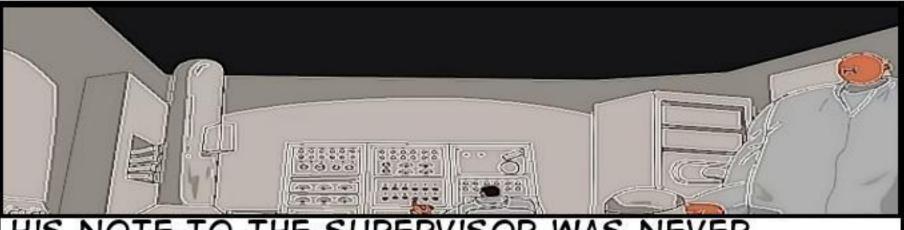
"There are significant potential risks to both underand overregulation in this field."

Jesse Bloom, virologist

"WE DIDN'T REPLACE IT. IN THE VENTILATION SYSTEM AND DIDN'T REPLACED IT. IN THE VENTILATOR SYSTEM," HE SAID.



HIS NOTE TO THE SUPERVISOR WAS NEVER TRANSFERRED TO THE OFFICIAL LOGBOOK, SO WHEN THE NEXT TIME, IT WILL BE THERE.

AS THE 7 A.M. SHIFT ROLLED IN, WORKERS SIMPLY STARTED PRODUCTION AS USUAL. "WE'RE HERE TO WORK. THAT'S WHAT WE DO," ONE WORKER SAID.

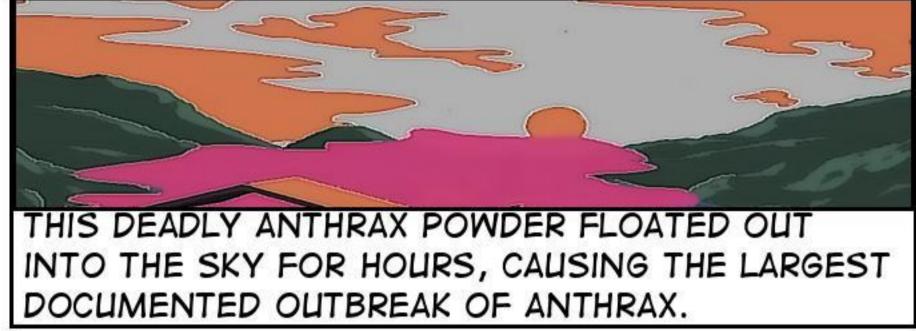


THIS WOULD HAVE BEEN A MINOR MISTAKE IN MOST LABS. BUT THIS LAB WAS A BIOLOGICAL WEAPONS FACILITY PRODUCING HUGE QUANTITIES OF ANTHRAX.





