
From: Auchincloss, Hugh (NIH/NIAID) [E] [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9304C753BB9E422C977DDDAB54DA924B-AUCHINCLOSS]
Sent: 1/28/2020 4:12:27 PM
To: Crawford, Chase (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=37f84b90ad76401e896782da76cdee86-crawfordca]; Haskins, Melinda (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=545e01141619453bb4fc1dcde6c45887-haskinsm]
CC: Gilles, Sharon (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=339880516bcd4cddb7320d229399d09d-gillesm]
Subject: FW: CNBC: J&J scientific officer 'pretty confident' they can create coronavirus vaccine as outbreak widens

From: Folkers, Greg (NIH/NIAID) [E] (b)(6)
Sent: Tuesday, January 28, 2020 11:11 AM
To: Auchincloss, Hugh (NIH/NIAID) [E] (b)(6)
Subject: FW: CNBC: J&J scientific officer 'pretty confident' they can create coronavirus vaccine as outbreak widens

From: Folkers, Greg (NIH/NIAID) [E] (b)(6)
Sent: Monday, January 27, 2020 10:16 AM
Subject: CNBC: J&J scientific officer 'pretty confident' they can create coronavirus vaccine as outbreak widens

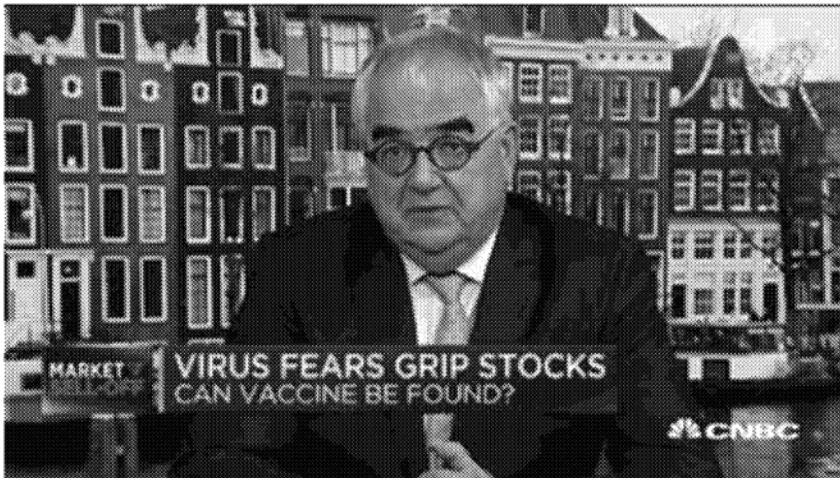
[Health and Science](#)

J&J scientific officer 'pretty confident' they can create coronavirus vaccine as outbreak widens

Published Mon, Jan 27 2020 7:26 AM EST Updated 38 min ago
[Jessica Bursztynsky@jbursz](mailto:Jessica.Bursztynsky@jbursz)

Key Points

- Johnson & Johnson's chief scientific officer said he believes the drugmaker can create a vaccine in the coming months to fight against the fast-spreading coronavirus.
- But Dr. Paul Stoffels said it could take up to a year to bring it to market.
- Stoffels said that J&J needed to start from scratch on this vaccine, much like how it operated in the Zika outbreak.



Johnson & Johnson's chief scientist: We can create a vaccine for the coronavirus

Johnson & Johnson's chief scientific officer, Dr. Paul Stoffels, told CNBC on Monday that he believes the drugmaker can create a vaccine in the coming months to fight against the fast-spreading coronavirus.

But he said it could take up to a year to bring it to market.

"We have dozens of scientists working on this so we're pretty confident we can get something made that will work and stay active for the longer term," said Stoffels, also vice chairman of the executive committee, in a "Squawk Box" interview.

"We'll see in the next few weeks how this goes," he added. Stoffels confirmed the company started working on a coronavirus vaccine two weeks ago.

Chinese officials said there are now more than 2,800 confirmed cases of the flu-like coronavirus, with the death toll rising to 81. It was first identified in the city of Wuhan in Hubei province last month.

More countries are also reporting coronavirus cases, including the U.S., which on Sunday confirmed a fifth case.

The new strain comes from a large family of viruses known as coronaviruses, according to the World Health Organization. They are known to cause illness ranging from the common cold to more severe diseases such as the 2002-2003 outbreak of SARS, or severe acute respiratory syndrome.

Stoffels said the pharmaceutical company needed to start from scratch on this vaccine, much like how it operated in the Zika outbreak. Though Johnson & Johnson could shave two to three months off of that due to technological advances, he said.

"We are going to take an approach with at least five different constructs and different partners and collaborations all over the world in order to see which part of the virus we can use to make an effective vaccine and develop a model that we can invest in," he added.

Drugmaker Moderna also told CNBC last week that it is working with U.S. government health agencies to develop a vaccine for the current strain of coronavirus.

Several companies, including Walt Disney with its Shanghai Disney, are suspending operations until further notice during the normally festive weeklong Lunar New Year holiday to prevent the outbreak from spreading. Starbucks and McDonald's also closed stores in Hubei province.

Authorities also temporarily banned the trade of wild animals in China on Sunday, responding to the outbreak as some consider the virus to have originated in a type of wild animal sold and consumed as food in Wuhan.

Investors worldwide have been rattled by the rapid spread of the virus. The Dow Jones Industrial Average is set to sink about 400 points at Wall Street's open on Monday. U.S. stock futures were under severe pressure, following stock markets around the world lower, as the coronavirus outbreak widened.

Stoffels said that the speed at which the virus is spreading is "scary" but doesn't constitute panic.

"But at the same time, I'm very worried that this could become a global pandemic," he said. "That's why we started working on this vaccine two weeks ago, we have to be prepared that this is going to become a global crisis."

