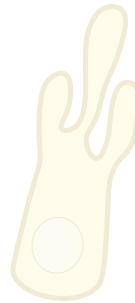
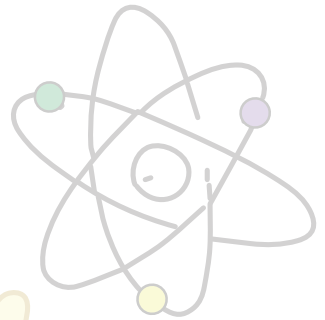
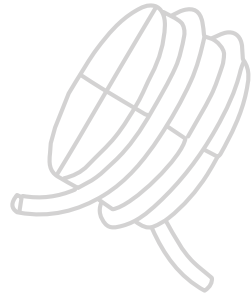
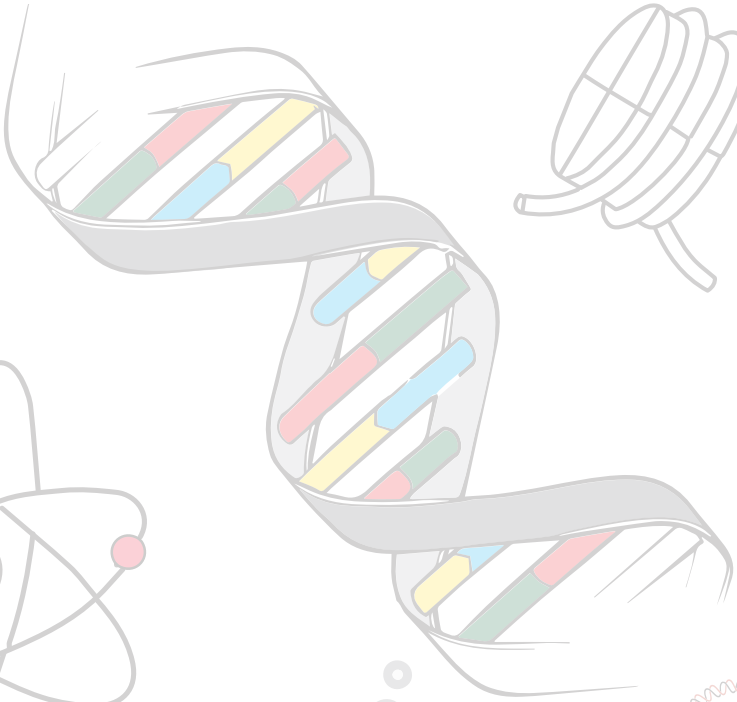


PRESENTS:

