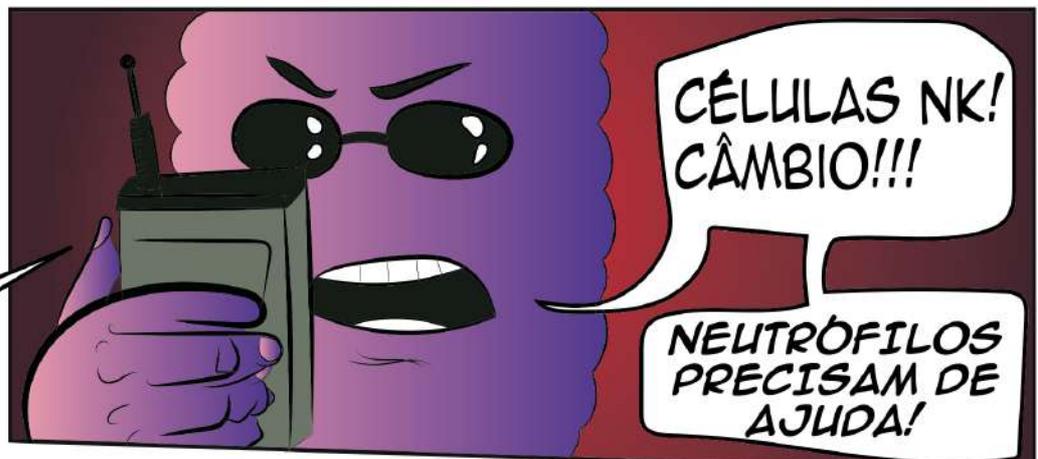
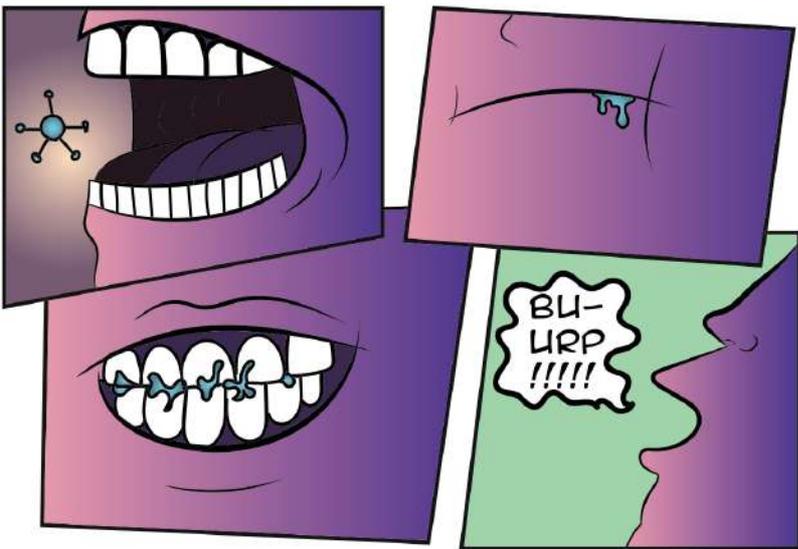
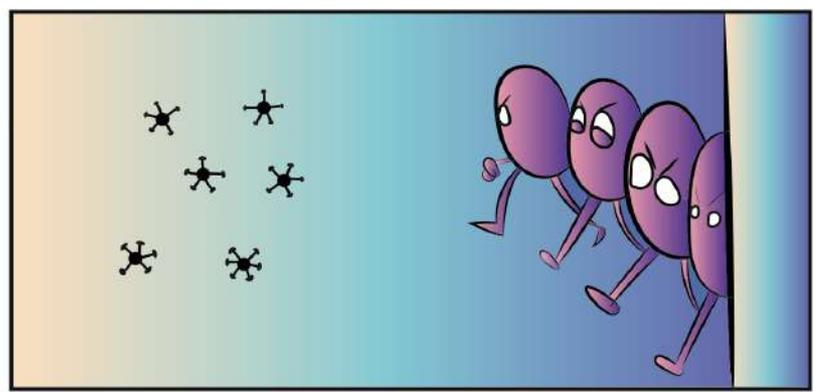


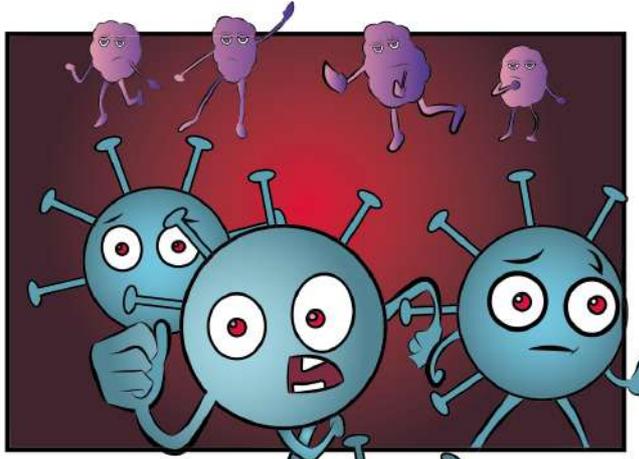
É, O TAL DO SACRIFÍCIO FAZ PARTE...