— *CNBC's Saheli Roy Choudhury and The Associated Press contributed to this report.*

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From: Auchincloss, Hugh (NIH/NIAID) [E] [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9304C753BB9E422C977DDDAB54DA924B-AUCHINCLOSS]
Sent: 1/28/2020 3:14:51 PM
To: Gilles, Sharon (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=339880516bcd4cddb7320d229399d09d-gillessm]
Subject: FW: Confirmed: January 29 ICRS Meeting, 3:30PM- 5:00PM - Agenda
Attachments: International Clinical Research Subcommittee Meeting.docx

From: Eiss, Robert (NIH/FIC) [E] (b)(6)
Sent: Tuesday, January 28, 2020 10:14 AM
To: Kline, Lydia (NIH/OD) [E] (b)(6); Smolskis, Mary (NIH/NIAID) [E] (b)(6); Tapley, Kate (NIH/OD) [E] (b)(6); Western, Karl (NIH/NIAID) [V] (b)(6); Millum, Joseph (NIH/CC/BEP) [E] (b)(6); Collier, Elaine (NIH/NCATS) [E] (b)(6); Engelgau, Michael (NIH/NHLBI) [V] (b)(6); Mensah, George (NIH/NHLBI) [E] (b)(6); Kutlesic, Vesna (NIH/NICHD) [E] (b)(6); Nightingale, Stuart (NIH/OD) [C] (b)(6); Gross, Thomas (NIH/NCI) [E] (b)(6); Berger, Adam (NIH/OD) [E] (b)(6); Rausch, Dianne (NIH/NIMH) [E] (b)(6); Higgs, Elizabeth (NIH/NIAID) [E] (b)(6); Auchincloss, Hugh (NIH/NIAID) [E] (b)(6); Handley, Gray (NIH/NIAID) [E] (b)(6); Harshman, Terri (NIH/NCI) [E] (b)(6); Sizemore, Christine (NIH/FIC) [E] (b)(6); Grady, Christine (NIH/CC/BEP) [E] (b)(6); Kilmarx, Peter (NIH/FIC) [E] (b)(6); Officer, Jackie (NIH/FIC) [E] (b)(6); Nuriddin, Fajar (NIH/FIC) [C] (b)(6); Pringle, Beverly (NIH/NIMH) [E] (b)(6); Dickherber, Tony (NIH/NCI) [E] (b)(6)
Cc: Gilles, Sharon (NIH/NIAID) [E] (b)(6); Sparks, Ariana (NIH/NIAID) [E] (b)(6); Scharf, Sarah (NIH/FIC) [E] (b)(6)
Subject: Confirmed: January 29 ICRS Meeting, 3:30PM- 5:00PM - Agenda

Dear colleagues,

This is to reconfirm the next meeting of the International Clinical Research Subcommittee, to convene on **Wednesday, January 29, from 3:30 PM -5:00 PM**. The conference room location is Building 31, Room 7A21

Attached is an agenda. We welcome any suggested additional items/updates.

For those unable to join in person, following are call in -details

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Best regards,

-----Original Appointment-----

From: Eiss, Robert (NIH/FIC) [E]

Sent: Wednesday, January 22, 2020 2:56 PM

To: Kline, Lydia (NIH/OD) [E]; Smolskis, Mary (NIH/NIAID) [E]; Tapley, Kate (NIH/OD) [E]; Western, Karl (NIH/NIAID) [V]; Millum, Joseph (NIH/CC/BEP) [E]; Collier, Elaine (NIH/NCATS) [E]; Engelgau, Michael (NIH/NHLBI) [V]; Mensah, George (NIH/NHLBI) [E]; Kutlesic, Vesna (NIH/NICHHD) [E]; Nightingale, Stuart (NIH/OD) [C]; Gross, Thomas (NIH/NCI) [E]; Berger, Adam (NIH/OD) [E]; Rausch, Dianne (NIH/NIMH) [E]; Higgs, Elizabeth (NIH/NIAID) [E]; Auchincloss, Hugh (NIH/NIAID) [E]; Handley, Gray (NIH/NIAID) [E]; Harshman, Terri (NIH/NCI) [E]; Flores Rivas, Silvia (NIH/NIAID) [E]; Sizemore, Christine (NIH/FIC) [E]; Grady, Christine (NIH/CC/BEP) [E]; Kilmarx, Peter (NIH/FIC) [E]; Officer, Jackie (NIH/FIC) [E]; Nuriddin, Fajar (NIH/FIC) [C]; Pringle, Beverly (NIH/NIMH) [E]

Subject: January ICRS Meeting

When: Wednesday, January 29, 2020 3:30 PM-5:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Building 31, Room TBD

Dear colleagues,

We are rescheduling tomorrow's ICRS meeting to next week, due to conflicting commitments. The meeting will now take place on **Wednesday, January 29, from 3:30 PM-5:00 PM**. I will confirm the conference room location in Building 31. Could you kindly confirm your availability so that we can ensure this date is viable for the group? Thanks for your flexibility

Following are planned agenda topics, and welcome additional ideas:

- *Wuhan coronavirus – plans for a response*
- *GDPR update*
- *Relevant items from World Economic Forum (Dr. Collins participating)*
- *HIROs annual meeting in March*
- *Update on the NIH Common Fund's Harnessing Data Science for Health Discovery and Innovation in Africa program*
- *NCI- Cancer Research UK Grand Challenges - a novel funding model (tentative)*
- *Update on ClinRegs (tentative)*

I am very pleased to welcome Dr. Dianne Rausch to the group. Dianne is replacing Beverly Pringle, (b)(6) I anticipate many of you know Dianne, who serves as Director of NIMH's Division of AIDS Research.

Best,

**International Clinical Research Subcommittee Meeting
January 29, 2020**

- 1. *NCI- Cancer Research UK Grand Challenges Collaboration - a novel partnership model***
Tony Dickherber
Program Director
NCI Center for Strategic Scientific Initiatives, and Director of the NCI Innovative
Molecular Analysis Technologies program.