# Why Are Scientists

# Resisting?



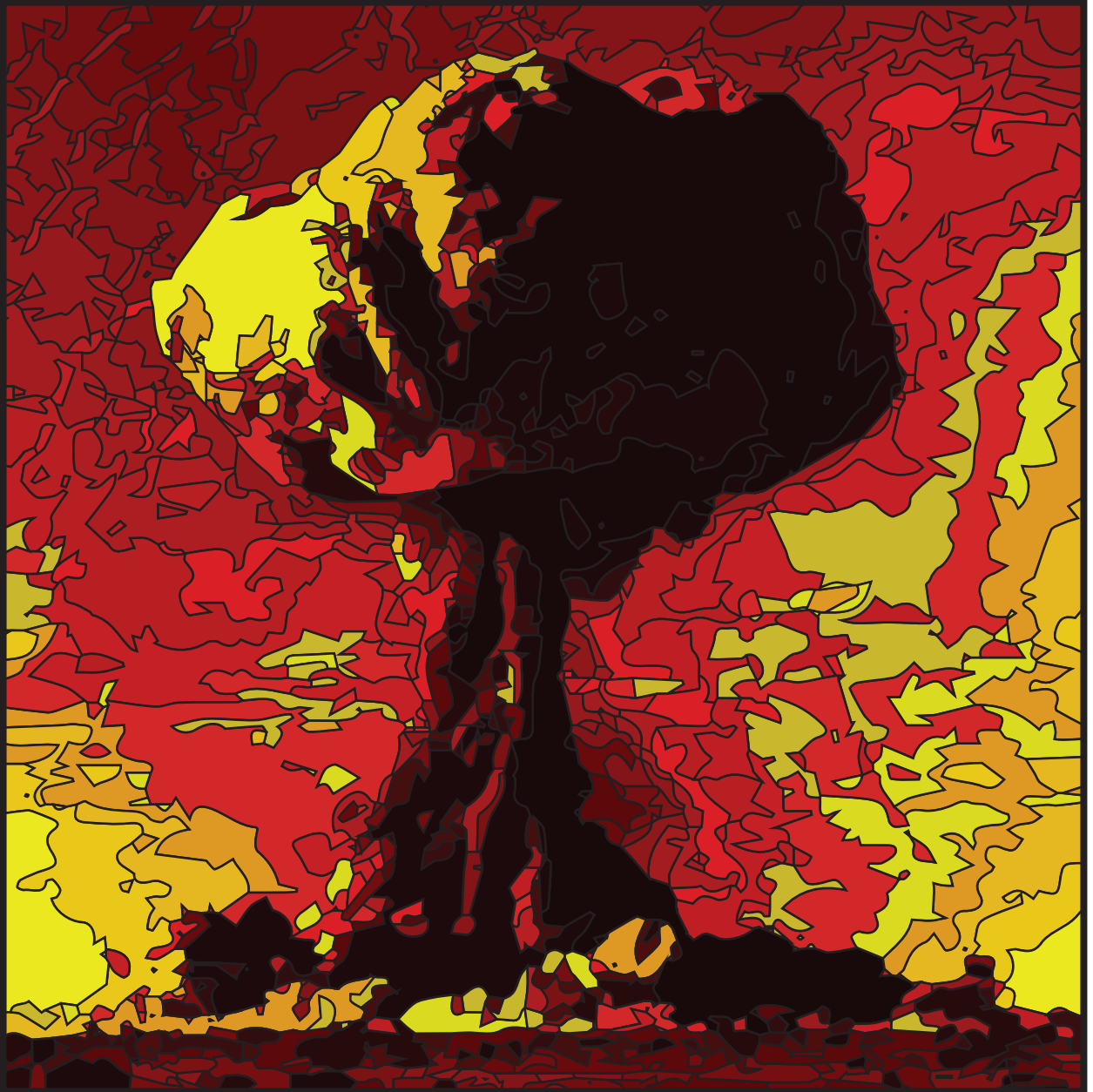


Scientists across the US are organizing a March for Science on April 22, 2017. You've probably heard it said that scientists should keep their noses out of politics. "Aren't scientists supposed to be objective?", they'll say. "Science is not political!"

But if we look to history, it becomes clear why it is critical that scientists have a voice in politics, and why we should support that voice.



World War 2 saw rapid advancement of military technology, culminating with the most devastating weapon ever used: the atomic bomb.



When the war ended, public opinions were divided about how to live in a post-atomic world. The scientists who created the bomb - many of whom were immigrants and refugees - were deeply worried about the possibility of global nuclear war.

So they organized. They established the Federation of American Scientists, which advocated for nuclear disarmament and government transparency. They created the Bulletin of the Atomic Scientists to educate the public about atomic weapons.

## Bulletin of the Atomic Scientists



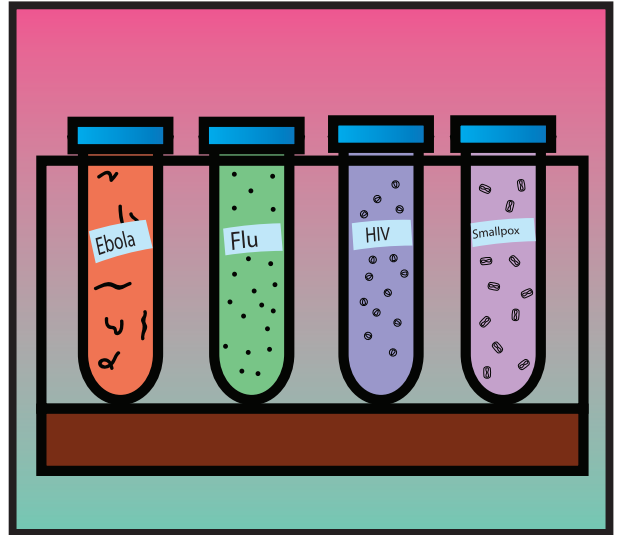
From then on, scientists have always had a voice at the table of American politics. NASA was established at the start of the Space Race as a strictly non-military organization, and scientists organized against the militarization of space.