OPA! OLHA A ENCRENCA!



CUIDADO, RAPAZES, OLHA AÍ...





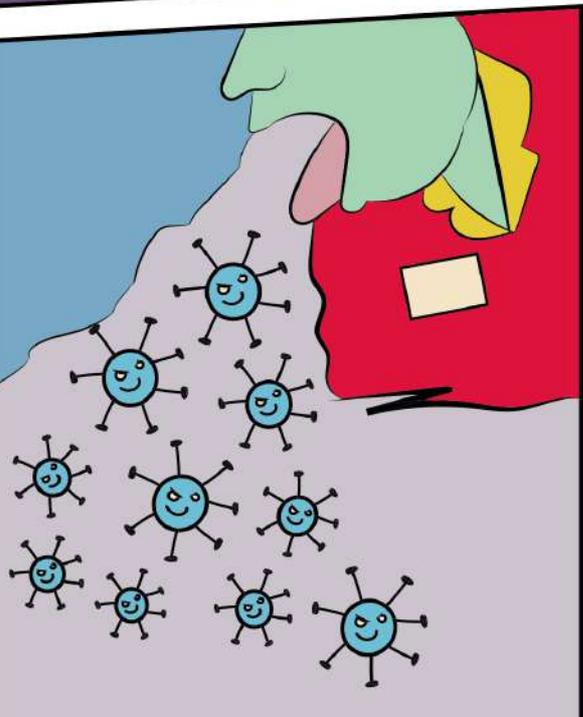
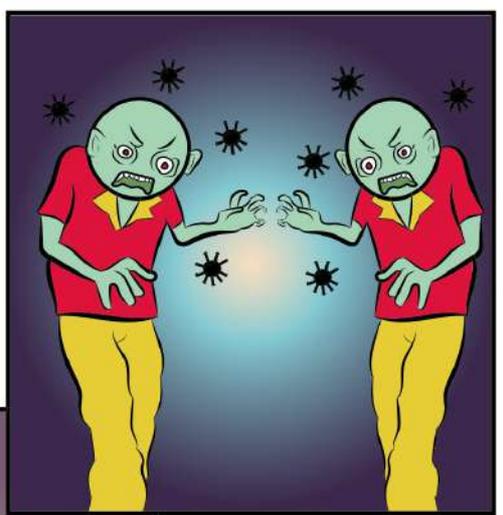
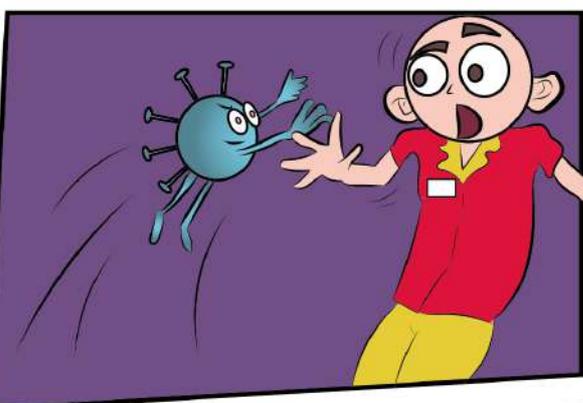
PARECE QUE CONSEGUIMOS ESCAPAR