- 2. *Plans for Wuhan coronavirus response***
Hugh Auchincloss

- 3. (b)(5) *Illumina emerging cooperation to support genomics infrastructure in Africa***
Peter Kilmarx

- 4. *Indonesia's new S&T law, other international updates***
Christine Sizemore

- 5. *GDPR update***
Robert Eiss

- 6. *HIROs agenda, March 12-13, New Delhi***
Robert Eiss

From: Auchincloss, Hugh (NIH/NIAID) [E] [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9304C753BB9E422C977DDDAB54DA924B-AUCHINCLOSS]
Sent: 1/30/2020 9:01:30 PM
To: Harris, Kara (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3e7e298bf5504b0f961b5f25cba86e65-kharris]
CC: Conrad, Patricia (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7ea3e3ea7daa432887495d6825c9e588-conradpa]; Billet, Courtney (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7605eeb349ac41138b32fe3978e3986d-billetec]; Haskins, Melinda (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=545e01141619453bb4fc1dcde6c45887-haskinsm]; Gilles, Sharon (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=339880516bcd4cdbb7320d229399d09d-gillessm]
Subject: FW: Toward Decoding the Human Immune System

From: Wayne Koff <wkoff@humanvaccinesproject.org>
Sent: Thursday, January 30, 2020 2:59 PM
To: Auchincloss, Hugh (NIH/NIAID) [E] (b)(6)
Subject: RE: Toward Decoding the Human Immune System

Thanks Hugh- appreciate the update—Wuhan has captured the imagination of all of us...

Look forward to continuing the dialog.

All the best,

WK

Wayne C. Koff, PhD
President and CEO
Human Vaccines Project
One Penn Plaza, Suite 6178
New York, NY 10119
Phone: 646-479-5404
Email: wkoff@humanvaccinesproject.org
Website: www.humanvaccinesproject.org

From: Auchincloss, Hugh (NIH/NIAID) [E] (b)(6)
Sent: Thursday, January 30, 2020 2:49 PM
To: Wayne Koff <wkoff@humanvaccinesproject.org>
Subject: Toward Decoding the Human Immune System

Dear Wayne,

(b)(4)

Shortly afterward a certain coronavirus took over our attention and things have spun out of control. Tony has spent so much time downtown recently that I have hardly seen him for days. All of this is simply to explain that we are not ignoring your correspondence and will at some point be sure to consider it and get back to you. In the meantime, please have patience and know that we are interested in discussing this further with you.

Many thanks for your understanding.

Best regards,

Hugh

Hugh Auchincloss, M.D.
Deputy Director, NIAID
National Institutes of Health
Bldg. 31 (7A/03), 31 Center Drive, MSC 2520
Bethesda, MD 20892
Phone: (b)(6)

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Sent: 1/30/2020 7:51:36 PM
To: Harris, Kara (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3e7e298bf5504b0f961b5f25cba86e65-kharris]
CC: Conrad, Patricia (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7ea3e3ea7daa432887495d6825c9e588-conradpa]; Billet, Courtney (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7605eeb349ac41138b32fe3978e3986d-billetec]; Haskins, Melinda (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=545e01141619453bb4fc1dcde6c45887-haskinsm]; Gilles, Sharon (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=339880516bcd4cddb7320d229399d09d-gillesm]
Subject: FW: Toward Decoding the Human Immune System

Kara, you can forward my message to Wayne Koff to Building 1 or simply let them know that we've taken care of this for now.

Hugh

From: Auchincloss, Hugh (NIH/NIAID) [E]
Sent: Thursday, January 30, 2020 2:49 PM
To: wkoff@humanvaccinesproject.org
Subject: Toward Decoding the Human Immune System

Dear Wayne,

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Sent: 1/29/2020 3:38:23 PM
To: Eiss, Robert (NIH/FIC) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=707887ee7ba548e1a0ae55f683ce2017-eissr]
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Subject: RE: Confirmed: January 29 ICRS Meeting, 3:30PM- 5:00PM - Agenda

I agree with everything.

Hugh

From: Eiss, Robert (NIH/FIC) [E] (b)(6)
Sent: Wednesday, January 29, 2020 10:27 AM
To: Auchincloss, Hugh (NIH/NIAID) [E] (b)(6)
Cc: Gilles, Sharon (NIH/NIAID) [E] (b)(6)
Subject: FW: Confirmed: January 29 ICRS Meeting, 3:30PM- 5:00PM - Agenda

Hi Hugh,

Although I did not indicate time allocations for the agenda topics this afternoon, since we have generous time and the group is informal, I did suggest to Tony Dickherber of NCI that he speak for around 10 minutes, leaving 5 minutes or more for discussion. He will call in, though two of his colleagues, Andrew Kurtz and Christine Siemon, may join in person for his overview. Also, Sean Hanlon, Deputy Director of NCI's Center for Strategic Scientific Initiatives, will join by phone during that portion of the agenda.

One thought. (b)(5)

(b)(5)

From: Eiss, Robert (NIH/FIC) [E]
Sent: Wednesday, January 29, 2020 9:31 AM
To: Kline, Lydia (NIH/OD) [E] (b)(6); Smolskis, Mary (NIH/NIAID) [E] (b)(6); Tapley, Kate (NIH/OD) [E] (b)(6); Western, Karl (NIH/NIAID) [V] (b)(6); Millum, Joseph (NIH/CC/BEP) [E] (b)(6); Collier, Elaine (NIH/NCATS) [E] (b)(6); Engelgau, Michael (NIH/NHLBI) [V] (b)(6); Mensah, George (NIH/NHLBI) [E] (b)(6); Kutlesic, Vesna (NIH/NICHD) [E] (b)(6); Nightingale, Stuart (NIH/OD) [C] (b)(6); Gross, Thomas (NIH/NCI) [E] (b)(6); Berger, Adam (NIH/OD) [E] (b)(6); Rausch, Dianne (NIH/NIMH) [E] (b)(6); Higgs, Elizabeth (NIH/NIAID) [E] (b)(6); Auchincloss, Hugh (NIH/NIAID) [E] (b)(6); Handley, Gray (NIH/NIAID) [E] (b)(6); Harshman, Terri (NIH/NCI) [E] (b)(6); Sizemore, Christine (NIH/FIC) [E] (b)(6); Grady, Christine (NIH/CC/BEP) [E] (b)(6); Kilmarx, Peter (NIH/FIC) [E] (b)(6); Officer, Jackie (NIH/FIC) [E] (b)(6); Nuriddin, Fajar (NIH/FIC) [C] (b)(6); Pringle, Beverly (NIH/NIMH) [E] (b)(6); Dickherber, Tony (NIH/NCI) [E] (b)(6)
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Subject: RE: Confirmed: January 29 ICRS Meeting, 3:30PM- 5:00PM - Agenda

Dear all

Please note that we now will be meeting in **conference room 7A18**, which has become available, and where we typically convene the meeting. The call-in details remain the same.