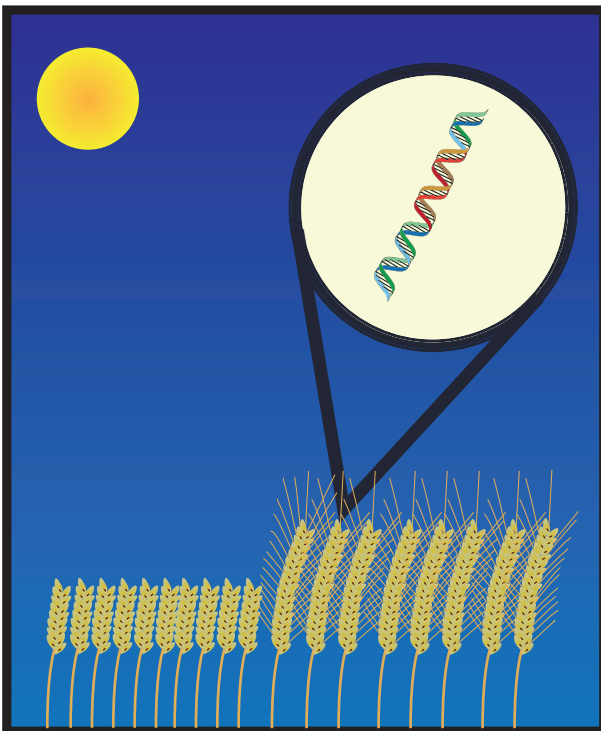
By the 1970s, the world was becoming aware of the possibilities - and dangers - of genetic engineering:



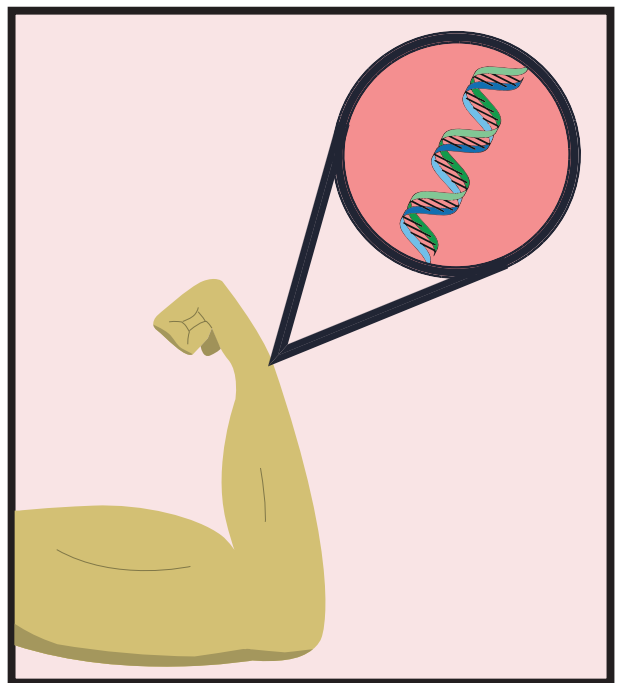
Should we clone people?



How do we safely study deadly pathogens?

