

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 20 Apr 2020 21:52:37 +0000  
**To:** Roberts, Jacqueline (NIH/OD) [E]  
**Cc:** Wanjek, Christopher (NIH/OD) [E]; Gottesman, Michael (NIH/OD) [E]  
**Subject:** RE: Your COVID-19 talk on Wednesday  
**Attachments:** graham-vmc-cv 2020.docx, GRAHAM - Short bio 2020 V2.docx

See below...

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**From:** Roberts, Jacqueline (NIH/OD) [E] (b) (6) >  
**Sent:** Monday, April 20, 2020 5:21 PM  
**To:** Graham, Barney (NIH/VRC) [E] (b) (6) >  
**Cc:** Wanjek, Christopher (NIH/OD) [E] (b) (6); Gottesman, Michael (NIH/OD) [E] (b) (6) >  
**Subject:** Your COVID-19 talk on Wednesday

Dear Dr. Graham,

We are looking forward to your lecture on Wednesday. There are a few additional items that I need from you in order to finalize the planning of the event.

1. Do you have time tomorrow, Tuesday, April 21 for a 15 minute WebEx test? If so, please let me know your preferred time.

Looks like 2PM could work.

2. Can you please send me your CV? Steve Holland is planning to introduce you at the talk.

CV attached, but also a brief bio. He doesn't need to say too much.

3. We're planning to offer CME credit at your lecture. Can you please submit your disclosure online? Instructions below at the bottom of my message.

OK, will do.

Thanks so much,  
Jackie

Jacqueline Roberts  
Office of Intramural Research

**Complete your disclosure online on Hopkins Cloud CME (JHU manages our CME program).**

Go to the Hopkins CloudCME website at: <https://hopkinscme.cloud-cme.com/aph.aspx>

- o If you have an account, sign in with your user name and password (top left of screenshot) scroll down to the bottom of the page, **click the blue disclosure button**

- If you do not have an account, click the Sign Up button (yellow) and once signed up, follow the steps above
- If you need help contact [cmtechsupport@jhmi.edu](mailto:cmtechsupport@jhmi.edu)



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**From:** "Roberts, Jacqueline (NIH/OD) [E]" <[REDACTED] (b) (6)>  
**Date:** Thursday, April 16, 2020 at 4:32 PM  
**To:** "Graham, Barney (NIH/VRC) [E]" <[REDACTED] (b) (6)>  
**Subject:** Your COVID-19 Lecture Series talk next week

Dear Dr. Graham,

I'm helping with some of the logistics for your COVID-19 lecture next week. I have your lecture title and I'm wondering if you can send me a short lecture summary.

Also, we need to set up a time on Tuesday, April 21 to test the WebEx and videocast stream. What time works best for you? We can be completely flexible.

Thanks so much,  
Jackie

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 24 Apr 2020 19:42:58 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** Keystone eSymposia - Vaccinology in the Age of Pandemics: Strategies Against COVID-19 & Other Global Threats  
**Attachments:** Vaccinology Detailed Schedule.docx

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Thu, 12 Mar 2020 19:13:12 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Bok, Karin (NIH/VRC) [E];Morabito, Kaitlyn (NIH/VRC) [E];Corbett, Kizzmekia (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C];Daucher, Marybeth (NIH/NIAID) [E];Harris, Christina (NIH/NIAID) [E];Wilson, Hope (NIH/VRC) [E];Gupta, Shanker (NIH/VRC) [E];Mueller, Mark (NIH/NIAID) [E];Carlton, Kevin (NIH/VRC) [E];Gall, Jason (NIH/VRC) [C]  
**Cc:** Young, Monique (NIH/VRC) [E];Reilly, Deborah (NIH/VRC) [E];Chapman, Latanya (NIH/VRC) [C];Grier, Sharda (NIH/VRC) [E];Mittelman, Abraham (NIH/VRC) [C];Gama, Lucio (NIH/VRC) [C]  
**Subject:** VRC Internal-Coronavirus Budget/Plan Discussion \*\* CONFIRMATION \*\* - CHANGE OF GOTO INFORMATION  
**Attachments:** Coronavirus Budget DRAFT 13MAR2020.xlsx

**PLEASE NOTE CHANGE OF GOTO INFORMATION**

**\*\*CONFIRMATION \*\***

**Title of Meeting:** VRC Internal-Coronavirus Budget/Plan Discussion

**Principal Meeting Organizer :** Gabriela Alvarado

**Goal of Meeting:** To discuss potential spending plan and budget for newly acquired Coronavirus funding.

**Date:** 3/17/20

**Time:** 12:00PM

**Allotted Time:** 1 hour

**Location:** 40/2<sup>ND</sup> Floor Conference Room

**VRC Participants:** Barney Graham, Karin Bok, Kaitlyn Morabito, Kizzmekia Corbett, Gabriela Alvarado, Marybeth Daucher, Christina Harris, Hope Wilson, Shanker Gupta, Mark Mueller, Kevin Carlton (Remotely) and Jason Gall (Remotely)

**Agenda items:**

1. Introductions
2. Discussion of potential VRC Coronavirus Budget.

Thank you,  
LaTanya

(b) (6)

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Meeting Anytime (K)

Please join my meeting from your computer, tablet or smartphone.

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United States (Toll Free): (b) (6)

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**Access Code:** (b) (6)

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Sun, 15 Mar 2020 20:00:54 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** Science Facebook Live on SARS-CoV-2 Vaccine - Drs. Graham and McLellan

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Tue, 17 Mar 2020 18:41:47 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Bok, Karin (NIH/VRC) [E];Morabito, Kaitlyn (NIH/VRC) [E];Corbett, Kizzmekia (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C];Daucher, Marybeth (NIH/NIAID) [E];Harris, Christina (NIH/NIAID) [E];Wilson, Hope (NIH/VRC) [E];Gupta, Shanker (NIH/VRC) [E];Mueller, Mark (NIH/NIAID) [E];Carlton, Kevin (NIH/VRC) [E];Gall, Jason (NIH/VRC) [C];Gama, Lucio (NIH/VRC) [C];McDermott, Adrian (NIH/VRC) [E]  
**Cc:** Young, Monique (NIH/VRC) [E];Chapman, Latanya (NIH/VRC) [C];Grier, Shardae (NIH/VRC) [E];Glover, Lori (NIH/VRC) [C];Mittelman, Abraham (NIH/VRC) [C]  
**Subject:** VRC Internal-Coronavirus Budget/Plan Discussion 2

**\*\* CONFIRMATION \*\***

**Title of Meeting:** VRC Internal-Coronavirus Budget/Plan Discussion 2

**Principal Meeting Organizer :** Christina Harris

**Goal of Meeting:** To discuss potential spending plan and budget for newly acquired Coronavirus funding.

**Date:** 3/25/20

**Time:** 10:00AM

**Allotted Time:** 1 hour

**Location:** 40/Conference Room 1207

**VRC Participants:** Barney Graham, Karin Bok, Kaitlyn Morabito, Kizzmekia Corbett, Gabriela Alvarado, Marybeth Daucher, Christina Harris, Hope Wilson, Shanker Gupta, Mark Mueller, Kevin Carlton, Jason Gall, Adrian McDermott and Lucio Gama

**Agenda items:**

1. Introductions
2. Discussion of potential VRC Coronavirus Budget.

Thank you,  
LaTanya

(b) (6)

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**Access Code:** (b) (6)

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 18 Mar 2020 18:03:57 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** PI Meeting - \*\*CONFIRMED\*\*

**From:** Austin, Sarah (NIH/NIAID) [E] (b) (6)  
**Sent:** Monday, March 16, 2020 3:17 PM  
**To:** Boritz, Eli (NIH/NIAID) [E] (b) (6); Carlton, Kevin (NIH/VRC) [E] (b) (6); Chen, Grace (NIH/NIAID) [E] (b) (6) Daucher, Marybeth (NIH/NIAID) [E] (b) (6); Douek, Daniel (NIH/VRC) [E] (b) (6); Gall, Jason (NIH/VRC) [C] (b) (6) Gama, Lucio (NIH/VRC) [C] (b) (6); Graham, Barney (NIH/VRC) [E] (b) (6); Harris, Christina (NIH/NIAID) [E] (b) (6) Koup, Richard (NIH/VRC) [E] (b) (6); Kwong, Peter (NIH/VRC) [E] (b) (6); Ledgerwood, Julie (NIH/NIAID) [E] (b) (6) Mascola, John (NIH/VRC) [E] (b) (6); McDermott, Adrian (NIH/VRC) [E] (b) (6); Mittelman, Abraham (NIH/VRC) [C] (b) (6); Roederer, Mario (NIH/VRC) [E] (b) (6); Scorpio, Diana (NIH/VRC) [E] (b) (6); Seder, Robert (NIH/VRC) [E] (b) (6); Stein, Judy (NIH/VRC) [C] (b) (6); Sullivan, Nancy (NIH/VRC) [E] (b) (6); Tramont, Ed (NIH/NIAID) [E] (b) (6); Lindsay, David (NIH/NCI) [C] (b) (6); Abe, Ken (NIH/VRC) [C] (b) (6); Bok, Karin (NIH/VRC) [E] (b) (6); Vazquez, Sandra (NIH/VRC) [C] (b) (6); Prince, Tasheema (NIH/VRC) [C] (b) (6) Hirsch, Marie (NIH/VRC) [E] (b) (6)  
**Cc:** VRC Program Managers <VRCProgramManagers@mail.nih.gov>  
**Subject:** VRC Senior Staff Meeting 3/19 @ 12PM

Good afternoon – we will hold a full Senior Staff meeting this Thursday, March 19, 12-2PM via Zoom. The majority of the meeting will be reviewing COVID-19 related activities. Please send me any specific agenda items in advance.