Best regards,

From: Eiss, Robert (NIH/FIC) [E]

Sent: Tuesday, January 28, 2020 10:14 AM

To: Kline, Lydia (NIH/OD) [E] (b)(6); Smolskis, Mary (NIH/NIAID) [E] (b)(6); Tapley, Kate (NIH/OD) [E] (b)(6); Western, Karl (NIH/NIAID) [V] (b)(6); Millum, Joseph (NIH/CC/BEP) [E] (b)(6); Collier, Elaine (NIH/NCATS) [E] (b)(6); Engelgau, Michael (NIH/NHLBI) [V] (b)(6); Mensah, George (NIH/NHLBI) [E] (b)(6); Kutlesic, Vesna (NIH/NICHD) [E] (b)(6); Nightingale, Stuart (NIH/OD) [C] (b)(6); Gross, Thomas (NIH/NCI) [E] (b)(6); Berger, Adam (NIH/OD) [E] (b)(6); Rausch, Dianne (NIH/NIMH) [E] (b)(6); Higgs, Elizabeth (NIH/NIAID) [E] (b)(6); Auchincloss, Hugh (NIH/NIAID) [E] (b)(6); Handley, Gray (NIH/NIAID) [E] (b)(6); Harshman, Terri (NIH/NCI) [E] (b)(6); Sizemore, Christine (NIH/FIC) [E] (b)(6); Grady, Christine (NIH/CC/BEP) [E] (b)(6); Kilmarx, Peter (NIH/FIC) [E] (b)(6); Officer, Jackie (NIH/FIC) [E] (b)(6); Nuriddin, Fajar (NIH/FIC) [C] (b)(6); Pringle, Beverly (NIH/NIMH) [E] (b)(6); Dickherber, Tony (NIH/NCI) [E] (b)(6)
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Where: Building 31, Room TBD

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I am very pleased to welcome Dr. Dianne Rausch to the group. Dianne is replacing Beverly Pringle, (b)(6) I anticipate many of you know Dianne, who serves as Director of NIMH's Division of AIDS Research.

Best,

From: Handley, Gray (NIH/NIAID) [E] [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1CEB55D4B673477391C9DA8A3EB3C75C-HANDLEYGR]
Sent: 1/27/2020 5:38:07 PM
To: Auchincloss, Hugh (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9304c753bb9e422c977dddab54da924b-auchincloss]
CC: Dominique, Joyelle (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5c55f75b58f14ab2b2ccbac0a881ccae-dominiquejk]; Robinson, Whitney (NIH/NIAID) [C] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=61415dec679b4802a894cabfc74f19ed-robinsonwhc]; gillis
(b)(6)
Subject: Fwd: Draft Letter to Taiwan CDC
Attachments: Draft Letter to Taiwan CDC_jdedit1.docx; ATT00001.htm

Hugh, please review this note and revise or sign. It should be printed on plain bond. Once signed, I will have delivered through proper channels.

Thanks. G

Page 152 of 192

Withheld pursuant to exemption

(b)(5)

of the Freedom of Information and Privacy Act

Page 153 of 192

Withheld pursuant to exemption

(b)(5)

of the Freedom of Information and Privacy Act

Page 154 of 192

Withheld pursuant to exemption

(b)(5)

of the Freedom of Information and Privacy Act

From: Morens, David (NIH/NIAID) [E] [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=12DE367CC65C42879EA45D128710A383-DMORENS]
Sent: 1/31/2020 9:53:49 PM
To: Fauci, Anthony (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df38103d75134f658ae2d356f0396b94-afauci]; Auchincloss, Hugh (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9304c753bb9e422c977dddab54da924b-auchincloss]
Subject: Potential PHS Officer Deployment

Tony & Hugh, in follow up, the PHS has informed all PHS officers that as of 2/3 they are subject to deployment for coronavirus work "without supervisory approval", meaning that if needed, officers can be deployed and assigned anywhere, for indefinite periods, by the Assistant Secretary of Health.


(b)(5)

I haven't heard anything personally, but just want to let you know. These deployment orders can come with almost no advance warning, although I don't expect that.

David

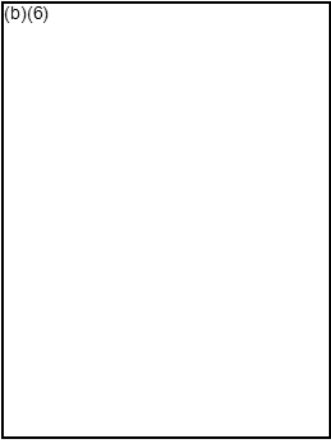
David M. Morens, M.D.

CAPT, United States Public Health Service
Senior Advisor to the Director
Office of the Director
National Institute of Allergy and Infectious Diseases
National Institutes of Health
Building 31, Room 7A-03
31 Center Drive, MSC 2520
Bethesda, MD 20892-2520

 (b)(6) assistants: Kimberly Barasch; Whitney Robinson)
 (b)(6)

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AUCH0000005680



From: Folkers, Greg (NIH/NIAID) [E] [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=614C792839A146B9A8F87A1378519DBD-GFOLKERS]
Sent: 1/31/2020 1:16:11 PM
Subject: CRS: Another Coronavirus Emerges: U.S. Domestic Response to 2019-nCoV
Attachments: IN11212_2020-01-29.pdf



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INSIGHT

Another Coronavirus Emerges: U.S. Domestic Response to 2019-nCoV

January 29, 2020



Another Coronavirus Emerges: U.S. Domestic Response to 2019-nCoV

January 29, 2020

The Emergence of 2019-nCoV

On December 31, 2019, the World Health Organization (WHO) was informed of a cluster of pneumonia cases in Wuhan, China. Illnesses have since been linked to a previously unidentified strain of coronavirus, designated 2019 novel Coronavirus, or 2019-nCoV. To date, thousands have been infected, mostly in China, and over 100 have died. The disease has spread to several other countries, including the United States. As the scope of the epidemic widened in China, the U.S. Centers for Disease Control and Prevention (CDC) stated on January 27, 2020, that “the immediate health risk from the new virus to the general American public is low currently.” With the situation rapidly changing, both WHO and CDC post frequent updates.