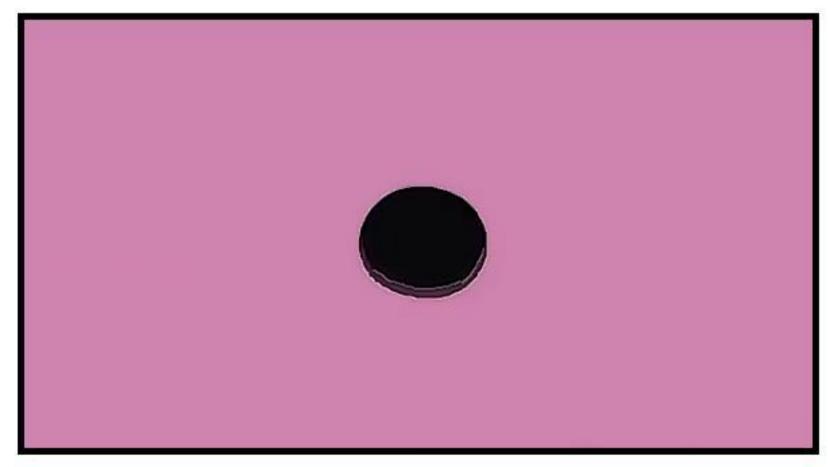


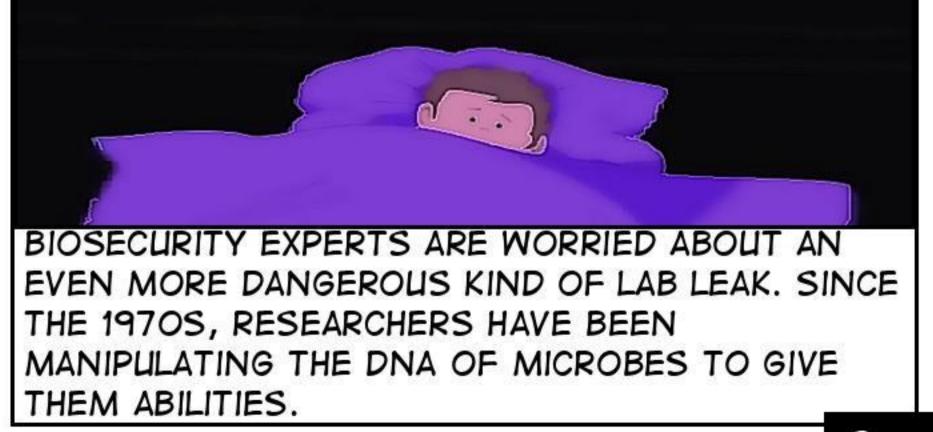


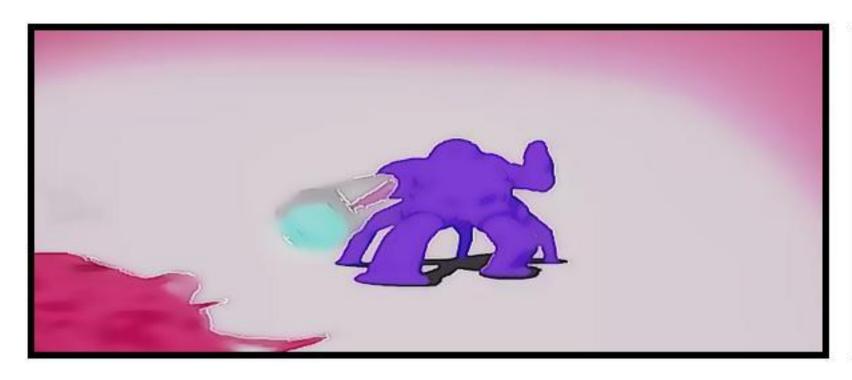


OUTBREAK OF INHALATION ANTHRAX ON RECORD AND RESULTING IN AT LEAST 64 DEATHS. AT LEAST 64 PEOPLE WERE KILLED IN THE OUTBREAK.