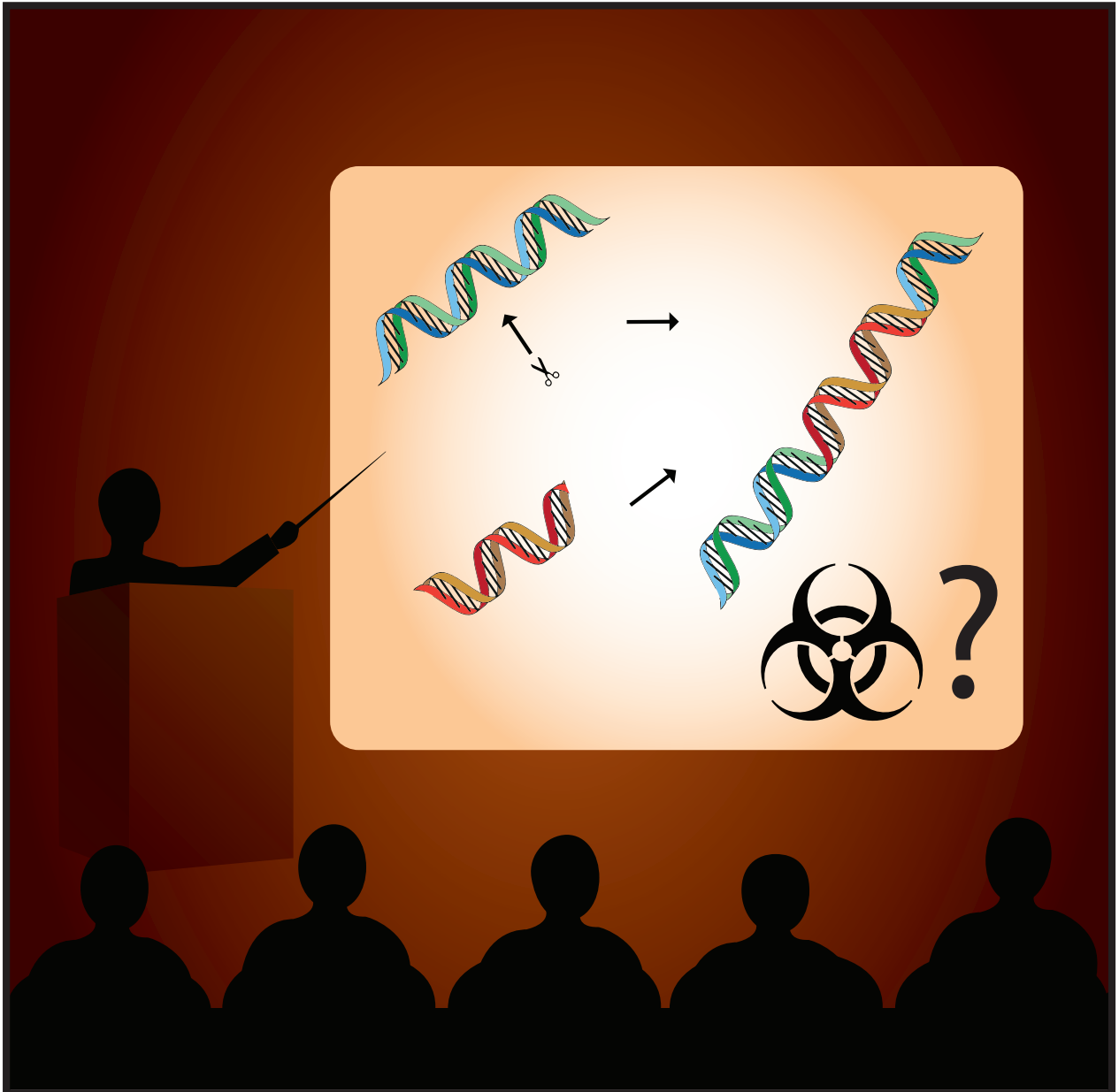


Are biotech crops safe to eat?