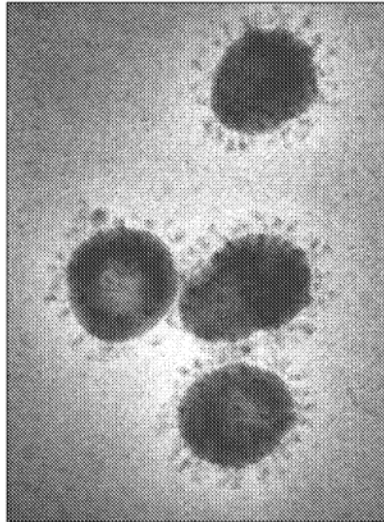
Coronaviruses (see **Figure 1**) are common respiratory pathogens, usually causing mild illnesses such as the common cold. The global health community is closely monitoring 2019-nCoV because of the severity of symptoms (including death) among those infected, and the speed of its spread worldwide. 2019-nCoV is causing the third-serious novel coronavirus outbreak in modern times, following severe acute respiratory syndrome (SARS) in 2002 and Middle East Respiratory Syndrome (MERS) in 2012. Experts do not know the origin of 2019-nCoV, though genetic analysis and other features suggest an animal source.

Congressional Research Service

<https://crsreports.congress.gov>

IN11212

Figure 1. Coronaviruses, Electron Micrograph



Source: CDC Public Health Image Library: <https://phil.cdc.gov/Details.aspx?pid=10270>.

Note: Surface projections on the viral envelope of a poultry coronavirus form the halo or “corona” that gives this virus group its name.

Infection and Transmission

Health officials and researchers are still learning about 2019-nCoV. According to CDC, 2019-nCoV typically causes respiratory infections characterized by a fever, cough, and sometimes breathing difficulty—a suite of symptoms that is common during influenza season. Features that have yet to be clarified include routes of transmission (e.g., through the air, from contaminated surfaces), the incubation period (the time between infection and the onset of symptoms), and whether an infected person without symptoms can transmit infection. Although it was first thought that all 2019-nCoV infections resulted from an animal contact, Chinese officials recently reported evidence of person-to-person transmission.

The U.S. Domestic Response

In the United States, communicable disease control involves collaboration among federal agencies, state health departments, and international partners. Authority to compel isolation (for sick patients), quarantine (for healthy exposed persons), and disease reporting generally rest in state law. The Secretary of Health and Human Services (HHS) and, by delegation, CDC have broad authority to assist in the control of communicable diseases through international cooperation, federal-state cooperation, and public health emergency response activities. In addition, CDC (by delegation) has explicit authority to detain, examine, and release persons arriving into the United States, and traveling between states, who are suspected of having a communicable disease.

Case Identification and Investigation

CDC has developed a diagnostic test for the 2019-nCoV virus, but it is not widely available. At this time, all testing is being done by CDC, which has announced plans to share the test with domestic and international public health partners. Until local testing is available, CDC urges clinicians to consider a patient’s travel history and a 14-day incubation period in deciding whether to obtain patient specimens (e.g., blood, urine) for testing. Health care providers are urged to report possible cases to state and local

health departments, which then report to CDC. CDC is facilitating the collection and transport of specimens.

Although CDC reports that no person-to-person transmission has been confirmed in the United States, disease investigation for confirmed cases involves *contact tracing*—identifying and evaluating individuals who had contact with the patient to determine if transmission has occurred. These investigations are generally conducted by state and local health officials.

Clinical Guidance

No vaccine or specific treatment exists for 2019-nCoV infection at this time. Based on knowledge of the novel virus and other coronaviruses, CDC has developed guidance for isolation and other precautions for *patients under investigation* or receiving supportive care for 2019-nCoV infection. A key goal is the prevention of disease transmission to health care workers, who may be exposed through high-risk procedures such as maintaining an ill patient on a ventilator.

Travel Notices and Entry Screening

CDC and the State Department have issued advisories to reconsider or avoid unnecessary travel to China, including a rare Level 4 advisory from the State Department to avoid all travel to Hubei Province. In collaboration with U.S. Customs and Border Protection, CDC is screening passengers returning on flights from certain areas of China at 20 U.S. airports, looking for symptoms of illness and disseminating information. On January 29, a U.S. government-chartered flight from Wuhan, China, repatriated 201 Americans, who have been screened for illness and advised on procedures to follow should symptoms arise in the coming weeks.

Medical Countermeasures

CDC and the National Institutes of Health (NIH) continue to study the virus to inform response efforts. NIH reports that a vaccine candidate is in development and could be available for initial clinical trials within three months.

Considerations for Congress

CDC and other federal agencies may have the authority needed to respond to the 2019-nCoV epidemic, but they may lack available funds to support their efforts. Annual appropriations and standing transfer authority provide the HHS Secretary with some flexibility. Under certain circumstances the Secretary may access a Public Health Emergency Fund, but the fund does not have an available balance at this time. Generally, funding has not been available under the Robert T. Stafford Disaster Relief and Emergency Assistance Act (the Stafford Act) for the response to infectious disease outbreaks. As a result, Congress provided supplemental appropriations for the response to the recent Ebola and Zika virus outbreaks.

Subsequently in 2018, Congress established an Infectious Disease Rapid Response Reserve Fund (IDRRRF) for CDC, providing \$50 million for FY2019 (P.L. 115-245) and \$85 million for FY2020 (P.L. 116-94), available until expended. These funds can be made available for an infectious disease emergency if the HHS Secretary either (1) declares a Public Health Emergency or (2) determines that the infectious disease outbreak has significant potential to occur and, if it occurs, the potential to affect national security or the health and security of U.S. citizens, both domestically and abroad. HHS Secretary Alex Azar has not declared the 2019-nCoV outbreak to be a Public Health Emergency, but has issued a determination allowing the allotment of \$105 million from the IDRRRF for the 2019-nCoV response.

The trajectory of the 2019-nCoV outbreak is unknown at this time. Congress may choose to conduct oversight of federal response efforts, and monitor the expenditure of funds, as the situation progresses.