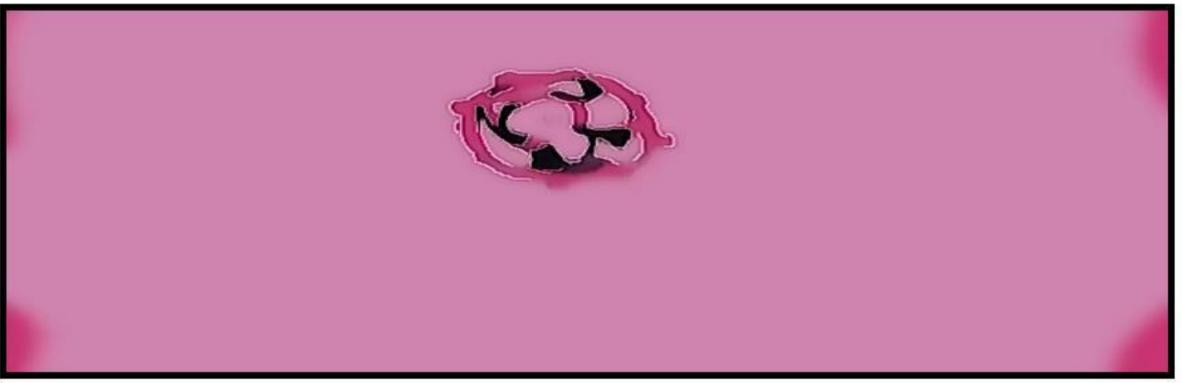


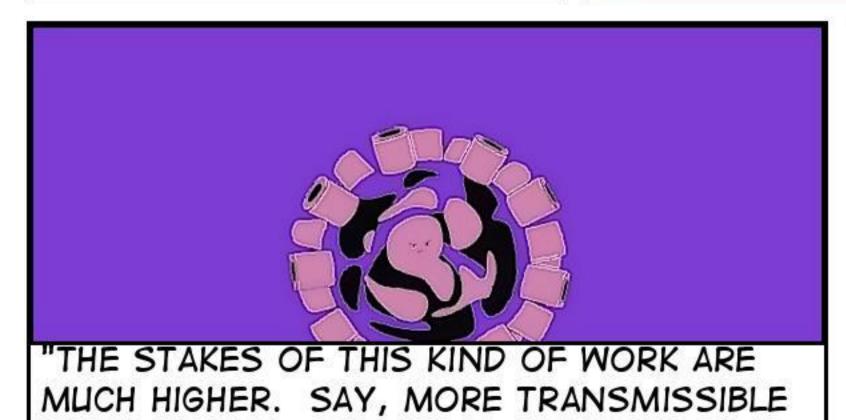


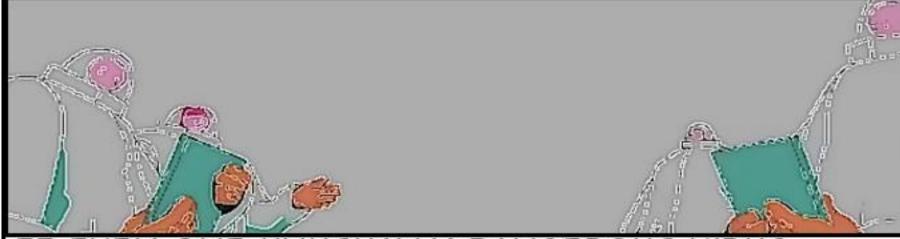
GAIN-OF-FUNCTION WORK INCLUDES A HUGE BODY OF SCIENTIFIC RESEARCH. THE MAJORITY OF THIS WORK HELPS HUMANITY WITH VERY LITTLE RISK. FOR EXAMPLE, ENGINEERED VIRUSES ARE USED IN VACCINE PRODUCTION, GENE THERAPY AND CANCER TREATMENTS.

ENHANCED POTENTIAL
PANDEMIC PATHOGENS ARE
VARIANTS OF WELL-KNOWN
VIRUSES. EPPS ARE
TYPICALLY VARIANTS OF
VIRUSES SUCH AS EBOLA OR
AVIAN INFLUENZA.

OR MORE DEADLY," HE SAYS.







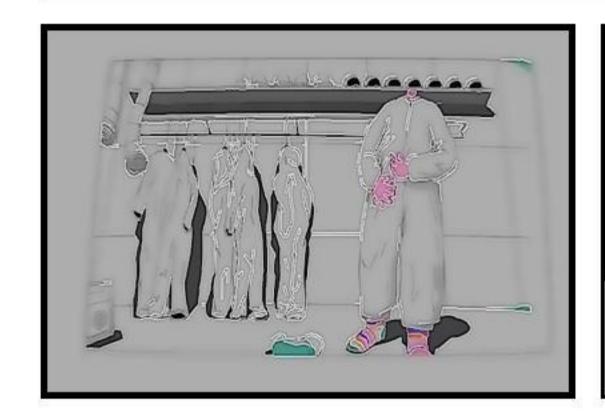
IF EVEN ONE UNUSUALLY DANGEROUS VIRUS ESCAPED A LAB, IT COULD CAUSE A GLOBAL PANDEMIC. SINCE DEVELOPING EPPS, ARGUE THIS RESEARCH COULD HELP US PREPARE FOR FUTURE PANDEMICS.



THE EPP HAS THE NOVEL ABILITY TO SPREAD THROUGH THE AIR BETWEEN MAMMALS. ADVOCATES OF THE PROJECT ARGUED THAT BY CREATING THIS EPP, WE COULD LEARN CRUCIAL INFORMATION.

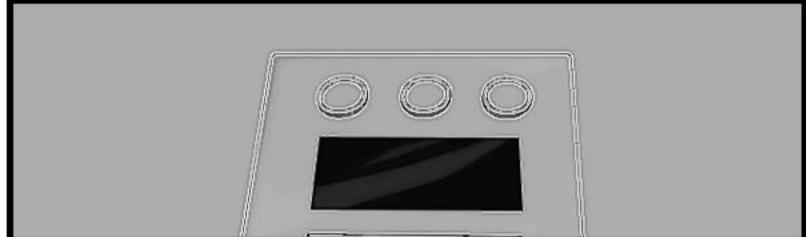


MANY CRITICS ARGUED THAT IT'S UNCLEAR WHETHER BIRD FLU WOULD EVER EVOLVE IN THE WILD. ABOUT A WORST-CASE SCENARIO VIRUS UNDER CONTROLLED CONDITIONS.