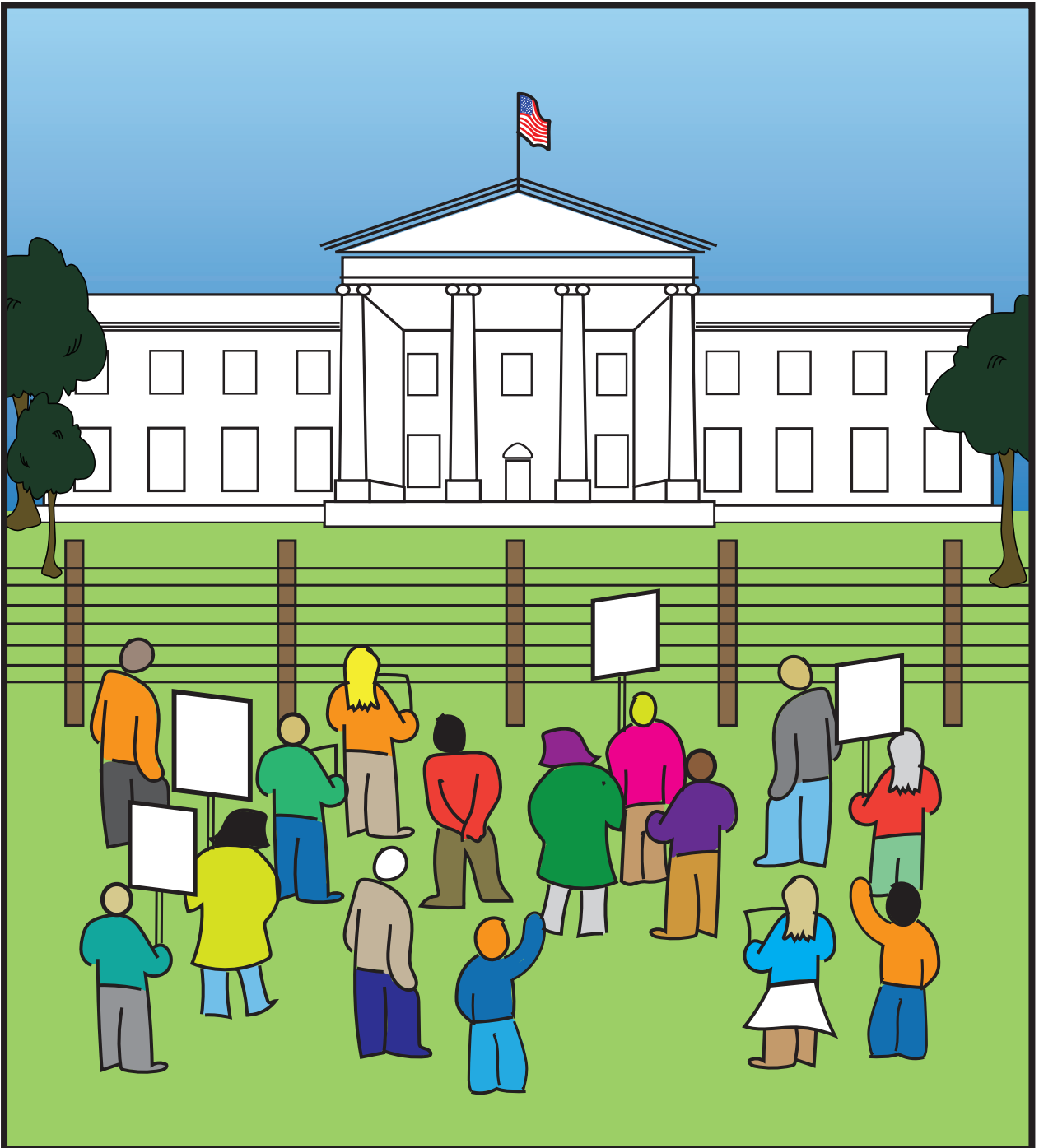
What do we do about transhumanism?\*

Once again, scientists organized to educate the public and to guide policy. In 1975, biologists held the Asilomar Conference on Recombinant DNA.



At this conference, it was decided that the potential dangers of DNA technology were so great that scientists agreed on a 16-month moratorium on DNA research, so that scientists could have time to implement safety regulations and to educate the public on the potential benefits of this powerful new technology.

Scientists have a long and proud history of political activism because science affects almost every aspect of our society. Scientists can use their expertise to help shape better public policy. So why are scientists becoming politically active today? There hasn't been a major galvanizing event like the atomic bomb. However, there are many reasons scientists will be Marching for Science on April 22, 2017.







Science in America is under attack. Some people refuse to believe climate scientists who tell us the Earth is warming. Some refuse to believe medical biologists about the safety and effectiveness of vaccines. Some refuse to believe their doctors about the best way to prevent or treat cancer. Some refuse to listen to molecular geneticists about the promises and benefits of biotechnology.

It has become acceptable in our culture to disagree with overwhelming scientific evidence, and many of those who shape our political landscape are taking advantage of this.

The concept of global warming was created by and for the Chinese in order to make U.S. manufacturing non-competitive.

The cure for cancer exists, they just don't want to give it to the people because they'll stop making money.

I am being proven right about massive vaccinations—the doctors lied. Save our children & their future.