Author Information

Sarah A. Lister
Specialist in Public Health and Epidemiology

Kavya Sekar
Analyst in Health Policy

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Sent: 1/28/2020 4:10:05 PM
To: Auchincloss, Hugh (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9304c753bb9e422c977dddab54da924b-auchincloss]
Subject: FW: Biocentury/@steveusdin1: At least 8 #2019-nCoV vaccines under development using a variety of technologies <http://bit.ly/2O4OhjH>

From: Folkers, Greg (NIH/NIAID) [E] (b)(6)
Sent: Monday, January 27, 2020 12:13 PM
Subject: Biocentury/@steveusdin1: At least 8 #2019-nCoV vaccines under development using a variety of technologies <http://bit.ly/2O4OhjH>

At least 8 #2019-nCoV vaccines under development using a variety of technologies. List below. In addition at least three groups are working on mAbs: Regeneron, Vir, and NIH's NIAID. mAbs might be ready faster and provide both prophylaxis and treatment.

Company/group	Vaccine technology
Codagenix Inc.	computationally designed live attenuated virus
CureVac AG, Inovio Pharmaceuticals Inc (funded by CEPI)	RNA vaccine DNA vaccine
Moderna Inc. (partnered w/NIAID, funded by CEPI)	RNA vaccine
Novavax Inc.	Protein-based (recombinant nanoparticles)
Texas Children's Hospital Center for Vaccine Development at Baylor College of Medicine; University of Texas Medical Branch, the New York Blood Center and the Virology Center at Fudan University	Protein-based [investigating repurposing a SARS candidate vaccine and/or creating a new vaccine]
The University of Queensland (funded by CEPI)	Protein-based
University of Saskatchewan's Vaccine and Infectious Disease Organization - International Vaccine Centre	Protein-based

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From: Folkers, Greg (NIH/NIAID) [E] [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=614C792839A146B9A8F87A1378519DBD-GFOLKERS]
Sent: 1/28/2020 4:11:15 PM
To: Auchincloss, Hugh (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9304c753bb9e422c977dddab54da924b-auchincloss]
Subject: FW: CNBC: J&J scientific officer 'pretty confident' they can create coronavirus vaccine as outbreak widens

From: Folkers, Greg (NIH/NIAID) [E] (b)(6)
Sent: Monday, January 27, 2020 10:16 AM
Subject: CNBC: J&J scientific officer 'pretty confident' they can create coronavirus vaccine as outbreak widens

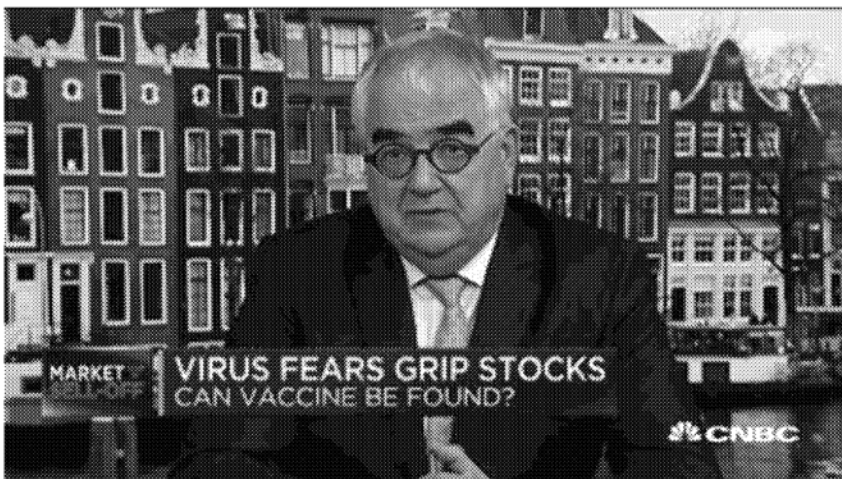
[Health and Science](#)

J&J scientific officer 'pretty confident' they can create coronavirus vaccine as outbreak widens

Published Mon, Jan 27 2020 7:26 AM EST Updated 38 min ago
[Jessica Bursztynsky@jbursz](mailto:Jessica.Bursztynsky@jbursz)

Key Points

- Johnson & Johnson's chief scientific officer said he believes the drugmaker can create a vaccine in the coming months to fight against the fast-spreading coronavirus.
- But Dr. Paul Stoffels said it could take up to a year to bring it to market.
- Stoffels said that J&J needed to start from scratch on this vaccine, much like how it operated in the Zika outbreak.



Johnson & Johnson's chief scientist: We can create a vaccine for the coronavirus

Johnson & Johnson's chief scientific officer, Dr. Paul Stoffels, told CNBC on Monday that he believes the drugmaker can create a vaccine in the coming months to fight against the fast-spreading coronavirus.

But he said it could take up to a year to bring it to market.

“We have dozens of scientists working on this so we’re pretty confident we can get something made that will work and stay active for the longer term,” said Stoffels, also vice chairman of the executive committee, in a [“Squawk Box”](#) interview.

“We’ll see in the next few weeks how this goes,” he added. Stoffels confirmed the company started working on a coronavirus vaccine two weeks ago.

Chinese officials said there are now more than 2,800 confirmed cases of the flu-like coronavirus, with the death toll rising to 81. It was first identified in the city of Wuhan in Hubei province last month.

More countries are also reporting coronavirus cases, including the U.S., which on Sunday confirmed a fifth case.

The new strain comes from a large family of viruses known as coronaviruses, according to the World Health Organization. They are known to cause illness ranging from the common cold to more severe diseases such as the 2002-2003 outbreak of SARS, or severe acute respiratory syndrome.

Stoffels said the pharmaceutical company needed to start from scratch on this vaccine, much like how it operated in the Zika outbreak. Though Johnson & Johnson could shave two to three months off of that due to technological advances, he said.

“We are going to take an approach with at least five different constructs and different partners and collaborations all over the world in order to see which part of the virus we can use to make an effective vaccine and develop a model that we can invest in,” he added.

Drugmaker [Moderna](#) also told CNBC last week that it is [working with](#) U.S. government health agencies to develop a vaccine for the current strain of coronavirus.

Several companies, including [Walt Disney](#) with its Shanghai Disney, are suspending operations until further notice during the normally festive weeklong Lunar New Year holiday to prevent the outbreak from spreading. [Starbucks](#) and [McDonald’s](#) also closed stores in Hubei province.