You should plan to review and test Zoom on your laptop, desktop, or mobile device prior to joining Thursday’s meeting. If you’ve never used Zoom before, you’ll be prompted to download the app before the meeting will open. Please review this tutorial on how to join a Zoom meeting, along with other helpful links and info, can be found at <https://support.zoom.us/hc/en-us/articles/201362193-How-Do-I-join-A-Meeting->. Please let me know if you have any questions, or need help troubleshooting Zoom in advance of the meeting. You are encouraged to use your video so we can see people in real-time when you join the meeting.

**VIDEO/TELECONFERENCE:**

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(b) (6)

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US (Chicago)  
US (San Jose)  
US  
US  
US (Houston)

Meeting ID: (b) (6)

Thank you,  
Sarah

**Sarah Austin, M.S.**  
*VRC Training Coordinator and  
Special Assistant to the Director*  
Office of the Scientific Director  
Vaccine Research Center  
NIAID/NIH  
40 Convent Drive  
Building 40, (b) (6)  
Bethesda, MD 20892  
(b) (6)

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 20 Mar 2020 17:30:46 +0000  
**To:** Bok, Karin (NIH/VRC) [E];Morabito, Kaitlyn (NIH/VRC) [E];Gall, Jason (NIH/VRC) [C];Alvarado, Gabriela (NIH/VRC) [C];Chapman, Latanya (NIH/VRC) [C];Young, Monique (NIH/VRC) [E];Grier, Shardae (NIH/VRC) [E];Suhana, Tina (NIH/VRC) [E]; [REDACTED] (b) (6)  
[REDACTED];Bryan Edward Jones;Julian Davies;Jonathan E Snyder;Allison S Kennington;Corbett, Kizzmekia (NIH/VRC) [E]; [REDACTED] (b) (6)  
**Cc:** Kristi M Huntington;Carlton, Kevin (NIH/VRC) [E]  
**Subject:** Lilly/AbCellera Follow Up Discussion  
**Attachments:** VRC Call 26-MAR-2020.docx

**\*\* CONFIRMATION \*\***

Title of Meeting: Lilly/AbCellera Follow Up Discussion  
Principal Meeting Organizer: Gabriela Alvarado

Goal of Meeting: [REDACTED] (b) (4).

Date: 3/26/20

Time: 1:00PM

Allotted Time: 1 hour

Location: Virtual (Goto Meeting)

VRC Participants: Barney Graham, Kizzmekia Corbett, Karin Bok, Kaitlyn Morabito, John Mascola, Jason Gall and Gabriela Alvarado

AbCellera Participants: Ester Falconer, Payal Sipahimalani, Bo Barnhart and Tryn Stimart

Eli Lilly Participants: Kristi M Huntington, Beverly Heinz, Bryan Edward Jones, Julian Davies, Allison S Kennington, Jonathan E Snyder and Michelle Gao

Agenda: TBD

Thanks,

LaTanya

[REDACTED] (b) (6)

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**Access Code:** [REDACTED] (b) (6)

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Thu, 2 Apr 2020 18:46:47 +0000  
**To:** Morabito, Kaitlyn (NIH/VRC) [E]; Bok, Karin (NIH/VRC) [E]; Corbett, Kizzmekia (NIH/VRC) [E]; Alvarado, Gabriela (NIH/VRC) [C]; Carlton, Kevin (NIH/VRC) [E]; Gall, Jason (NIH/VRC) [C]; Petrik, Amy (NIH/NIAID) [E]; Stein, Judy (NIH/VRC) [C] (b) (6); Chapman, Latanya (NIH/VRC) [C]; Young, Monique (NIH/VRC) [E]; Grier, Shardae (NIH/VRC) [E]  
**Subject:** CoV Collaboration with Medigen Discussion

**\*\* CONFIRMATION \*\***

**Title of Meeting:** CoV Collaboration with Medigen Discussion  
**Principal Meeting Organizer:** Gabriela Alvarado  
**Goal of Meeting:** To discuss (b) (4), in vivostudies and future plans.  
**Date:** 4/3/20  
**Time:** 4:00PM  
**Allotted Time:** 1 hour  
**Location:** Virtual (Zoom Meeting)  
**VRC Participants:** Kaitlyn Morabito, Karin Bok, Kizzmekia Corbett, Barney Graham, Gabriela Alvarado, Kevin Carlton, Jason Gall, Amy Petrik and Judy Stein  
**Medigen Participant:** Michael Malison  
**Agenda:**

1. Introduction

(b) (4)

Thanks,  
LaTanya

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**Join Zoom Meeting**

(b) (6)

**Meeting ID:** (b) (6)

**One tap mobile**

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(b) (6) US  
(b) (6) US (Houston)  
(b) (6) US (San Jose)  
(b) (6) US

**Meeting ID:** (b) (6)

**Find your local number:** <https://zoom.us/j/aej80aTQLj>

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 6 Apr 2020 03:27:49 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Koup, Richard (NIH/VRC) [E];Gall, Jason (NIH/VRC) [C];Carlton, Kevin (NIH/VRC) [E];Morabito, Kaitlyn (NIH/VRC) [E];Corbett, Kizzmekia (NIH/VRC) [E];Ruckwardt, Tracy (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C];Bok, Karin (NIH/VRC) [E];Sally Mossman;Rebecca [REDACTED] (b) (6); [REDACTED];Stein, Judy (NIH/VRC) [C];Petrik, Amy (NIH/NIAID) [E] [REDACTED] (b) (6)  
**Cc:** Young, Monique (NIH/VRC) [E];Chapman, Latanya (NIH/VRC) [C];Thompson, Danielle (NIH/NIAID) [E];Grier, Shardae (NIH/VRC) [E]; [REDACTED] (b) (6);Suhana, Tina (NIH/VRC) [E];Austin, Sarah (NIH/NIAID) [E]  
**Subject:** VRC-GSK Discussion [REDACTED] (b) (4)

Please note the dial in details below have been **updated** to Webex.

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**\*\*CONFIRMATION\*\***

**Title of Meeting:** VRC-GSK Discussion [REDACTED] (b) (4)  
**Principal Meeting Organizer:** Barney Graham  
**Goal of Meeting:** To share [REDACTED] (b) (4)

**Date:** Fri Apr 10<sup>th</sup> 2020

**Time:** 3:30 pm

**Allotted Time:** 1 Hour

**Location:** Virtual (Zoom Meeting)

**VRC Participants:** John Mascola, Barney Graham, Rick Koup, Jason Gall, Kevin Carlton, Kaitlyn Morabito, Kizzmekia Corbett, Tracy Ruckwardt, Gabriela Alvarado, Karin Bok, and Judy Stein

**Other NIAID Participants:** Amy Petrik

**GSK Participants:** Sally Mossman, Rebecca Farkas, Matt Bottomley, Dong Yu, Ann-Muriel Steff, Anna Sambor, Jeffrey Ulmer, Gillian Fenton, Ilaria Pastorello, and Eric Kron

**Agenda:**

-Introductions

[REDACTED] (b) (4)

-Adjourn

Thanks...Monique

[REDACTED] (b) (6)

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-- Do not delete or change any of the following text. --

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### **Join from a video system or application**

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 13 Apr 2020 18:04:28 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** Inaugural COVID-19 Lecture Series Talk - Dr. Hilary Marston, NIAID - The Biomedical Research Response to COVID-19: A View from NIAID  
**Attachments:** Time change for today's COVID-19 Lecture with Hilary Marston (now at 2:00 p.m. ET)



**From:** Jacqueline Roberts  
**Sent:** Wed, 15 Apr 2020 10:04:51 -0400  
**To:** NIH-STAFF@LIST.NIH.GOV  
**Subject:** Time change for today's COVID-19 Lecture with Hilary Marston (now at 2:00 p.m. ET)

Today's inaugural COVID-19 lecture series talk will now begin at 2:00 p.m., rescheduled from 1:00 p.m. See below for additional information.

Please join us for a special remote lecture, "The Biomedical Research Response to COVID-19: A View from NIAID," by Hilary D. Marston, M.D., M.P.H., on Wednesday, April 15, from 2:00 to 3:00 p.m. via <http://videocast.nih.gov>.

The presentation is the first in new series of coronavirus-related lectures organized by the COVID-19 Scientific Interest Group and the NIH Office of Intramural Research. The lectures will take place on Wednesday afternoons.

To watch this lecture live, visit <http://videocast.nih.gov>. This lecture is open to the public. The lecture also will be archived on the NIH Videocast website, should you not be able to watch live or have difficulty watching at the time of the event.

Registration is not required. Individuals with disabilities who need reasonable accommodation to participate in this event should contact Jacqueline Roberts, (b) (6), or the Federal Relay, 800-877-8339.

- The COVID-19 SIG Moderators

For more information about the COVID-19 Scientific Interest Group, refer to <https://oir.nih.gov/sigs/covid-19-scientific-interest-group>.