VAMOS APROVEITAR E INVADIR AS CÉLULAS

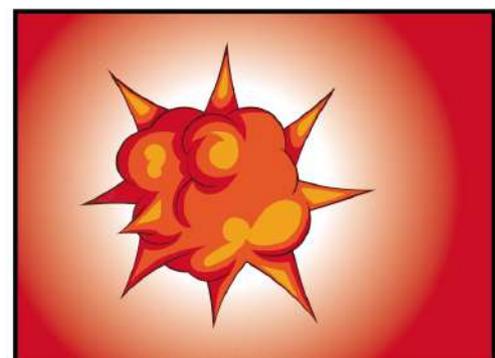


SÍNTESE DE PROTEÍNAS

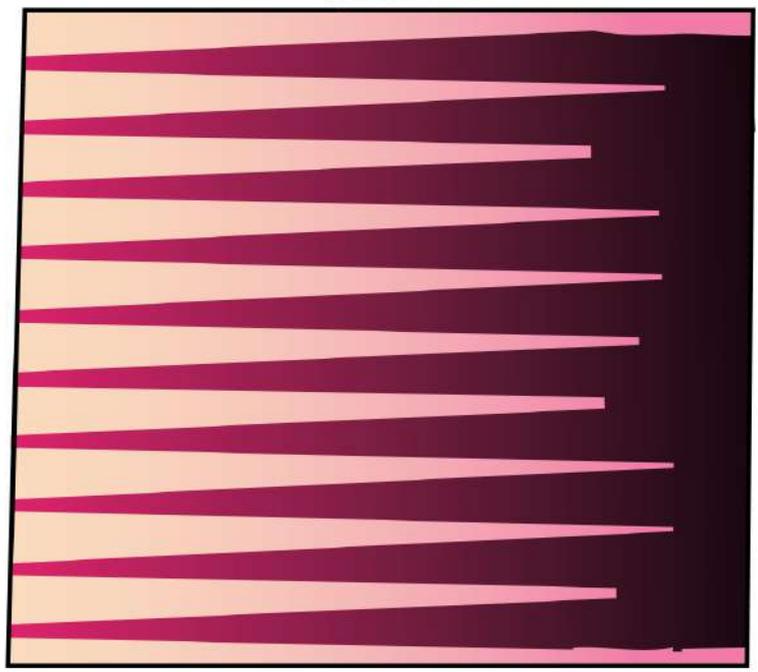
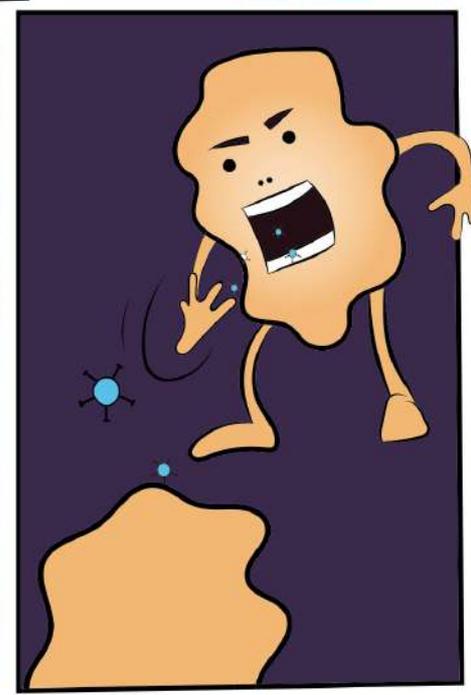


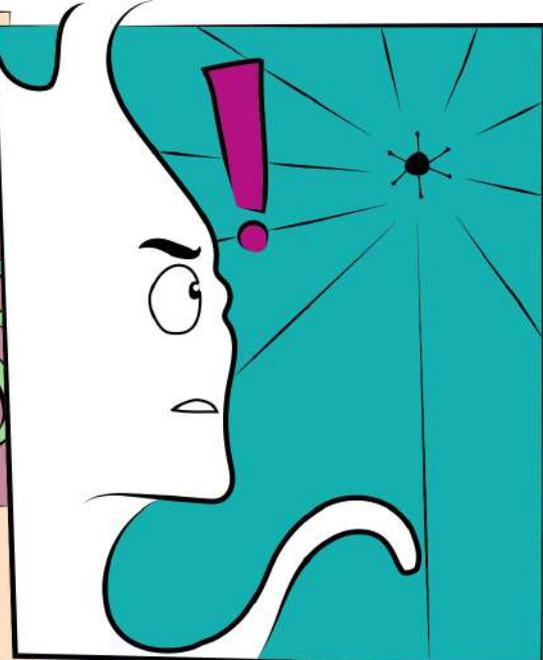
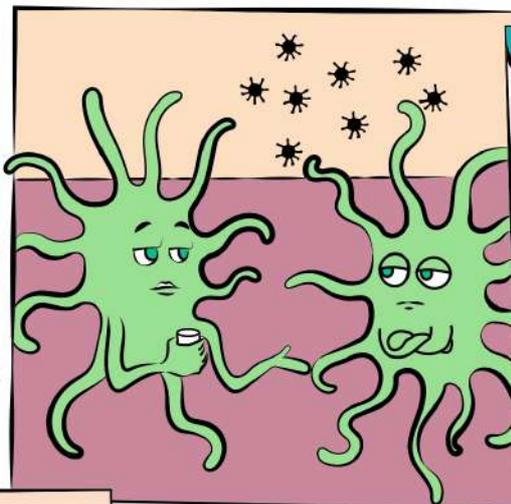
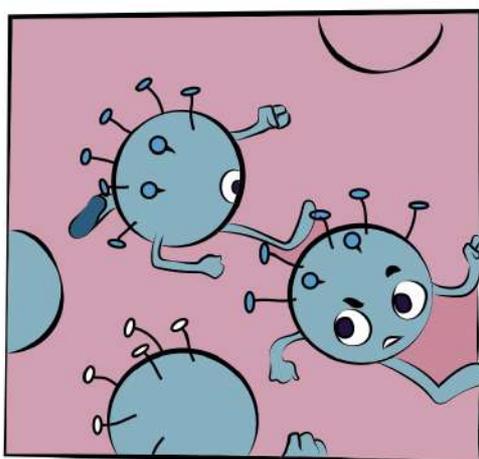
ELES ESTÃO SE REPLICANDO NAS CÉLULAS!