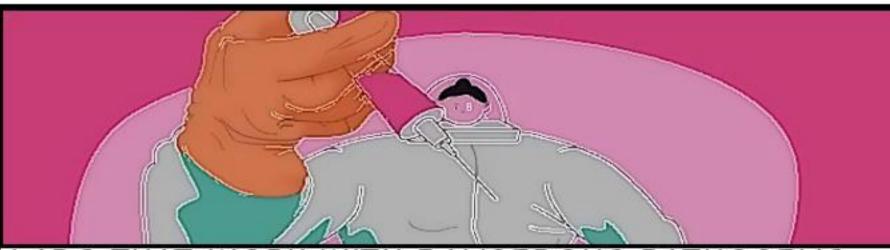




THE SCIENTISTS BELIEVED THE KNOWLEDGE GAINED BY STUDYING THIS DANGEROUS VIRUS WASN'T THE SAME AS IT DID IN THE LAB. CONSEQUENTLY, THEY BELIEVED THE RESEARCH WAS A WASTE.



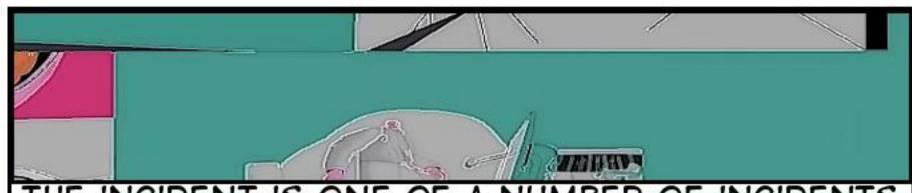
EVERYONE AGREES THAT AN EPP-P LAB LEAK COULD BE CATASTROPHIC. BOTH SIDES OF THIS ONGOING DEBATE ARE TRYING TO SAVE LIVES. THEY JUST DISAGREE ON THE BEST WAY TO DO IT.



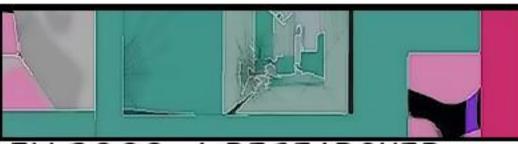
LABS THAT WORK WITH DANGEROUS PATHOGENS ARE DESIGNED WITH NUMEROUS SAFETY FEATURES. THESE INCLUDE VENTILATION SYSTEMS THAT DECONTAMINATE AIR AND AIRTIGHT SPACE SUITS.



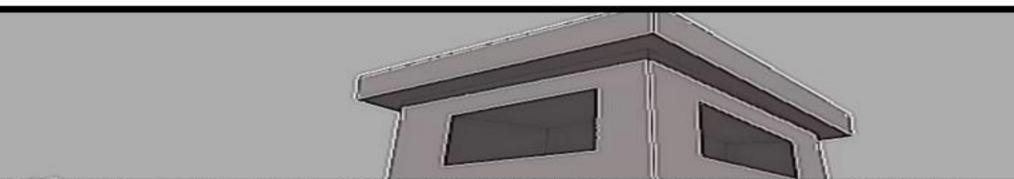
EVEN WHEN OUR TECH DOESN'T FAIL,
THERE'S STILL ROOM FOR THE MOST
COMMON KIND OF MISTAKE. MANY HUMAN
ERRORS ARE INCONSEQUENTIAL. A
RESEARCHER SPILLS A SAMPLE, BUT QUICKLY
DISINFECTS THE OTHERWISE
WELL-CONTROLLED ENVIRONMENT.



THE INCIDENT IS ONE OF A NUMBER OF INCIDENTS THAT HAVE OCCURRED IN THE PAST WEEK. OTHER INCIDENTS, HOWEVER, ARE MUCH MORE CONCERNING.



IN 2009, A RESEARCHER ACCIDENTALLY STUCK THEMSELVES WITH AN EBOLA-CONTAMINATED NEEDLE, ENDANGERING OTHERS.



IN 2014, SIX VIALS CONTAINING THE VIRUS THAT CAUSES
SMALLPOX WERE FOUND IN AN UNSECURED STORAGE ROOM. THAT
SAME YEAR, A CDC SCIENTIST UNKNOWINGLY CONTAMINATED A
SAMPLE OF RELATIVELY HARMLESS BIRD FLU WITH A DEADLY
LAB-GROWN VARIANT