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Tue, 14 Apr 2020 14:55:34 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C];Corbett, Kizzmekia (NIH/VRC) [E];Morabito, Kaitlyn (NIH/VRC) [E];Carlton, Kevin (NIH/VRC) [E];Ruckwardt, Tracy (NIH/VRC) [E];Roederer, Mario (NIH/VRC) [E];Sullivan, Nancy (NIH/VRC) [E];Seder, Robert (NIH/VRC) [E];Moore, Ian (NIH/NIAID) [E];Young, Monique (NIH/VRC) [E];Grier, Shardae (NIH/VRC) [E];Pringle, Lydia (NIH/VRC) [C];Chu, Gloria (NIH/VRC) [C];Nguyen, Tram (NIH/VRC) [C];Chapman, Latanya (NIH/VRC) [C]  
**Cc:** Scorpio, Diana (NIH/VRC) [E];Todd, John-Paul (NIH/VRC) [E];Foulds, Kathryn (NIH/VRC) [E];Ian Moore  
**Subject:** CoV NHP Study Call Discussion

**\*\* CONFIRMATION \*\***

**Title of Meeting:** CoV NHP Study Call Discussion

**Principal Meeting Organizer:** Gabriela Alvarado

**Goal of Meeting:** To discuss current and future CoV NHP studies.

**Date:** 4/20/20

**Time:** 1:00PM

**Allotted Time:** 1 hour

**Location:** Virtual (Zoom Meeting)

**VRC Participants:** Barney Graham, Gabriela Alvarado, Kizzmekia Corbett, Kaitlyn Morabito, Kevin Carlton, Tracy Ruckwardt, Mario Roederer, Nancy Sullivan and Robert Seder

**NIAID Participant:** Ian Moore

**Agenda:**

1. Review logistics and plans for dose and route COVID study (starts April 27th).
2. Review 1<sup>st</sup> RNA vaccine study- Determine timing of Nasal Swabs and BAL post challenge. Discuss clinical monitoring options post challenge.
3. Review 2<sup>nd</sup> RNA and Inactivated Virus Vaccine Study-
  - Finalize groups for challenge
  - Finalize timing of necropsy post challenge (eg. day 3 and day 7)
  - Tentative study groups

(b) (5)



-Discuss what would be done with additional RNA vaccine groups (b) (5)

4. Next Studies:



(b) (5)

Thanks,  
LaTanya

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Topic: Zoom Meeting (G)  
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(EMEA)  
(Australia)  
(Hong Kong)  
(Brazil)  
(Canada)  
(Japan)

Meeting ID: (b) (6)

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 15 Apr 2020 20:43:18 +0000  
**Subject:** Scientific Program Manager - (b) (6)  
**Attachments:** (b) (6), Agenda - (b) (6).docx

Topic: Zoom Meeting (G)  
Time: This is a recurring meeting Meet anytime

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(b) (6)

Meeting ID: (b) (6)

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(b) (6) # US (Chicago)

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(b) (6) US (Chicago)  
(b) (6) US  
(b) (6) US (Houston)  
(b) (6) US (San Jose)  
(b) (6) US

Meeting ID: (b) (6)

Find your local number: <https://zoom.us/j/aej8OaTQLj>

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(b) (6)

Join by H.323

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(b) (6) (India Hyderabad)  
(b) (6) (EMEA)  
(b) (6) (Australia)  
(b) (6) (Hong Kong)  
(b) (6) (Brazil)  
(b) (6) (Canada)  
(b) (6) (Japan)

Meeting ID: (b) (6)

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 20 Apr 2020 21:49:06 +0000  
**Subject:** VRC Wednesday Afternoon Seminar - Joe Casazza (Mascola Lab) - Immunology Laboratory, Evan Cale (Mascola Lab) - Humoral Immunology Section

**From:** "Prince, Tasheema (NIH/VRC) [C]" (b) (6)  
**Date:** Monday, April 20, 2020 at 5:34 PM  
**To:** VRC Communications <VRCCommunications@niaid.nih.gov>  
**Subject:** VRC Wednesday Seminar (Apr. 22) - Joe Casazza & Evan Cale  
Dear Colleagues:

The Vaccine Research Center's Wednesday Afternoon Seminar Series resumes this Wednesday, April 22<sup>nd</sup>! This week's seminar will feature presentations by:

**Joe Casazza** on "Durable HIV-1 Broadly Neutralizing Antibody Production in Humans after AAV8-Mediated Gene Transfer" **and Evan Cale** on "Immortalization of B Cells from COVID-19 Patients to Support SARS-CoV-2 Neutralizing Ab Discovery"

**Date:** Wednesday, April 22 @ Noon  
**Location:** Zoom Meeting | (b) (6)  
**Meeting ID:** (b) (6)  
**Tel:** (b) (6) US



## Vaccine Research Center Wednesday Afternoon Virtual Seminar

Date: Wednesday, April 22  
Time: 12:00 noon  
Location: Zoom Meeting (see link)



**Evan Cale**  
Humoral Immunology Section  
"Immortalization of B Cells from  
COVID-19 Patients to Support SARS-CoV-2  
Neutralizing Ab Discovery"



**Joe Casazza**  
Immunology Laboratory  
"Durable HIV-1 Broadly Neutralizing  
Antibody Production in Humans after  
AAV8-Mediated Gene Transfer"

*This is an internal seminar for the VRC and all content is confidential.  
Select other NIAID employees are also invited. Contact the VRC if you  
have questions or to suggest additional participants.*



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**This is an internal seminar for the VRC and all content is confidential. Select other NIAID employees are also invited. Please do not forward this webinar information – contact the VRC if you have any questions or to suggest additional participants.**

### **Zoom Meeting Details:**

Join via: [redacted] (b) (6)

Meeting ID: [redacted] (b) (6)

Phone: [redacted] (b) (6)

Meeting ID: [redacted]

**Upon joining please MUTE your phone.** Remote participants who are not muted and/or unidentified will be dropped from the conference by the organizer.

Looking forward,  
Tasheema Prince

**Tasheema Prince**

Communications Team

Vaccine Research Center, NIAID, NIH

40 Convent Drive, Bldg 40, Room 1107

Bethesda, MD 20892

(b) (6)

(b) (6)



**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 22 Apr 2020 16:06:53 +0000  
**To:** Bok, Karin (NIH/VRC) [E]; Kanekiyo, Masaru (NIH/VRC) [E]; Alvarado, Gabriela (NIH/VRC) [C]; Gall, Jason (NIH/VRC) [C]; Ledgerwood, Julie (NIH/NIAID) [E]; Carlton, Kevin (NIH/VRC) [E]; [REDACTED] (b) (6); Liska, Vladimir; [REDACTED] (b) (6); Warfield, Kelly; Young, Monique (NIH/VRC) [E]; Chapman, Latanya (NIH/VRC) [C]; Grier, Sharda (NIH/VRC) [E]; Taylor, Stephanie (NIH/NIAID) [E]; Adams, Will (NIH/VRC) [C]; Moin, Syed (NIH/VRC) [E]; [REDACTED] (b) (6); [REDACTED]; Stein, Judy (NIH/VRC) [C]  
**Cc:** Kaltovich, Florence (NIH/VRC) [C]  
**Subject:** VRC-Emergent Flu Discussion  
**Attachments:** Emergent May 8 2020\_final.docx, UniFlu\_VRC\_08\_May 2020\_FINAL[1].pdf

**\*\* CONFIRMATION \*\***

**Title of Meeting:** VRC-Emergent Flu Discussion

**Principal Meeting Organizer:** Karin Bok

**Goal of Meeting:** [REDACTED] (b) (4)

**Date:** 5/8/20

**Time:** 1:00PM

**Allotted Time:** 2 Hours

**Location:** Virtual (Zoom Meeting)

**VRC Participants:** Barney Graham, Karin Bok, Masaru Kanekiyo, Gabriela Alvarado, Jason Gall, Julie Ledgerwood, Kevin Carlton, Will Adams and Syed Moin

**Emergent BioSolutions Participants:** Sukjoon Park, Vladimir Liska, Rebecca Karimr, Kelly Warfield, Spencer Stonier, Michael Lacy, Jie Feng, Lu Hang, Bojan Drobic, Hope Jeren and Ravi Anantha

**Agenda:** Attached

Thanks,  
LaTanya

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Topic: Zoom Meeting (M)

Join Zoom Gov Meeting

[REDACTED] (b) (6)

Meeting ID: [REDACTED] (b) (6)

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[REDACTED] JS (New York)

Dial by your location

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[REDACTED] US (New York)  
[REDACTED] US Toll-free

Meeting ID: (b) (6)

Find your local number: <https://www.zoomgov.com/j/aeHqmbd9gs>

Join by SIP

(b) (6)

Join by H.323

(b) (6) (US West)

(b) (6) (US East)

Meeting ID: (b) (6)

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Thu, 23 Apr 2020 21:31:22 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** CORONAVIRUS UPDATE: 2nd NIH Virtual Town Hall  
**Attachments:** CORONAVIRUS UPDATE: 2nd NIH Virtual Town Hall on Friday, April 24 at 1:00 p.m. ET

**From:** NIH Executive Secretariat  
**Sent:** Wed, 15 Apr 2020 17:30:59 +0000  
**To:** List NIH-ALL-STAFF  
**Subject:** CORONAVIRUS UPDATE: 2nd NIH Virtual Town Hall on Friday, April 24 at 1:00 p.m. ET

NIH Director Francis Collins will host a second Virtual Town Hall to update the NIH Community on NIH's activities in response to the COVID-19 pandemic and answer your questions. All NIH employees, contractors, fellows, and trainees are invited to join.