PRECISAMOS DE GRÂNULOS E INTERFERON GAMA!

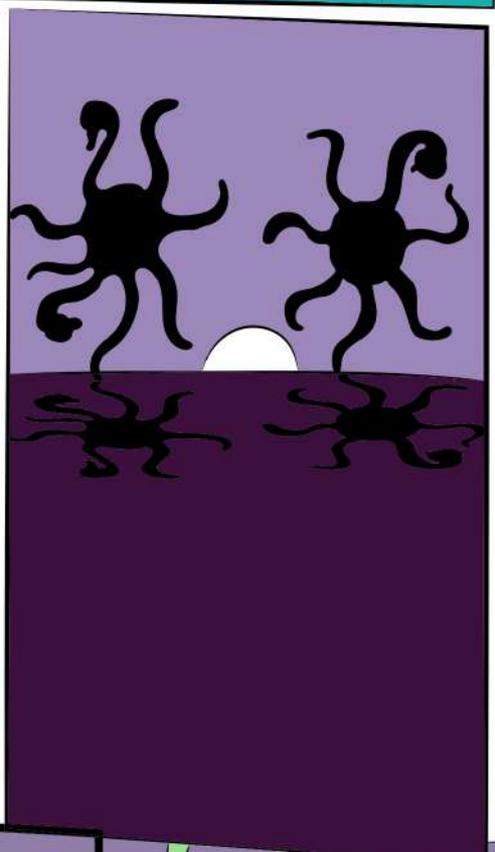
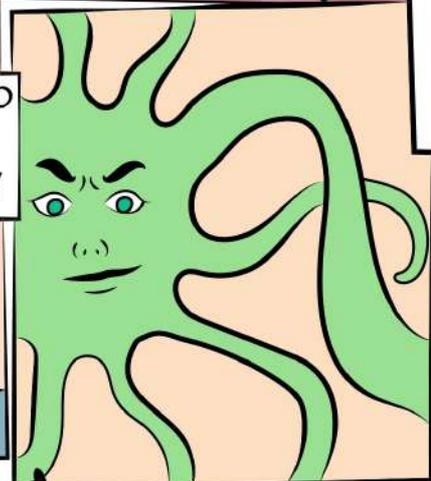


NK'S, ATACAR!!

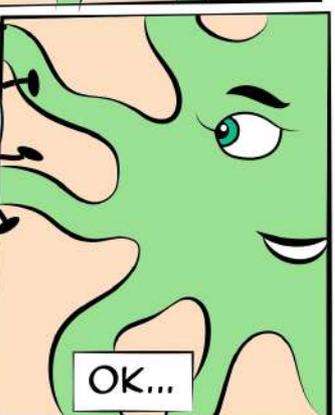




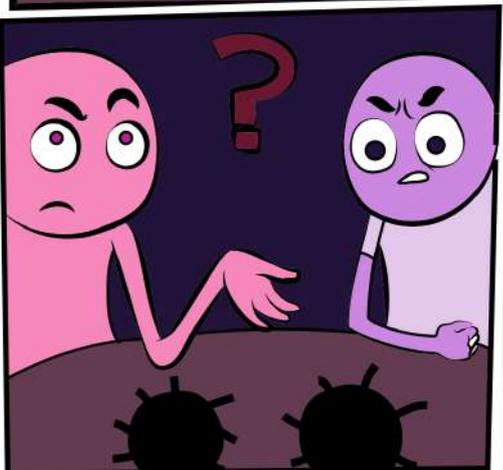
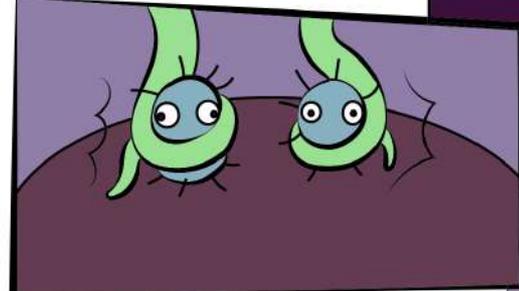
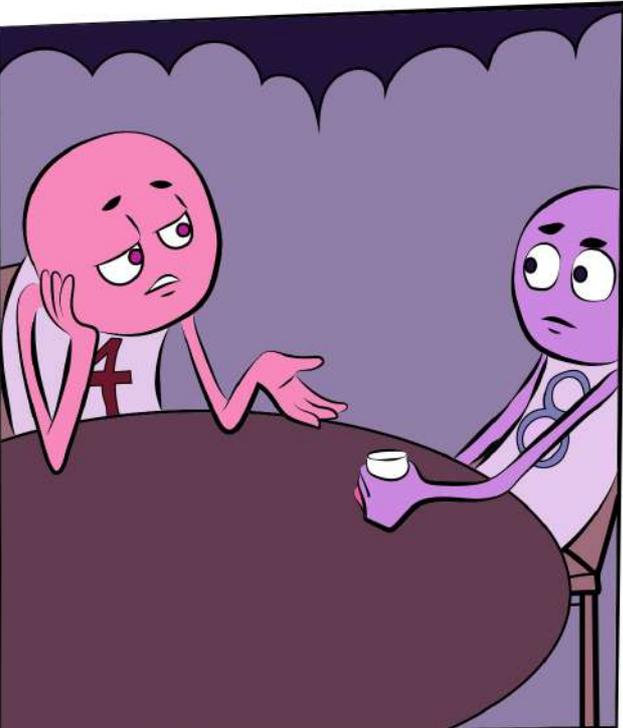
VOCÊ NÃO VAI A LUGAR NENHUM!!



