



# UNITED NATIONS NATIONS UNIES

## 21<sup>st</sup> Century

Producer: Ekaterina Skvortsova  
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### IN THEIR OWN WORDS

For young women in science it can be an uphill struggle – but Katherine Jin has already made an impact. Here’s her story, in her own words. (12”)

#### VIDEO

KATHERINE ON CAM  
KATHERINE WALKING  
TOWARDS THE CAMERA  
(SLOW MOTION)

#### AUDIO

KATHERINE JIN, co-founder and CEO at  
Kinnos (in English)

*I don't think that until high school I really realized that gender equality was a problem. By now I have assumed that the problem had been solved and that I was fully equal and that I'm a part of this new generation where women, we can say that we are fully equal to men and as I've grown, gone through college and started my career, I realized that we're not. (19”)*

KATHERINE IN THE LAB  
KATHERINE & TEAMMATES

*In high school when I wanted to take a computer science class, I was told the boys*

*are probably better so you should focus on things that you'll be good at. And it wasn't until I got to college where I really started to actually challenge those assumptions and then discovered how much I love math and sciences and realize that I have the capacity to not only do well in these classes but use this education to invent and create things myself. So in my junior year me, along with my two co-founders started this company to help health care workers around the world to battle infectious diseases. (37")*

EBOLA BROLL:  
HEALTHCARE WORKERS IN  
THE FIELD

*The project was started in 2014 in response to the Ebola crisis in West Africa. So right now healthcare workers...they are wearing this big yellow suit called the PPE suit. Once you are done treating the patients you're supposed to take off the suit but before you do that they spray you down with bleach to make sure there is no more bacteria or virus left on your suit. One of the biggest problems with Ebola crisis is that there was such a high rate of infection for healthcare workers and a lot of that was from ineffective decontamination. (34")*

SPRAYING "HIGHLIGHT" IN  
THE FIELD  
KATHERINE AND

*So our idea was initially to colorize the solution so you could see where you're*

TEAMMATES  
DEMO SPRAY IN THE LAB  
Liberia

*spraying the transparent disinfectant bleach and therefore have a good idea of what surfaces you covered and what surfaces you haven't. We also learnt that t bleach needs to remain on the surface for 10 minutes for the pathogens to be killed...so we also added a colour marker that would tell you when you can take off the suit. (24")*

KATHERINE COMMENTING  
ON A DEMO SPRAY

*So the cool thing about the colour is that once it completely faded to clear, you'll know that you can touch surface, it will be safe to touch. And while it's still blue you will know that it still has active pathogens on it. (12")*

KATHERINE AND  
TEAMMATES WATCHING  
"HIGHLIGHT" BEING TESTED  
IN THE FIELD  
HEALTHCARE WORKERS  
HEALTHCARE WORKERS  
SPRAYING  
MORE FIELD FOOTAGE

*It's really amazing to be able to improve the confidence of these people who already are sacrificing so much. (8")*

*Right now the technology is limited to bleach sprays which is usually used in NGO- epidemic context, we're expanding it to wipes and hand sanitizers, so we can use it for daily decontamination, also in hospitals, so we can make a big impact on reducing infection rates as a whole. (19")*

KINNOS TEAM WORKING IN  
THE FIELD ALONGSIDE  
HEALTHCARE WORKERS.

*When I wake up in the morning I have goals, when I want to have another*

*implementation in the field. Or I want to develop additional product in this pipeline so we can help or impact more people. (12”)*

*Right now we have some units deployed in Haiti to help treat the cholera outbreak with international medical corps. (6”)*

KATHERINE ON CAM

KATHERINE IN THE FIELD

*As scientists I do think we have a responsibility to make a larger impact in society beyond the research we’re doing. Really taking part actively in discussions. (11”)*

KATHERINE’S PUBLIC PRESENTATION FROM YOUTUBE

*Not only about science related issues- but everything ranging from education to women’s rights. We should have a much bigger footprint in the space. And we should be there to uplift each other and nor bring each other down. (11”)*

KATHERINE ON CAM

ARCHIVE FOOTAGE DEPICTING WOMEN IN SCIENCE

KATHERINE IN THE LAB

*There are a lot of still implicit powers that I holding women back, whether it will be a snide comment like women are not good at math and science, or actual things when you see women earn less than men or women are less likely to get certain jobs. And I think it’s very sad that we have already lost the potential on so many*

*women who have come before me, so I want to make sure that my potential and potentials of my peers, and other women of my generation will be fully realized. (30")*