**The event is on Friday, April 24, 2020, from 1:00 p.m. – 1:45 p.m. Eastern Time.**

Please **submit your questions in advance using the subject line: TOWN HALL QUESTION to [CoronavirusStaffQuery@od.nih.gov](mailto:CoronavirusStaffQuery@od.nih.gov) by 5:00 p.m. ET on Monday, April 20.** We will sort the questions and responses to the top 40 most frequently asked questions will be provided during the live event.

We recommend that you join at least 10 minutes before the town hall begins. **PLEASE NOTE: You must disconnect from NIH VPN and close other running applications on your computer to watch the webcast.**

#### **Virtual Town Hall Details:**

WEBCAST LINK: (b) (5)

*Moderated by Francis Collins, NIH Director*

*Additional participants available to answer questions:*

- Alfred Johnson, NIH Deputy Director for Management
- Julie Berko, NIH Chief People Officer
- Colleen McGowan, NIH Associate Director for Research Services

#### **Instructions on how to view the NIH Virtual Town Hall:**

1. Disconnect from NIH VPN and close other running applications on your computer. You may also watch this webcast using your smartphone.
2. Click on Webcast link: (b) (5)
3. Enter your first and last name in "Display Name" field.
4. Enter your NIH email in "Email" field.
5. Check the consent/authorization box.
6. Sign in as guest.
7. When the event is visible, click "unmute" in the upper right corner of the event window to hear the streamed audio from your computer speakers. Use your computer to adjust the volume.
8. A question mark icon is available on the right side. To ask a question, click on the icon, enter your question in the box, and hit submit. You will only be able to see your questions, not all questions. Also please note, the chat function is not enabled for this event.
9. A recording of the virtual town hall will be available on the intranet page:

(b) (5)



To view the event on an iPhone/iPad or Android device, click on the webcast link and follow the sign in as guest steps.

If you have issues joining the virtual town hall, please contact the NIH Service Desk, <https://itservicedesk.nih.gov> or 301-496-4357 (HELP).

Additional Resources:

- NIH Intranet page for staff on coronavirus: [REDACTED] (b) (5)
- Webpage: <https://www.nih.gov/health-information/coronavirus>

The webcast will include closed captioning and sign language interpreters. If you need other reasonable accommodations to participate in this event, please contact Amanda Fine [REDACTED] (b) (6) [REDACTED] (b) (6) and/or the Federal Relay (1.800.877.8339).

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 24 Apr 2020 19:31:53 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Corbett, Kizzmekia (NIH/VRC) [E];Morabito, Kaitlyn (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C]; [REDACTED] (b) (6)  
**Cc:** Young, Monique (NIH/VRC) [E];Chapman, Latanya (NIH/VRC) [C];Baric, Toni C  
**Subject:** VRC/UNC Murine Data Update Discussion

**\*\*CONFIRMATION\*\***

**Title of Meeting:** VRC/UNC Murine Data Update Discussion  
**Principal Meeting Organizer:** Gabriela Alvarado  
**Goal of Meeting:** [REDACTED] (b) (4)  
**Date:** Fri May 1<sup>st</sup> 2020  
**Time:** 4:00 pm  
**Allotted Time:** 1 Hour  
**Location:** Virtual (Zoom Meeting)  
**VRC Participants:** Barney Graham, Kizzmekia Corbett, Kaitlyn Morabito, and Gabriela Alvarado  
**UNC Participants:** David Martinez, Kenneth Dinnon, Alexandra Schaefer, Ralph Baric, and Sarah Leist  
**Agenda:** [REDACTED] (b) (4)

Thanks...Monique  
[REDACTED] (b) (6)

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Topic: Join Zoom Meeting (G)

Join ZoomGov Meeting  
[REDACTED] (b) (6)

Meeting ID: [REDACTED] (b) (6)  
One tap mobile  
[REDACTED] (b) (6) US (San Jose)  
[REDACTED] US (New York)

Dial by your location  
[REDACTED] (b) (6) US (San Jose)  
[REDACTED] US (New York)  
[REDACTED] US Toll-free

Meeting ID: [REDACTED] (b) (6)  
Find your local number: <https://www.zoomgov.com/join/91234567890>

Join by SIP

[REDACTED] (b) (6)

Join by H.323

[REDACTED] (b) (6)(US West)  
[REDACTED] (US East)

Meeting ID: [REDACTED] (b) (6)

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 24 Apr 2020 19:36:57 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** Virtual - Keystone Vaccinology eSymposia - Vaccinology in the Age of Pandemics: Strategies Against COVID-19 & Other Global Threats - June 15 - 16, 2020  
**Attachments:** Vaccinology Detailed Schedule.pdf

Kristina Horton <[kristinah@keystonesymposia.org](mailto:kristinah@keystonesymposia.org)>

***Kristina H. Richardson, MS***

Scientific Advisory Board Coordinator  
Administrative Assistant: CSO & Global Development  
+ 1 970.262.2692 | [kristinah@keystonesymposia.org](mailto:kristinah@keystonesymposia.org)

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Visit [virtual.keystonesymposia.org](http://virtual.keystonesymposia.org) to view our digital content.

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Tue, 21 Jan 2020 23:19:52 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** 3:00 pm - Dr. Fauci and CNN Lab Visit - Coronavirus Team - Wuhan Virus -  
January 22, 2020

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 31 Jan 2020 14:40:53 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** Travel - Global Research and Innovation Forum: Towards a Roadmap for the  
2019 Novel Coronavirus - February 11-12, 2020 - Geneva, Switzerland

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 31 Jan 2020 22:43:37 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** 11:00 am - 4:00 pm - ABC News Filming - VRC 2608 - Drs. Fauci, Graham, and Corbett - TIME TBD - Feb 3, 2020  
**Attachments:** FW: heads up



**From:** Corbett, Kizzmekia (NIH/VRC) [E]  
**Sent:** Fri, 31 Jan 2020 22:31:34 +0000  
**To:** Fisher, Brian (NIH/VRC) [E]  
**Subject:** FW: heads up

--

**Kizzmekia S. Corbett, PhD**  
**Senior Research Fellow | Scientific Lead**  
**Coronavirus Vaccines & Immunopathogenesis (coVip) Team**  
Viral Pathogenesis Laboratory | Vaccine Research Center  
National Institutes of Allergy and Infectious Diseases  
National Institutes of Health

Building 40 Room 2608  
40 Convent Drive  
Bethesda MD 20892  
Laboratory: (b) (6)  
Personal (b) (6)  
Fax: (301) 480-2771

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**From:** "Routh, Jennifer (NIH/NIAID) [E]" (b) (6) >  
**Date:** Friday, January 31, 2020 at 5:10 PM  
**To:** "Hiatt, Nissa (NIH/VRC) [C]" (b) (6), Barney Graham  
(b) (6) >, Kizzmekia Corbett (b) (6)  
**Subject:** RE: heads up

I still haven't heard back from ABC. But I know the only gaps in Dr. Fauci's schedule right now on Monday are 11-1 and 3-4. We warned ABC it might get cancelled last minute and I am waiting to hear if they still want to come.

If this moves forward, I was thinking they would do a half hour of b-roll first if they need it—I sent them the b-roll package we already filmed. Then Dr. Fauci would come to the lab and they would do 15 mins of Dr. Fauci talking to Dr. Ashton with the computer screen and then hand held model. Dr. Fauci will likely want Dr. Corbett and/or Dr. Graham on hand if he has questions. Then we would have a half hour for an interview between Dr. Ashton and Dr. Fauci.

Nissa—do you know if the large conference room downstairs is available on Monday? That would be ideal location for the interview so they can go right from the lab and head downstairs. If not, I probably will have to have ABC send another crew to set up in his office.

Jennifer Routh [E]  
News and Science Writing Branch  
Office of Communications and Government Relations

National Institute of Allergy and Infectious Diseases (NIAID)  
NIH/HHS  
31 Center Drive Room 7A17C  
Bethesda, MD 20892

Direct: (b) (6)  
(b) (6)

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**From:** Routh, Jennifer (NIH/NIAID) [E]  
**Sent:** Friday, January 31, 2020 10:23 AM  
**To:** Hiatt, Nissa (NIH/VRC) [C] (b) (6); Graham, Barney (NIH/VRC) [E]  
(b) (6); Corbett, Kizzmekia (NIH/VRC) [E] (b) (6)>  
**Subject:** RE: heads up

Honestly not sure but will let you know what I know ASAP.

Jennifer Routh [E]  
News and Science Writing Branch  
Office of Communications and Government Relations  
National Institute of Allergy and Infectious Diseases (NIAID)  
NIH/HHS  
31 Center Drive Room 7A17C  
Bethesda, MD 20892  
Direct: (b) (6)  
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**From:** Hiatt, Nissa (NIH/VRC) [C] (b) (6)  
**Sent:** Friday, January 31, 2020 10:05 AM  
**To:** Routh, Jennifer (NIH/NIAID) [E] (b) (6)>; Graham, Barney (NIH/VRC) [E]  
(b) (6); Corbett, Kizzmekia (NIH/VRC) [E] (b) (6)  
**Subject:** RE: heads up

Thanks for the heads up, Jen. Drs. Graham and Corbett, please let us know if you have any can't-miss scheduling on Monday.