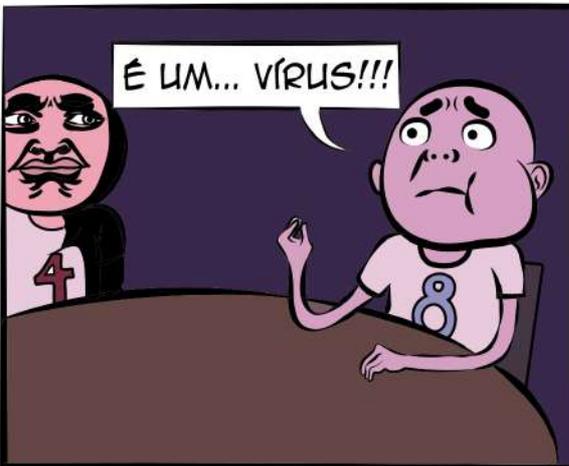
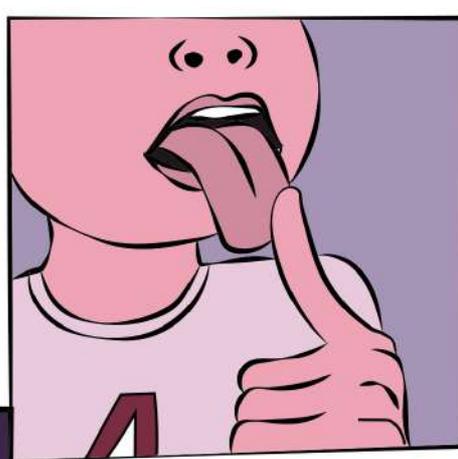
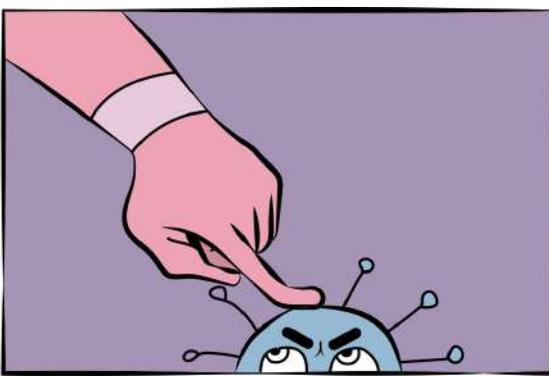
NÃO ACABE COM ELE, TEMOS QUE APRESENTÁ-LO PARA OS LINFÓCITOS!!



OK...



ACHAMOS ESSES ESTRANHOS NO CORPO, VOCÊS PRECISAM IDENTIFICÁ-LOS!!!



CD8'S, SE PREPAREM PARA A GUERRA!!

PRECISO AVISAR AS B'S QUE ESTAMOS EM PERIGO



É...

NA VERDADE EU VIM TE AVISAR QUE...

OI CD8! QUE SURPRESA AGRADÁVEL!



ESSES AQUI INVADIRAM O NOSSO CORPO...!

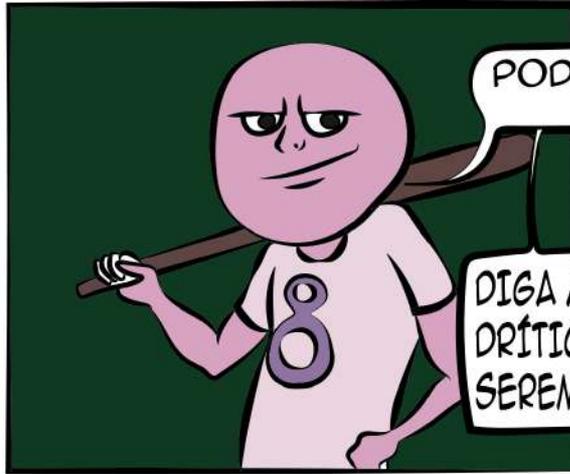
HMM...



