Press Conference
President of JST

November 19, 2020

Japan Science and Technology Agency

JST's "Plan B" against COVID-19

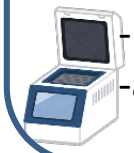
What is "Plan B"?

A multidisciplinary approach to address society in which **we can move, meet, gather and do business freely** under COVID-19 conditions in addition to trials of vaccines and drugs (Plan A).

Present

In the present situation, we need to restrict people's activities

Detect	Clean	Protect
-temperature check -PCR -antigen/antibody test	-hand-washing -alcohol (surface) sterilization	-behavior detection -isolation -masks

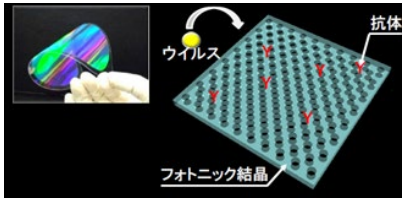


<u>Upgrade our policy-measures using STI innovation</u>

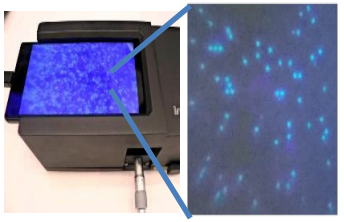
Plan B

detect

High-sensitivity virus detection technology (physical space)

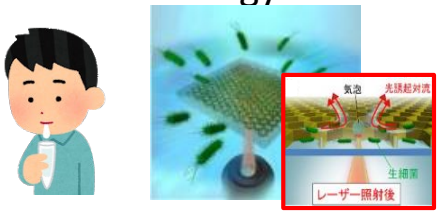


Photonic crystal sheets Under R&D



Digital virus detection method Under R&D

Minimally invasive high-speed high-sensitivity detection technology

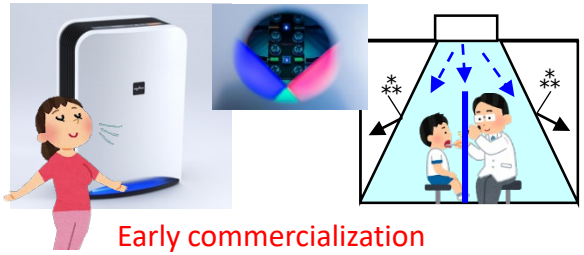


Minimally Invasive High-throughput Optical Condensation System

Under R&D

clean

Deep UV LED (air, water, air curtain, mask sterilization, etc.)

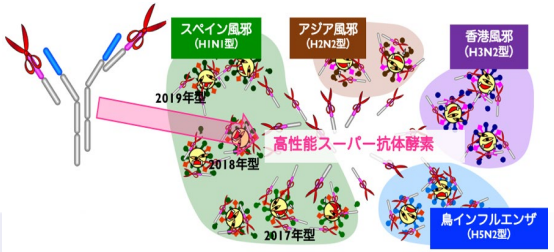


Early commercialization

Ostrich antibody (application to air conditioner filters, etc.)

Early commercialization

Virus inactivation technology (super antibody enzyme)



Under R&D

protect

High-performance mask (Ostrich antibody, etc.)

Ostrich antibody

Practical use

Remote health screening

Cloud service MeDaCa

Practical use

Today's Lecture

Dr. Haramoto Eiji

Dr. Haramoto Eiji

Professor, Interdisciplinary Centre for River Basin Environment, University of Yamanashi

PI for the J-RAPID Collaborative Research "Real-time monitoring of novel coronavirus (SARS-CoV-2) infections using wastewater-based epidemiology approach"

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Research Fellowship for Young Scientists, JSPS (2007)
Assistant Professor(2008), Associate Professor, (2015) , Professor(2020-)
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Today's Lecture

Dr. Minami Tsuyoshi

Dr. Minami Tsuyoshi

Associate Professor, Institute of Industrial Science, The University of Tokyo

PI for the J-RAPID Collaborative Research "Paper-Based Sensor Devices for Rapid and Accurate Detection of COVID-19 "

Tokyo Metropolitan University, PhD. / Postdoctoral Research Associate (2011), Research Assistant Professor, Bowling Green State University (2013), Assistant Professor, Yamagata University (2014), Lecturer (2016), Associate Professor(2019), The University of Tokyo

Dr. Anthony Genot

Dr. Anthony Genot

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University of Oxford, PhD. (2010)
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