If ABC does come to campus, Jen, do you anticipate that they would interview in the lab?

We will stay tuned.

Best,  
Nissa

**Nissa Hiatt**

Communications

Vaccine Research Center, NIAID, NIH  
40 Convent Drive, Bldg 40, Room 1107  
Bethesda, MD 20892

(b) (6)  
(b) (6)

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**From:** Routh, Jennifer (NIH/NIAID) [E] (b) (6)  
**Sent:** Friday, January 31, 2020 9:58 AM  
**To:** Hiatt, Nissa (NIH/VRC) [C] (b) (6); Graham, Barney (NIH/VRC) [E]  
(b) (6); Corbett, Kizzmekia (NIH/VRC) [E] (b) (6)  
**Subject:** heads up

ABC's Dr. Jen Ashton has requested to come to campus on Monday. I am trying to see if we can use our new b-roll, but Courtney and I will have to have a discussion with ASF as he invited them. Scheduling is very difficult at the moment.

Jennifer Routh [E]  
News and Science Writing Branch  
Office of Communications and Government Relations  
National Institute of Allergy and Infectious Diseases (NIAID)  
NIH/HHS  
31 Center Drive Room 7A17C  
Bethesda, MD 20892  
Direct: (b) (6)  
(b) (6)

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Thu, 6 Feb 2020 21:42:47 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Mascola, John (NIH/VRC) [E];Ledgerwood, Julie (NIH/NIAID) [E];Bok, Karin (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C];Corbett, Kizzmekia (NIH/VRC) [E];Gall, Jason (NIH/VRC) [C];Morabito, Kaitlyn (NIH/VRC) [E];Petrik, Amy (NIH/NIAID) [E];Stein, Judy (NIH/VRC) [C];Rajanikanth Rau;Ramesh Matur;r [REDACTED] (b) (6)  
**Cc:** Suhana, Tina (NIH/VRC) [E];Taylor, Stephanie (NIH/NIAID) [E];Grier, Shardae (NIH/VRC) [E];Young, Monique (NIH/VRC) [E];Chapman, Latanya (NIH/VRC) [C]  
**Subject:** VRC/Biological E Coronavirus Vaccine Discussion

**Note:** The dial in details for this discussion have been updated. Please use the dial in details below.

\*\*\*\*\*

**\*\*CONFIRMATION\*\***

**Title of Meeting:** VRC/Biological E Coronavirus Vaccine Discussion

**Principal Meeting Organizer:** Barney Graham

**Goal of Meeting:** To discuss [REDACTED] (b) (4) SARS-CoV-2 vaccine.

**Date:** Tue March 10<sup>th</sup> 2020

**Time:** 10:00 am EDT\7:30 pm IST

**Allotted Time:** 1 Hour

**Location:** 40/Conference Room 1207 (Goto Meeting)

**VRC Participants:** John Mascola, Barney Graham, Julie Ledgerwood, Karin Bok, Gabriela Alvarado, Kaitlyn Morabito, Kizzmekia Corbett, Jason Gall, Any Petrik, and Judy Stein

**Biological E. Limited Participants:** Rajanikanth Rau, Ramesh Matur, and Narender Mantena

**Agenda:**

1. eBio review of [REDACTED] (b) (4)
2. VRC review of CoV [REDACTED] (b) (4)
3. Discussion [REDACTED] (b) (4)

Thanks...Monique

[REDACTED] (b) (6)

\*\*\*\*\*

**Meet Anytime (K)**

**Please join my meeting from your computer, tablet or smartphone.**

[REDACTED] (b) (6)

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United States: [REDACTED] (b) (6)

India (Toll Free): [REDACTED] (b) (6)

Access Code: (b) (6)

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 10 Feb 2020 15:21:01 +0000  
**To:** Graham, Barney (NIH/VRC) [E]  
**Subject:** Rob Stein, NPR (Drs. Graham/Corbett) - NIssa  
**Attachments:** NPR Visit Tuesday Feb. 18



**From:** Hiatt, Nissa (NIH/VRC) [C]  
**Sent:** Fri, 14 Feb 2020 19:35:27 +0000  
**To:** VRC\_CoV  
**Cc:** Young, Monique (NIH/VRC) [E]; Harris, Christina (NIH/NIAID) [E]; Prince, Tasheema (NIH/VRC) [C]  
**Subject:** NPR Visit Tuesday Feb. 18  
**Attachments:** Agenda for VRC Tour - NPR\_18Feb2020.docx

Hi VRC CoV team,

Sharing the agenda again for Tuesday's visit from NPR. Please let me know if you have any questions or updates.

At 11:30 AM, I will bring Rob Stein, NPR and Anne Oplinger from the NIAID News and Science Writing Branch up to Barney's office for his interview. Afterwards we will move to the lab for a quick tour. Right now Kizzy's interview is planned to take place in the lab but if it proves too loud for radio, we might need to use Barney's office as a backup.

Rob will take photos so please help with a visual check for safety and confidentiality. He'd like to record some ambient sound in the lab so confidentiality would also apply there. Rob covers the health and medicine beat for NPR in addition to being the senior editor at the NPR science desk. His stories are available [here](#) if you would like to see how he has covered coronavirus.

Please be in touch if there are additional scheduling or content considerations.

Have a great weekend,  
Nissa

**Nissa Hiatt**  
Communications  
Vaccine Research Center, NIAID, NIH  
40 Convent Drive, Bldg 40, Room 1100  
Bethesda, MD 20892

(b) (6)

(b) (6)





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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 19 Feb 2020 20:28:22 +0000  
**To:** Graham, Barney (NIH/VRC) [E]; Bok, Karin (NIH/VRC) [E]; Gall, Jason (NIH/VRC) [C]; Stein, Judy (NIH/VRC) [C]; Morabito, Kaitlyn (NIH/VRC) [E]; Corbett, Kizzmekia (NIH/VRC) [E]; [REDACTED] (b) (6)  
**Cc:** Grier, Shardae (NIH/VRC) [E]; Suhana, Tina (NIH/VRC) [E]; Chapman, Latanya (NIH/VRC) [C]; Young, Monique (NIH/VRC) [E]  
**Subject:** VRC-IAVI Coronavirus Discussion

**\*\* CONFIRMATION \*\***

**Title of Meeting:** VRC-IAVI Coronavirus Discussion  
**Principal Meeting Organizer:** Karin Bok  
**Goal of Meeting:** Discuss respective progress on Coronavirus research and development.  
**Date:** 3/3/20  
**Time:** 11:00AM  
**Allotted Time:** 1 hour  
**Location:** 40/2<sup>ND</sup> Floor Conference Room (Goto Meeting)  
**VRC Participants:** Barney Graham, Karin Bok, John Mascola, Jason Gall (remotely), Judy Stein (remotely), Kaitlyn Morabito and Kizzmekia Corbett  
**IAVI Participants:** Chris Parks, Lisa Welch, Jonathan Hare, Min Ding and Eddy Sayeed  
**Agenda:** IAVI proposal:

1. Brief description of what IAVI is proposing to do with VSV-SARS-CoV2.
2. Brief summary of VRCs Coronavirus programs [REDACTED] (b) (4)
3. [REDACTED] (b) (4)
4. [REDACTED]
5. [REDACTED]

Thanks,  
LaTanya  
[REDACTED] (b) (6)

\*\*\*\*\*

**Meeting Anytime (K)**

**Please join my meeting from your computer, tablet or smartphone.**  
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**You can also dial in using your phone.**  
United States (Toll Free): [REDACTED] (b) (6)

United States:  (b) (6)

**Access Code:**  (b) (6)

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 19 Feb 2020 23:36:52 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Heather Youngs;Chris Somerville  
**Cc:** Suhana, Tina (NIH/VRC) [E];Young, Monique (NIH/VRC) [E]  
**Subject:** VRC and The Open Philanthropy Project Discussion

**\*\*CONFIRMATION\*\***

**Title of Meeting:** VRC and The Open Philanthropy Project Discussion

**Principal Meeting Organizers:** Barney Graham

**Goal of Meeting:** To discuss Coronavirus efforts and the Baker/King Influenza Vaccine Project

**Date:** Mon Mar 2<sup>nd</sup> 2020

**Time:** 2:00 pm

**Allotted Time:** 30 Minutes

**Location:** 40/John's Office (Conference Call)

**VRC Participants:** John Mascola and Barney Graham

**The Open Philanthropy Project Participants:** Heather Youngs and Chris Somerville

**Agenda:**

1. Coronavirus efforts
2. Update on Baker/King Influenza Vaccine Project (if time permits)

**Dial in Details:**

Toll Free: (b) (6)

Toll: (b) (6)

Participant Code: (b) (6)

Thanks...Monique

(b) (6)