E AÍ?

VOU PRECISAR DE TEMPO.

PRECISO ESPECIALIZAR MINHA EQUIPE, SINALIZAR O PERIGO... GANHE TEMPO PARA MIM.

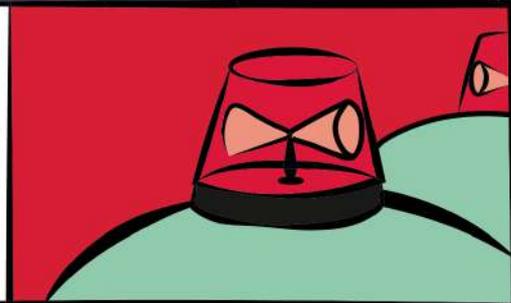
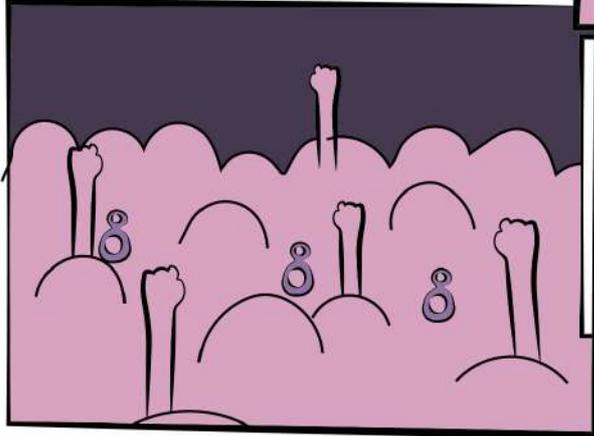


PODE DEIXAR!

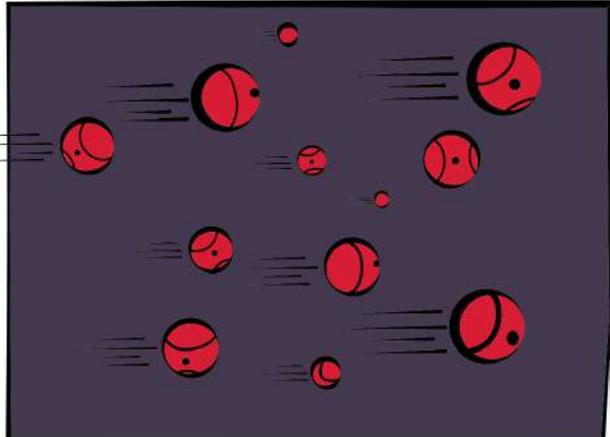
DIGA ÀS DENDRÍTICAS PARA SEREM RÁPIDAS



ATACAR!!!!



GRÂNULOS!!!



ENQUANTO ISSO...



ESSE É O VIRUS ETC.