Authorities also [temporarily banned the trade of wild animals in China](#) on Sunday, responding to the outbreak as some consider the virus to have originated in a type of wild animal sold and consumed as food in Wuhan.

Investors worldwide have been rattled by the rapid spread of the virus. The [Dow Jones Industrial Average](#) is set to sink about 400 points at Wall Street’s open on Monday. U.S. stock futures were under severe pressure, following stock markets around the world lower, as the coronavirus outbreak widened.

Stoffels said that the speed at which the virus is spreading is “scary” but doesn’t constitute panic.

“But at the same time, I’m very worried that this could become a global pandemic,” he said. “That’s why we started working on this vaccine two weeks ago, we have to be prepared that this is going to become a global crisis.”

— *CNBC’s [Saheli Roy Choudhury](#) and [The Associated Press](#) contributed to this report.*

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Sent: 1/28/2020 9:19:48 PM
To: Marston, Hilary (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ab30660917b942ffba9ae95d631116f3-marstonhd]
CC: Auchincloss, Hugh (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9304c753bb9e422c977dddab54da924b-auchincloss]; Dominique, Joyelle (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5c55f75b58f14ab2b2ccbac0a881ccae-dominiquejk]; Bernabe, Gayle (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c78e95b3db24482ba3dcbdedc2d3a003-gbernabe]; Embry, Alan (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=882a18a10a134c49acac21cb83fd599d-embrya]; Lerner, Andrea (NIH/NIAID) [E] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53254f4fb04e4bcbabe37940b4b41887-fennellyam]; Williams, Nekisha (NIH/NIAID) [C] [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e9e7bc0290504cebb3bb2f69854562d7-williamsna]
Subject: RE: Tokyo and Bangkok

Perfect. We will set it up with the hope we can find a time when most all listed are available. Nekisha will work on a time and coordinate with the Japanese.
Thanks. G

-----Original Message-----

From: Marston, Hilary (NIH/NIAID) [E] (b)(6)
Sent: Tuesday, January 28, 2020 2:24 PM
To: Handley, Gray (NIH/NIAID) [E] (b)(6)
Cc: Auchincloss, Hugh (NIH/NIAID) [E] (b)(6)
Subject: RE: Tokyo and Bangkok

Yes that sounds good. Perhaps we limit it to you, me, Alan and Andrea and report back to the rest of the team? Trying to preserve their time

-----Original Message-----

From: Handley, Gray (NIH/NIAID) [E] (b)(6)
Sent: Tuesday, January 28, 2020 2:18 PM
To: Marston, Hilary (NIH/NIAID) [E] (b)(6)
Cc: Auchincloss, Hugh (NIH/NIAID) [E]
Subject: Fw: Tokyo and Bangkok

The Japanese are happy to talk to us about their nCoV research plans and that could include sample sharing. Do you think we should organize an information sharing call with them and select group of our swat team?

Gray

-----Original Message-----

From: 宮川昭二 (b)(6)
Sent: Monday, January 27, 2020 4:10 AM
To: Handley, Gray (NIH/NIAID) [E] (b)(6)
Cc: 一瀬篤 (b)(6); 鎌田俊彦 (b)(6); 浅野武夫 (b)(6); (b)(6); 野田正彦 (b)(6); Marston, Hilary (NIH/NIAID) [E] (b)(6)
Subject: RE: Tokyo and Bangkok

Dear Gray san,

Thank you for your reply.

Should we try to set a conference call sometime during this week?

Time difference between DC and Tokyo would not be very good for the both sides but could you advise when would be suitable for your side? A couple of proposed timeslots would be appreciated.

From Japanese side, experts in NIID and Tokyo universities would be participants, I think.

With Best Regards,

Shoji MIYAGAWA
AMED, Tokyo

-----Original Message-----

From: Handley, Gray (NIH/NIAID) [E] (b)(6)
Sent: Friday, January 24, 2020 1:46 PM
To: 宮川昭二 (b)(6)
Cc: 一瀬篤 (b)(6) 鎌田俊彦 (b)(6) 浅野武夫 (b)(6)
(b)(6) 野田正彦 (b)(6) Marston, Hilary (NIH/NIAID) [E]
(b)(6)
Subject: RE: Tokyo and Bangkok

Dear Shohi san,

We would be very interested in having a conference call with the scientists who are involved in research on the new Coronavirus. If you think this is a good idea please let me know and also who we should involve in a call. We would like to discuss research and development related to diagnostics as well as therapeutics and vaccines.

Although everyone is very busy it might be useful to share information about the work we are doing separately and to discuss what we might more efficiently do together.

Hope you are well and best wishes for the new year.

Gray

-----Original Message-----

From: 宮川昭二 (b)(6)
Sent: Thursday, January 23, 2020 7:26 PM
To: (b)(6) Handley, Gray (NIH/NIAID) [E] (b)(6)
Cc: 一瀬篤 (b)(6) 鎌田俊彦 (b)(6) 浅野武夫 (b)(6)
(b)(6) 野田正彦 (b)(6)
Subject: RE: Tokyo and Bangkok

Dear Gray,

As Prof Iwamoto copied me his communication with you, the contact in AMED on this is me. I am contacting the researchers in the National Institute of Infectious Disease (NIID), Tokyo and Tokyo University. NIID is currently working on the laboratory test tools. And the researchers in Tokyo University is working on an inhibitor of the infection to human and other aspects of coronavirus research.

Medical experts and/or other area can be found although they must be very busy since the second case was confirmed this morning.

With Best Regards,

Shoji MIYAGAWA

Shoji MIYAGAWA, DVM MS
Director, Division of Infectious Disease Research, Department of Research Promotion, the Japan Agency for Medical Research and Development (AMED) 22F Yomiuri Shinbun Bldg.
1-7-1 Otemachi, Chiyoda-ku,
Tokyo, JAPAN 100-0004
E-mail; (b)(6)
Phone; (b)(6)

-----Original Message-----

From: (b)(6)
Sent: Friday, January 24, 2020 8:45 AM
To: Handley, Gray (NIH/NIAID) [E] (b)(6)
Cc: 宮川昭二 (b)(6) 小川靖 (b)(6) 園田美和 (b)(6)
(b)(6) 鈴木友理子 (b)(6) 一瀬篤 (b)(6) 鎌田俊彦
(b)(6) 浅野武夫 (b)(6) 野田正彦 (b)(6)
Subject: RE: Tokyo and Bangkok

Dear Gray,

Thank you for your quick response.
I have cross-copied to Mr Miyagawa who is in charge of this issue in AMED. He will let you know the contact in MHLW. Japan is ver very short of the researchers working on the coronaviruses. I hope some new international collaborations start soon.