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 21 Feb 2020 23:06:40 +0000  
**To:** Graham, Barney (NIH/VRC) [E]; Bok, Karin (NIH/VRC) [E]; Ledgerwood, Julie (NIH/NIAID) [E]; Morabito, Kaitlyn (NIH/VRC) [E]; Corbett, Kizzmekia (NIH/VRC) [E]; Gall, Jason (NIH/VRC) [C]; Carlton, Kevin (NIH/VRC) [E]; Daucher, Marybeth (NIH/NIAID) [E]; Harris, Christina (NIH/NIAID) [E]; [REDACTED] (b) (6); Gordon Joyce; Chen, Grace (NIH/NIAID) [E]; Gabriela Alvarado  
**Cc:** Chapman, Latanya (NIH/VRC) [C]; Young, Monique (NIH/VRC) [E]; Grier, Shardae (NIH/VRC) [E]; Reilly, Deborah (NIH/VRC) [E]; Taylor, Stephanie (NIH/NIAID) [E]; Suhana, Tina (NIH/VRC) [E]  
**Subject:** VRC-WRAIR Coronavirus Discussion  
**Attachments:** WRAIR Feb 2020 Agenda (002).docx

**\*\*CONFIRMATION\*\***

**Title of Meeting:** VRC-WRAIR Coronavirus Discussion  
**Principal Meeting Organizer:** Karin Bok  
**Goal of Meeting:** To discuss respective progress on Coronavirus research and development.  
**Date:** Feb 25, 2020  
**Time:** 11:00am  
**Allotted Time:** 1 hour  
**Location:** 40/Conference Room 1207 (Goto Meeting)  
**VRC Participants:** Barney Graham, John Mascola, Karin Bok, Julie Ledgerwood, Kaitlyn Morabito, Kizzmekia Corbett, Jason Gall (optional), Kevin Carlton (optional), Marybeth Daucher (optional), Christina Harris (optional), Grace Chen and Gabriella Alvarado  
**WRAIR Participants:** Nelson Michael, Kayvon Modjarrad and Gordon Joyce  
**Agenda:** Attached

Thank you,  
Latanya  
[REDACTED] (b) (6)

\*\*\*\*\*

**Meeting Anytime**

**Please join my meeting from your computer, tablet or smartphone.**

[REDACTED] (b) (6)

**You can also dial in using your phone.**

United States (Toll Free): [REDACTED] (b) (6)

United States: [REDACTED] (b) (6)

**Access Code:** [REDACTED] (b) (6)

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

(b) (6)

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 4 Mar 2020 16:31:53 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Ruckwardt, Tracy (NIH/VRC) [E];Corbett, Kizzmekia (NIH/VRC) [E];Morabito, Kaitlyn (NIH/VRC) [E];Bok, Karin (NIH/VRC) [E];Daniela Weiskopf;Alessandro Sette;Alba Grifoni  
**Cc:** Chapman, Latanya (NIH/VRC) [C];Young, Monique (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C]  
**Subject:** SARS - CoV-2T Cell Assay Discussion

**Title of Meeting:** SARS-CoV-2 T Cell Assay Discussion

**Principal Meeting Organizer:** Kaitlyn Morabito

**Goal of Meeting:** To discuss T cell assays for SARS-CoV-2.

**Date:** March 10th

**Time:** 1:00pm

**Allotted Time:** 1 hour

**Location:** 40/3<sup>rd</sup> Floor Conference Room (Goto meeting)

**VRC Participants:** Barney Graham, Tracy Ruckwardt, Kizzmekia Corbett, Kaitlyn Morabito and Karin Bok

**La Jolla Institute for Immunology Participants:** Daniela Weiskopf, Alessandro Sette and Alba Grifoni

**Draft agenda items:**

1. Introductions
2. Review Data from LJI
3. Discuss next steps

Thank you,

LaTanya

(b) (6)

\*\*\*\*\*

**Meeting Anytime**

**Please join my meeting from your computer, tablet or smartphone.**

(b) (6)

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United States (Toll Free): (b) (6)

United States: (b) (6)

**Access Code:** (b) (6)

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

(b) (6)



**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 11 Mar 2020 16:36:02 +0000  
**To:** Graham, Barney (NIH/VRC) [E]; Bok, Karin (NIH/VRC) [E]; Gall, Jason (NIH/VRC) [C]; Corbett, Kizzmekia (NIH/VRC) [E]; Morabito, Kaitlyn (NIH/VRC) [E]; Alvarado, Gabriela (NIH/VRC) [C]; Carlton, Kevin (NIH/VRC) [E]; Ledgerwood, Julie (NIH/NIAID) [E]; Sullivan, Nancy (NIH/VRC) [E]; [REDACTED] (b) (6); Stein, Judy (NIH/VRC) [C]; Petrik, Amy (NIH/NIAID) [E]  
**Cc:** Young, Monique (NIH/VRC) [E]; Suhana, Tina (NIH/VRC) [E]; Austin, Sarah (NIH/NIAID) [E]; Grier, Shardae (NIH/VRC) [E]; Taylor, Stephanie (NIH/NIAID) [E]; Chapman, Latanya (NIH/VRC) [C]; Manuela Mazzeschi  
**Subject:** VRC/Reithera Coronavirus Discussion

**\*\* CONFIRMATION \*\***

**Title of Meeting:** VRC-Reithera Coronavirus Discussion

**Principal Meeting Organizer:** Karin Bok

**Goal of Meeting:** To discuss Coronavirus research activities and common areas of interest, briefing on [REDACTED] (b) (4)

**Date:** 3/20/20

**Time:** 4:30PM (EST)

**Allotted Time:** 1 hour

**Location:** 40/Conference Room 1207 (Goto)

**VRC Participants:** John Mascola, Barney Graham, Karin Bok, Jason Gall, Kizzmekia Corbett, Kaitlyn Morabito, Gabriela Alvarado, Kevin Carlton, Julie Ledgerwood and Nancy Sullivan

**Reithera Participants:** Alessandra Vitelli, Alfredo Nicosia, Stefano Colloca and Antonella Folgori

**Agenda:**

- Introductions
- Discussion on SARS-CoV-2 situation in Italy (Reithera)
- Overview of [REDACTED] (b) (4) (Reithera)
- Status of GRAd<sup>(b) (6)</sup>-SARS-CoV2 vaccine development (Reithera)
- Overview of SARS-CoV-2 Pre-S vaccine antigen design (Barney Graham)
- Discussion on potential areas of synergies and collaboration
- Adjourn

-  
Thank you,  
LaTanya

[REDACTED] (b) (6)

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## Meeting Anytime

Please join my meeting from your computer, tablet or smartphone.

[REDACTED] (b) (6)

You can also dial in using your phone.

United States (Toll Free): [REDACTED] (b) (6)

United States: [REDACTED] (b) (6)

Access Code: [REDACTED] (b) (6)

**More phone numbers**

Italy (Toll Free): [REDACTED] (b) (6)

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

[REDACTED] (b) (6)

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Sun, 26 Apr 2020 22:37:59 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C];Corbett, Kizzmekia (NIH/VRC) [E];Wang, Lingshu (NIH/VRC) [E];Doria-Rose, Nicole (NIH/NIAID) [E];Zhang, Yi (NIH/NIAID) [C];Carlton, Kevin (NIH/VRC) [C];Seder, Robert (NIH/VRC) [E];Kai Wu, (b) (6);Darin Edwards; (b) (6); (b) (6);Kapil Bahl; (b) (6);Bennett Hamilton;Bok, Karin (NIH/VRC) [E];Ruckwardt, Tracy (NIH/VRC) [E];Kovacs, Gerald (OS/ASPR/BARDA) (CTR);Jayashankar, Lakshmi (OS/ASPR/BARDA); (b) (6);Sabourin, Carol (OS/ASPR/ (b) (6); (b) (6)  
**Cc:** Young, Monique (NIH/VRC) [E];Grier, Shardae (NIH/VRC) [E];Chu, Gloria (NIH/VRC) [C]  
**Subject:** VRC/Moderna CoV Collaboration Discussion  
**Attachments:** Untitled, Untitled

**\*\*CONFIRMATION\*\***

**Title of Meeting:** VRC/Moderna CoV Collaboration Discussion  
**Principal Meeting Organizer:** Gabriela Alvarado  
**Goal of Meeting:** To discuss pre-clinical CoV collaborative studies.  
**Date:** Tuesday (Bi-Weekly)  
**Time:** 12:00 pm  
**Allotted Time:** 1 Hour  
**Location:** Virtual (Zoom Meeting)  
**VRC Participants:** Barney Graham, Kizzmekia Corbett, Lingshu Wang, Nicole Doria-Rose, Yi Zhang, Kevin Carlton, Gabriela Alvarado, Karin Bok, Tracy Ruckwardt, and Bob Seder  
**Moderna Participants:** Kai Wu, Andrea Carfi, Darin Edwards, Guillaume Stewart-Jones, Christy Shaw, Kapil Bahl, Sayda Elbashir, Carole Henry, Hamilton Bennett, and Sam Ivry  
**BARDA Participants:** Gerald Kovacs, Lakshmi Jayashankar, and Carol Sabourin  
**Agenda:** TBD

Thanks...Monique

\*\*\*\*\*

Topic: VRC/Moderna CoV Collaboration Discussion (G)

Join ZoomGov Meeting

(b) (6)

Meeting ID: (b) (6)

Password: (b) (6)

One tap mobile

(b) (6) US (San Jose)

(b) (6) US (New York)

Dial by your location

(b) (6) US (San Jose)