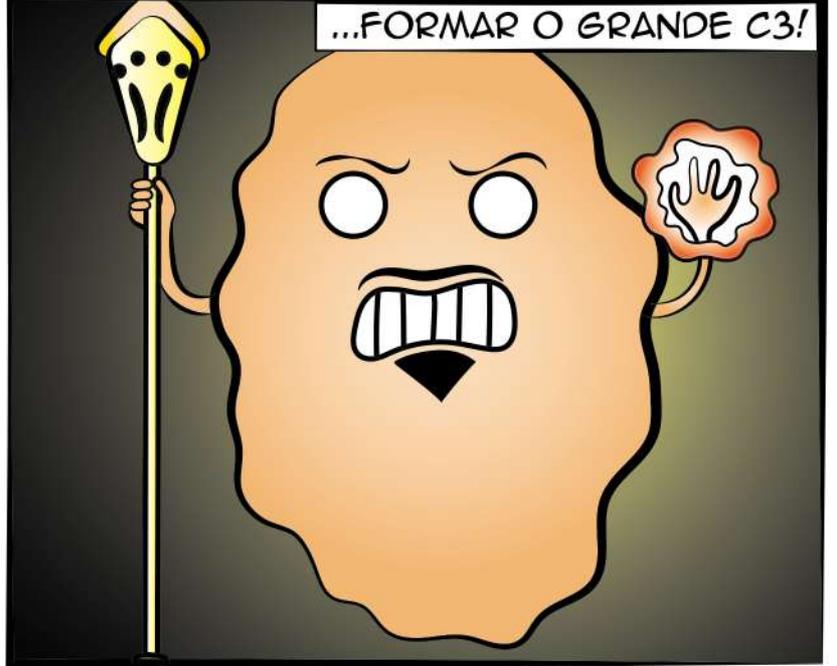
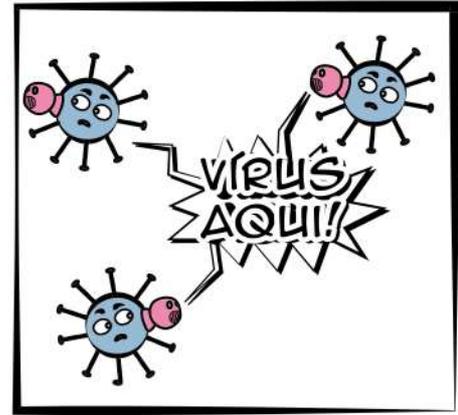
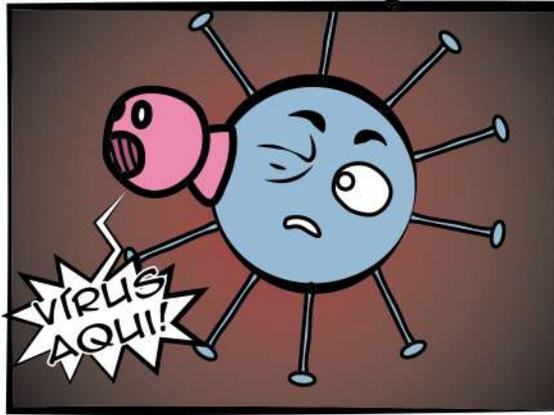
ESTAMOS ENTENDENDO, PROFESSOR DENDRÍTICO

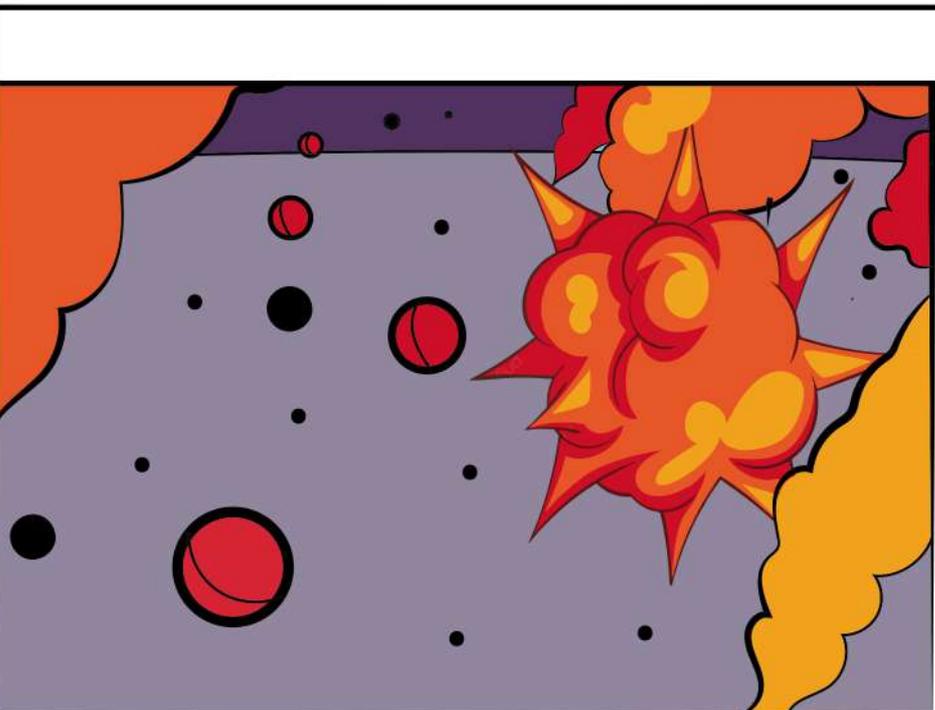
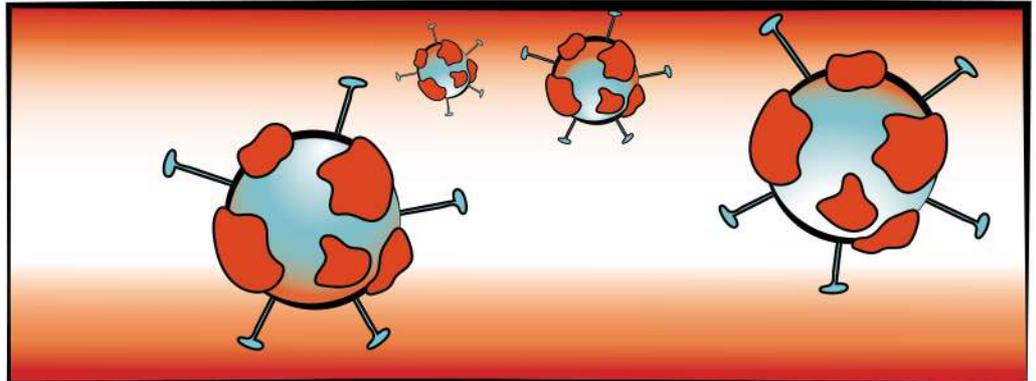
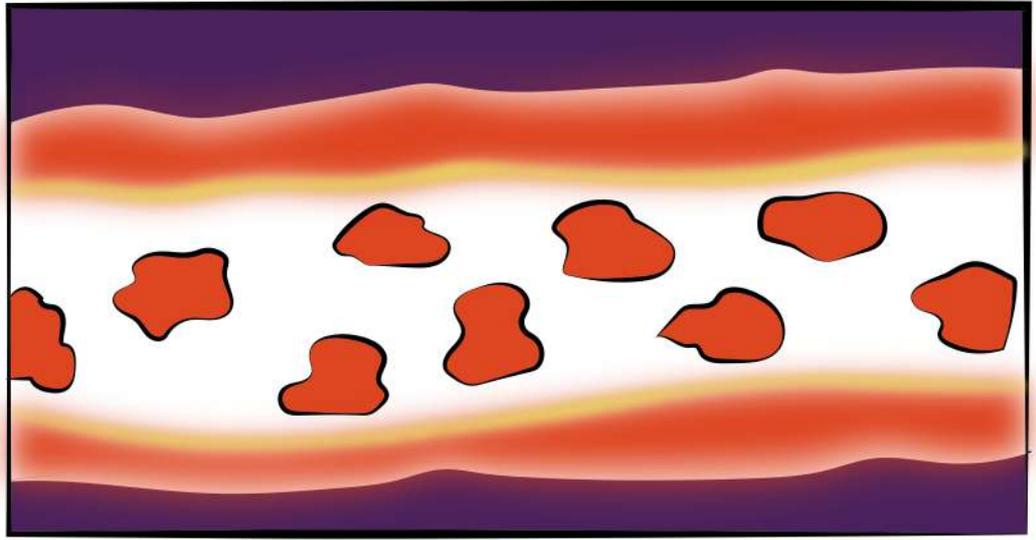
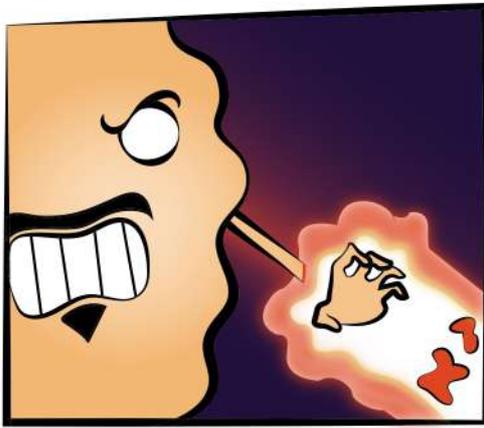