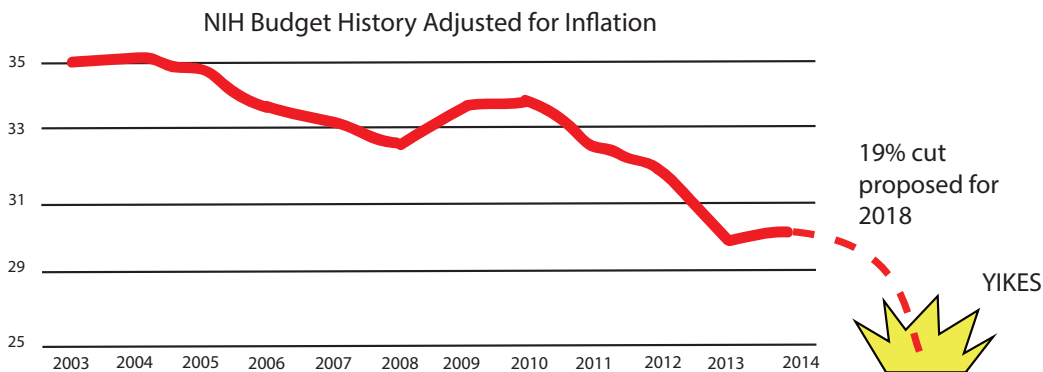
I'm not a believer in man-made global warming. It could be warming, and it's going to start to cool at some point.

You're saying it's a falsehood; our press secretary gave alternative facts to that.

News just called it the great freeze - coldest weather in years. Is our country still spending money on the GLOBAL WARMING HOAX?

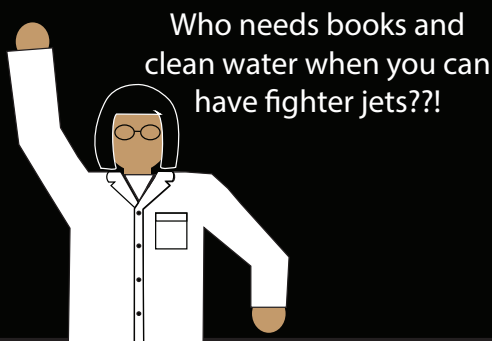
Don't listen to that - what do they know - they're just spouting fake news. FAKE!

People are marching for science because scientists need to regain the voice they once had. People are marching to support educators and doctors, people who teach science or use the products of science in their professions. People are marching because science funding has been stagnating.

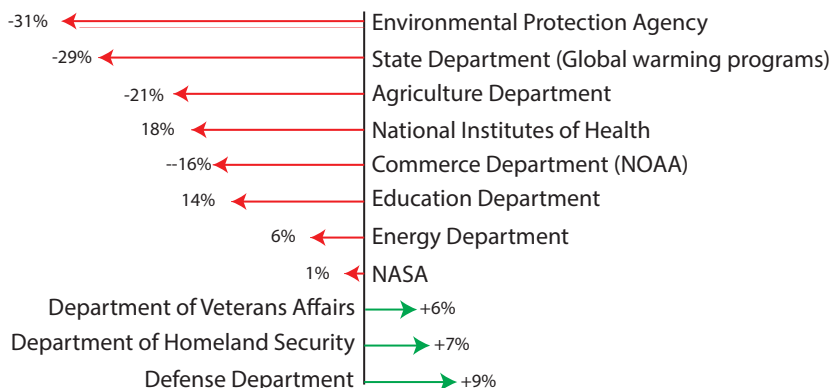


This is NIH funding from 2003 onward. This funding trend will severely threaten America's role as a driving force of biomedical research.

The following figures represent the status of scientific funding in the United States and Trump administration's proposed budget for 2018.



This is the portion of the administration's proposed 2018 budget pertaining to scientific funding.