(b) (6) US (New York)

(b) (6) US Toll-free

Meeting ID: (b) (6)

Password: (b) (6)

Find your local number: <https://www.zoomgov.com/join/917111111111>

Join by SIP

(b) (6)

Join by H.323

(b) (6) (US West)

(b) (6) (US East)

Meeting ID: (b) (6)

Password: (b) (6)

**Sent:** Tue, 6 Oct 2020 18:35:54 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C];Corbett, Kizzmekia (NIH/VRC) [E];Wang, Lingshu (NIH/VRC) [E];Doria-Rose, Nicole (NIH/NIAID) [E];Zhang, Yi (NIH/NIAID) [C];Carlton, Kevin (NIH/VRC) [C];Seder, Robert (NIH/VRC) [E];Kai Wu, (b) (6) Darin Edwards; (b) (6) ;Kapil Bahl; (b) (6);Bennett Hamilton;Bok, Karin (NIH/VRC) [E];Ruckwardt, Tracy (NIH/VRC) [E];Kovacs, Gerald (OS/ASPR/BARDA) (CTR);Jayashankar, Lakshmi (OS/ASPR/BARDA); (b) (6);Sabourin, Carol (OS/ASPR/BARDA); (b) (6)  
**Cc:** Young, Monique (NIH/VRC) [E];Grier, Shardae (NIH/VRC) [E];Chu, Gloria (NIH/VRC) [C]

**\*\*CONFIRMATION\*\***

**Title of Meeting:** VRC/Moderna CoV Collaboration Discussion  
**Principal Meeting Organizer:** Gabriela Alvarado  
**Goal of Meeting:** To discuss pre-clinical CoV collaborative studies.  
**Date:** Tuesday (Bi-Weekly)  
**Time:** 12:00 pm  
**Allotted Time:** 1 Hour  
**Location:** Virtual (Zoom Meeting)  
**VRC Participants:** Barney Graham, Kizzmekia Corbett, Lingshu Wang, Nicole Doria-Rose, Yi Zhang, Kevin Carlton, Gabriela Alvarado, Karin Bok, Tracy Ruckwardt, and Bob Seder  
**Moderna Participants:** Kai Wu, Andrea Carfi, Darin Edwards, Guillaume Stewart-Jones, Christy Shaw, Kapil Bahl, Sayda Elbashir, Carole Henry, Hamilton Bennett, and Sam Ivry  
**BARDA Participants:** Gerald Kovacs, Lakshmi Jayashankar, and Carol Sabourin  
**Agenda:**

- Action items and study updates
- Updates on second NHP publication, including how (b) (4) results may be included
- Review of Montefiori Lab (b) (4)

(b) (4)

Thanks...Monique

\*\*\*\*\*

Topic: VRC/Moderna CoV Collaboration Discussion (G)

Join ZoomGov Meeting

(b) (6)

Meeting ID: (b) (6)

Password: (b) (6)

One tap mobile

(b) (6) US (San Jose)  
(b) (6) US (New York)

Dial by your location

(b) (6) US (San Jose)  
(b) (6) US (New York)  
(b) (6) US Toll-free

Meeting ID: (b) (6)

Password: (b) (6)

Find your local number: <https://www.zoomgov.com/join/917111111111>

Join by SIP

(b) (6)

Join by H.323

(b) (6) (US West)  
(b) (6) (US East)

Meeting ID: (b) (6)

Password: (b) (6)



**Sent:** Tue, 6 Oct 2020 18:35:54 +0000  
**To:** Graham, Barney (NIH/VRC) [E];Alvarado, Gabriela (NIH/VRC) [C];Corbett, Kizzmekia (NIH/VRC) [E];Wang, Lingshu (NIH/VRC) [E];Doria-Rose, Nicole (NIH/NIAID) [E];Zhang, Yi (NIH/NIAID) [C];Carlton, Kevin (NIH/VRC) [C];Seder, Robert (NIH/VRC) [E];Kai Wu, (b) (6) Darin Edwards; (b) (6) ;Kapil Bahl; (b) (6);Bennett Hamilton;Bok, Karin (NIH/VRC) [E];Ruckwardt, Tracy (NIH/VRC) [E];Kovacs, Gerald (OS/ASPR/BARDA) (CTR);Jayashankar, Lakshmi (OS/ASPR/BARDA); (b) (6);Sabourin, Carol (OS/ASPR/BARDA); (b) (6)  
**Cc:** Young, Monique (NIH/VRC) [E];Grier, Sharda (NIH/VRC) [E];Chu, Gloria (NIH/VRC) [C]

**\*\*CONFIRMATION\*\***

**Title of Meeting:** VRC/Moderna CoV Collaboration Discussion  
**Principal Meeting Organizer:** Gabriela Alvarado  
**Goal of Meeting:** To discuss pre-clinical CoV collaborative studies.  
**Date:** Tuesday (Bi-Weekly)  
**Time:** 12:00 pm  
**Allotted Time:** 1 Hour  
**Location:** Virtual (Zoom Meeting)  
**VRC Participants:** Barney Graham, Kizzmekia Corbett, Lingshu Wang, Nicole Doria-Rose, Yi Zhang, Kevin Carlton, Gabriela Alvarado, Karin Bok, Tracy Ruckwardt, and Bob Seder  
**Moderna Participants:** Kai Wu, Andrea Carfi, Darin Edwards, Guillaume Stewart-Jones, Christy Shaw, Kapil Bahl, Sayda Elbashir, Carole Henry, Hamilton Bennett, and Sam Ivry  
**BARDA Participants:** Gerald Kovacs, Lakshmi Jayashankar, and Carol Sabourin  
**Agenda:**

- Action items and study updates
- Timelines for final results (b) (4)
- (b) (4)
- (b) (4)

Thanks...Monique

\*\*\*\*\*

Topic: VRC/Moderna CoV Collaboration Discussion (G)

Join ZoomGov Meeting

(b) (6)

Meeting ID: (b) (6)

Password: (b) (6)





**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Sun, 26 Apr 2020 23:15:25 +0000  
**To:** Alvarado, Gabriela (NIH/VRC) [C]; Corbett, Kizzmekia (NIH/VRC) [E]; Morabito, Kaitlyn (NIH/VRC) [E]; Carlton, Kevin (NIH/VRC) [E]; Hutchinson, Geoffrey (NIH/VRC) [F]; Adams, Will (NIH/VRC) [C]; Gall, Jason (NIH/VRC) [C]; Neil King; [REDACTED] (b) (6); Chapman, Latanya (NIH/VRC) [C]; Grier, Shardae (NIH/VRC) [E]; Young, Monique (NIH/VRC) [E]  
**Cc:** Gowetski, Daniel (NIH/VRC) [E]; Kuelczo, Lisa (NIH/VRC) [C]; Scheideman, Elizabeth (NIH/VRC) [E]; Lei, Paula (NIH/VRC) [C]; Kaltovich, Florence (NIH/VRC) [C]; Bok, Karin (NIH/VRC) [E]  
**Subject:** SARS-CoV-2 [REDACTED] (b) (4)

**\*\* CONFIRMATION \*\***

**Title of Meeting:** [REDACTED] (b) (4)  
**Principal Meeting Organizer:** Gabriela Alvarado  
**Goal of Meeting:** To discuss [REDACTED] (b) (4)  
**Date:** 5/5/20  
**Time:** 11:00AM  
**Allotted Time:** 1 hour  
**Location:** Virtual (Zoom Meeting)  
**VRC Participants:** Barney Graham, Kizzmekia Corbett, Kaitlyn Morabito, Kevin Carlton, Geoffrey Hutchinson, Will Adams, Jason Gall and Gabriela Alvarado  
**University of Washington Participants:** Neil King and Daniel Ellis  
**Agenda:**

1. Overview of SARS-CoV-2 [REDACTED] (b) (4) (Dan/Geoff/others) and discussion (all)
2. Questions from VPP to guide development
3. Reagent and material needs for initial development (Will)
4. AOB (all)

Thanks,  
LaTanya

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Topic: Join Zoom Meeting (G)

Join Zoom Gov Meeting

[REDACTED] (b) (6)

Meeting ID: [REDACTED] (b) (6)

One tap mobile

[REDACTED] (b) (6) US (San Jose)  
[REDACTED] US (New York)

Dial by your location

[REDACTED] (b) (6) US (San Jose)



**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Tue, 3 Mar 2020 00:04:09 +0000  
**To:** Folkers, Greg (NIH/NIAID) [E];Marston, Hilary (NIH/NIAID) [E];Conrad, Patricia (NIH/NIAID) [E]  
**Cc:** Daucher, Marybeth (NIH/NIAID) [E];Corbett, Kizzmekia (NIH/VRC) [E];Mascola, John (NIH/VRC) [E];Hiatt, Nissa (NIH/VRC) [C];Prince, Tasheema (NIH/VRC) [C]  
**Subject:** WH visit VRC 3March2020 V3.pptx  
**Attachments:** WH visit VRC 3March2020 V3.pptx

These are the final slides that I will use on the 2<sup>nd</sup> floor tomorrow. The last one is just there for questions. Otherwise I will stop on the one listing VRC products. I will introduce Dr. Corbett on slide 4 and she will briefly describe the vaccine concept with slide 5, I will highlight the timeline and then quickly show the 2 VRC slides.