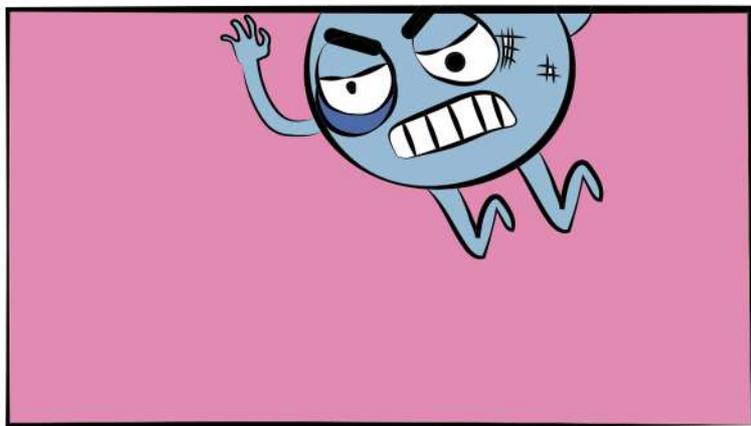
AGORA QUE ESTAMOS SABENDO MAIS SOBRE O VIRUS, NADA PODE NOS DETER HEHE



SE PREPAREM, VIRUS, QUE TEMOS ANTICORPOS E NÃO TEMOS MEDO DE USÁ-LOS!!









Esta é uma Ação Extensionista de iniciativa de professores e alunos da Universidade Federal do Paraná – Campus Toledo, apoiada pela Pró-Reitoria de Extensão e Cultura, que conta com três frentes de atuação para levar até à população, de forma simples e clara, informações científicas sobre o SARS-COV-2.

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Arte por: Brenda Malucelli Rocha e Lucas Augusto Marcon