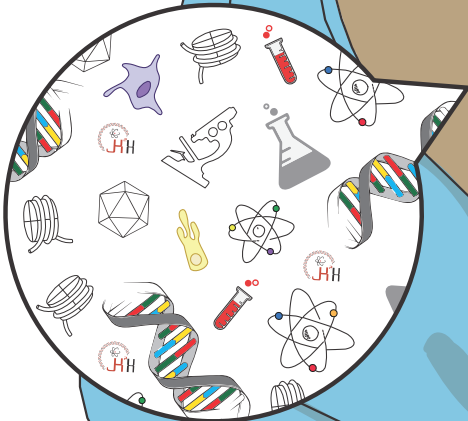
Finally, people are marching to remind everyone of the diversity of scientists. To remind people that scientists are human beings of all genders and races, of all religions and nationalities, both native-born and immigrants, all united by a passion for discovery and a drive to make the world a better place.



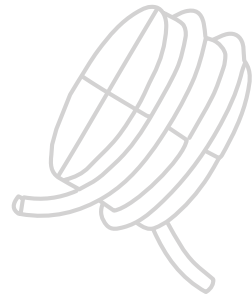
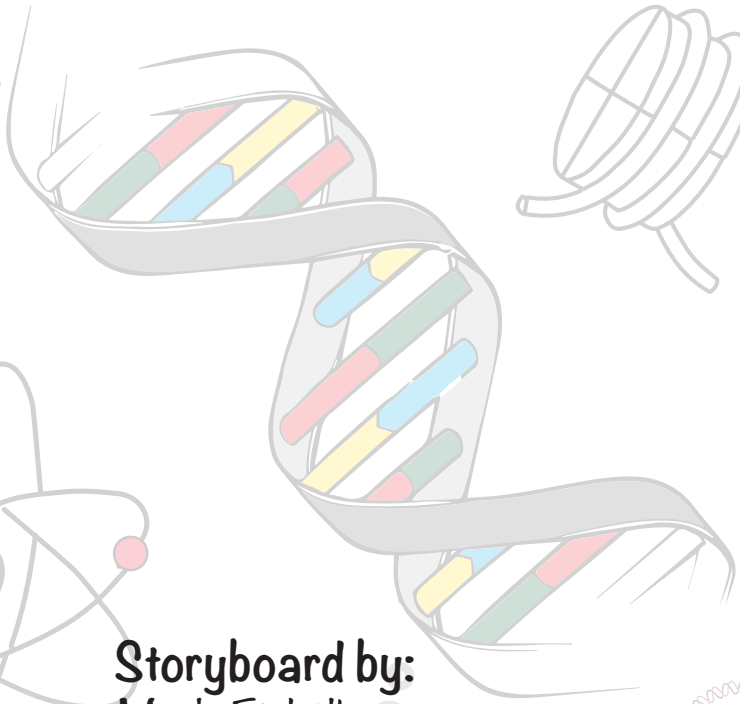
This is why we march. This is why we resist. And why we need to support these voices to have science and not silence.

**SCIENCE**

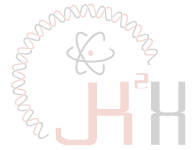
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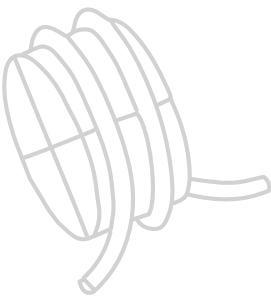
SILENCE

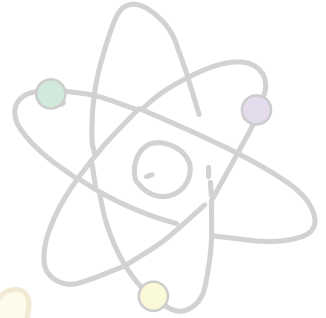
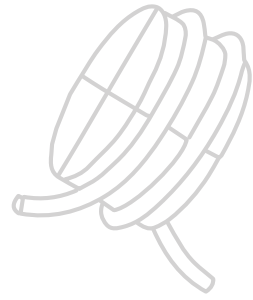


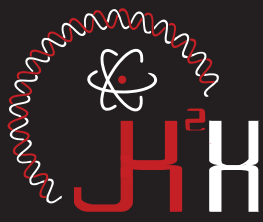
**Storyboard by:**  
Mark Eichelberg



**Artwork by:**  
Mark Eichelberg  
Khoa Tran  
Caleb Dillingham  
Jaye Gardiner







"This is why we march. This is why we resist."

**SCIENCE**

**NOT**



**SILENCE**