My friend t\in the China CDC sent me a news of George in the press- conference representing china. I am contacting him via Wechat but absolutely he is so busy.

I will be in the Tokyo meeting too. I would be free except the eveing February 19th. We can go out on Tuesday the 18th, or Thursday 20th or Friday 21st but I would be a bit late on Thursday and Friday for the clinic. I would be in Bangkok too this year!
Let's keep in touch,

Warm regards,
Aikichi

Aikichi Iwamoto, M.D.
Managing Director
Department of Research Promotion
Japan Agency for Medical Research and Development (AMED) 22F Yomiuri Shimbun Bldg,
1-7-1 Otemachi, Chiyoda-ku
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Telephone: (b)(6)
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(b)(6)

Emeritus Professor, the University of Tokyo Member, WHO STAC-HIV—Hepatitis
Council
International Society for Infectious Diseases (ISID)

国立研究開発法人日本医療研究開発機構 (AMED)

戦略推進部長

〒100-0004

東京都千代田区大手町 1-7-1

読売新聞ビル22階

TEL: (b)(6)

E-mail:

(b)(6)

東京大学名誉教授

> Dear Aikichi, Great to hear from you and Happy New Year!

>

> I do plan to be in Tokyo for a few days in February and it would be great to get together. At this point my evenings are free Feb. 18-21 if any of those work for you. I expect some will be taken with official functions but I don't have details yet. I hope you will be coming to Bangkok too and may even see you at the Tokyo meetings.

>

> We are considerable engaged with the new coronavirus outbreak. Do you know who there in Japan is lead on this and informed about the case that has occurred there? We are eager to form research partnerships with colleagues who are interested in developing diagnostics and vaccines.

>

> Thank you for writing to me. I am very much looking forward to seeing you soon.

>

> Gray

>

> -----Original Message-----

> From: (b)(6)

> Sent: Wednesday, January 22, 2020 6:41 PM

> To: Handley, Gray (NIH/NIAID) [E] (b)(6)

> Subject: Tokyo and Bangkok

>

> Dear Gray,

>

> This year I would be in Bangkok for USJCMSP. I heard that you may be in Tokyo several days before the Bangkok meeting. If it is the case, let's go out.

>

> Warm regards,

> Aikichi

From: Lane, Cliff (NIH/NIAID) [E] [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=2D7E368A3137473BBCE161547A82F2DE-CLANE]

Sent: 1/2/2020 5:16:38 PM

Subject: Leave Free

Attachments: Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; NYU; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Work on Slides and bio for Army R&D due Tuesday; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Review Draft M501; PREP-CIRM Clinical Program 2020-SEP Review Assignments Available; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Leave Free/Test; Untitled Attachment; Untitled Attachment; Untitled Attachment; Untitled Attachment; Call with Jim and John; Untitled Attachment

Start: 3/3/2020 5:00:00 PM

End: 3/3/2020 6:00:00 PM

Show Time As: Busy

Recurrence: Daily
Occurs every day from 12:00 PM to 1:00 PM effective 3/3/2020.

Start: 3/9/2020 3:00:00 PM
End: 3/9/2020 4:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 3/23/2020 1:00:00 PM
End: 3/23/2020 2:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 3/30/2020 12:00:00 PM
End: 3/30/2020 1:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 4/6/2020 2:00:00 PM
End: 4/6/2020 3:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 4/9/2020 3:00:00 PM
End: 4/9/2020 4:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 4/27/2020 7:00:00 PM
End: 4/27/2020 8:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 5/4/2020 6:00:00 PM
End: 5/4/2020 7:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 5/11/2020 5:00:00 PM
End: 5/11/2020 6:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 6/2/2020 6:00:00 PM
End: 6/2/2020 7:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 3/10/2020 6:00:00 PM
End: 3/10/2020 7:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 3/31/2020 6:30:00 PM
End: 3/31/2020 7:30:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 4/7/2020 1:00:00 PM
End: 4/7/2020 2:00:00 PM
Show Time As: Busy

Recurrence: (none)

Subject: NYU

Start: 4/18/2020 4:00:00 PM

End: 4/18/2020 5:00:00 PM

Show Time As: Busy

Recurrence: (none)

JOIN WEBEX MEETING

(b)(6)

Meeting number (access code): (b)(6)

Meeting password: (b)(6)

JOIN FROM A VIDEO SYSTEM OR APPLICATION

Dial sip:(b)(6)@nih.webex.com

You can also dial (b)(6) and enter your meeting number.

JOIN BY PHONE

1-650-479-3208 Call-in toll number (US/Canada)

Tap here to call (mobile phones only, hosts not supported): (b)(6)

Global call-in numbers

<https://nih.webex.com/nih/globalcallin.php?MTID=m25a32e75ec3728d3f3ebc449a6f6d448>

Start: 4/21/2020 1:00:00 PM
End: 4/21/2020 2:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 4/28/2020 3:00:00 PM
End: 4/28/2020 4:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 5/1/2020 1:00:00 PM
End: 5/1/2020 2:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 5/5/2020 6:00:00 PM
End: 5/5/2020 7:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 6/4/2020 3:00:00 PM
End: 6/4/2020 4:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 6/15/2020 7:00:00 PM
End: 6/15/2020 8:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 6/18/2020 5:00:00 PM
End: 6/18/2020 6:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 6/24/2020 5:00:00 PM
End: 6/24/2020 6:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 7/13/2020 2:00:00 PM
End: 7/13/2020 3:00:00 PM
Show Time As: Busy

Recurrence: (none)

Start: 6/22/2020 5:00:00 PM
End: 6/22/2020 6:00:00 PM
Show Time As: Busy

Recurrence: (none)