I will also have on a USB and my laptop as backup.

Barney

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 4 Mar 2020 21:26:49 +0000  
**To:** (b) (6); Guest; Roberts, Chris (NIH/NIAID) [E]; Guest; Stemmy, Erik (NIH/NIAID) [E]; Guest; Graham, Barney (NIH/VRC) (b) (6); Guest; Marston, Hilary (NIH/NIAID) [E]; Hewitt, Judith (NIH/NIAID) [E]; Ledgerwood, Julie (NIH/NIAID) [E]; (b) (6); Bryant, Paula (NIH/NIAID) [E]  
**Subject:** CEPI/NIAID: COVID-19 - catch-up on projects

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Wed, 4 Mar 2020 20:48:59 +0000  
**To:** (b) (6); Guest; Roberts, Chris (NIH/NIAID) [E]; Guest; Stemmy, Erik (NIH/NIAID) [E]; Guest; Graham, Barney (NIH/VRC) [E] (b) (6); Guest; Marston, Hilary (NIH/NIAID) [E]; Hewitt, Judith (NIH/NIAID) [E]; Ledgerwood, Julie (NIH/NIAID) [E]; (b) (6); Bryant, Paula (NIH/NIAID) [E]  
**Subject:** CEPI/NIAID: COVID-19 - catch-up on projects

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 16 Mar 2020 17:09:56 +0000  
**To:** Hirsch, Marie (NIH/VRC) [E];CHRISTIN HARRIS;Sullivan, Nancy (NIH/VRC) [E];Boritz, Eli (NIH/NIAID) [E];Kwong, Peter (NIH/VRC) [E];Gall, Jason (NIH/VRC) [C];Scorpio, Diana (NIH/VRC) [E];Harris, Christina (NIH/NIAID) [E];Seder, Robert (NIH/VRC) [E];WIRELESS CALLER;WIRELESS CALLER;- (b) (6)Graham, Barney (NIH/VRC) [E];HLTH HUMAN SVC;+1 (b) (6);Ledgerwood, Julie (NIH/NIAID) [E]; (b) (6);Koup, Richard (NIH/VRC) [E];Mittelman, Abraham (NIH/VRC) [C];Mejia, Margarita (NIH/VRC) [E];Carlton, Kevin (NIH/VRC) [E]  
**Subject:** VRC Staffing Plan during COVID-19 Outbreak

Scorpio, Diana (NIH/VRC) [E] 1:04 PM:

Christy can you hear me?

Scorpio, Diana (NIH/VRC) [E] 1:04 PM:

Its Diana

Carlton, Kevin (NIH/VRC) [E] 1:05 PM:

I haven't been able to hear you yet Diana

Scorpio, Diana (NIH/VRC) [E] 1:05 PM:

Ugh ok let me check

Scorpio, Diana (NIH/VRC) [E] 1:05 PM:

Im here Kevinlet her know

Scorpio, Diana (NIH/VRC) [E] 1:06 PM:

Let them know



**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 14 Feb 2020 20:01:48 +0000  
**To:** Lu, Tami (NIH/NIAID) [E];Cassetti, Cristina (NIH/NIAID) [E];Graham, Barney (NIH/VRC) [E];De wit, Emmie (NIH/NIAID) [E];Degrace, Marciela (NIH/NIAID) [E];Embry, Alan (NIH/NIAID) [E];Ranjan, Mukul (NIH/NIAID) [E];Guest;Handley, Gray (NIH/NIAID) [E];Routh, Jennifer (NIH/NIAID) [E]; (b) (6);Schmaljohn, Connie (NIH/NIAID) [E];Bok, Karin (NIH/VRC) [E];Stemmy, Erik (NIH/NIAID) [E];Bushar, Nicholas (NIH/NIAID) [E]  
**Subject:** NIAID Coronavirus SWAT Weekly Meeting

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 17 Apr 2020 17:02:23 +0000  
**To:** Read, Sarah (NIH/NIAID) [E];Bok, Karin (NIH/VRC) [E];Roberts, Chris (NIH/NIAID) [E];Deckhut, Alison (NIH/NIAID) [E];Rotrosen, Daniel (NIH/NIAID) [E];Barron, Karyl (NIH/NIAID) [E];Togias, Alkis (NIH/NIAID) [E];Shaffer, Meredith (NIH/NIAID) [E];Beigel, John (NIH) [E];Auchincloss, Hugh (NIH/NIAID) [E];Tartakovsky, Mike (NIH/NIAID) [E];Blaney, Joe (NIH/NIAID) [C];Bushar, Nicholas (NIH/NIAID) [E];Calder, Thomas (NIH/NIAID) [E];Cassetti, Cristina (NIH/NIAID) [E];Crum, Wayne (NIH/NIAID) [E];Dieffenbach, Carl (NIH/NIAID) [E];Eisinger, Robert (NIH/NIAID) [E];Higgs, Elizabeth (NIH/NIAID) [E];Hanson, Christopher (NIH/NIAID) [E];Holland, Steven (NIH/NIAID) [E];Johnson, Martin S. (NIH/NIAID) [E];Breen, Joseph (NIH/NIAID) [E];Ledgerwood, Julie (NIH/NIAID) [E];Leitner, Wolfgang (NIH/NIAID) [E];Lerner, Andrea (NIH/NIAID) [E];Mallia, Conrad (NIH/NIAID) [E];Marovich, Mary (NIH/NIAID) [E];Marston, Hilary (NIH/NIAID) [E];Tong, Tina (NIH/NIAID) [E];Touchette, Nancy (NIH/NIAID) [E];Graham, Barney (NIH/VRC) [E];Embry, Alan (NIH/NIAID) [E];Erbelding, Emily (NIH/NIAID) [E];Fenton, Matthew (NIH/NIAID) [E];Gilles, Sharon (NIH/NIAID) [E];Giovanni, Maria (NIH/NIAID) [C];Guest;Guest;Guest;Hackett, Charles (NIH/NIAID) [E];Handley, Gray (NIH/NIAID) [E];Mascola, John (NIH/VRC) [(b) (6)];Miller, Lara (NIH/NIAID) [E];Dieffenbach, Carl (NIH/NIAID) [E];Mowatt, Michael (NIH/NIAID) [(b) (6)];Becker, Patrice (NIH/NIAID) [E];Doepel, Laurie (NIH/NIAID) [E];Post, Diane (NIH/NIAID) [(b) (6)]  
**Subject:** NIAID COVID-19 Division Directors Sync

Marston, Hilary (NIH/NIAID) [E] 12:06 PM:

are people seeing the slides?

Embry, Alan (NIH/NIAID) [E] 12:06 PM:

yes

Cassetti, Cristina (NIH/NIAID) [E] 12:06 PM:

yes

Miller, Lara (NIH/NIAID) [E] 12:06 PM:

yes

Shaffer, Meredith (NIH/NIAID) [E] 12:06 PM:

yes

Erbelding, Emily (NIH/NIAID) [E] 12:06 PM:

yes

Marston, Hilary (NIH/NIAID) [E] 12:06 PM:

okay logging back on - thanks!

Marovich, Mary (NIH/NIAID) [E] 12:07 PM:

yep thx

Handley, Gray (NIH/NIAID) [E] 12:07 PM:

yes

Deckhut, Alison (NIH/NIAID) [E] 12:27 PM:

Jim Crowe has reached out to NIAID for help in [(b) (4)]

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 24 Apr 2020 16:59:46 +0000  
**To:** Post, Diane (NIH/NIAID) [E];Doepel, Laurie (NIH/NIAID) [E];Roberts, Chris (NIH/NIAID) [E]; (b) (6);Rotrosen, Daniel (NIH/NIAID) [E];Togias, Alkis (NIH/NIAID) [E];Bok, Karin (NIH/VRC) [E];Read, Sarah (NIH/NIAID) [E];Auchincloss, Hugh (NIH/NIAID) [E];Deckhut, Alison (NIH/NIAID) [E];Tartakovsky, Mike (NIH/NIAID) [E];Barron, Karyl (NIH/NIAID) [E];Beigel, John (NIH) [E];Breen, Joseph (NIH/NIAID) [E];Bushar, Nicholas (NIH/NIAID) [E];Calder, Thomas (NIH/NIAID) [E];Dieffenbach, Carl (NIH/NIAID) [E];Cassetti, Cristina (NIH/NIAID) [E];Chandramouliswaran, Ishwar (NIH/NIAID) [E];Holland, Steven (NIH/NIAID) [E];Johnson, Martin S. (NIH/NIAID) [E];Kim, Peter (NIH/NIAID) [E];Ledgerwood, Julie (NIH/NIAID) [E];Leitner, Wolfgang (NIH/NIAID) [E];Payton, Manizhe (NIH/NIAID) [E];Giovanni, Maria (NIH/NIAID) [C];Marston, Hilary (NIH/NIAID) [E];Marovich, Mary (NIH/NIAID) [E];Mascola, John (NIH/VRC) [E];Tong, Tina (NIH/NIAID) [E];WIRELESS CALLER;WIRELESS CALLER;Graham, Barney (NIH/VRC) [E];Hackett, Charles (NIH/NIAID) [E];Hanson, Christopher (NIH/NIAID) [E];Mallia, Conrad (NIH/NIAID) [E];Crum, Wayne (NIH/NIAID) [E];Eisinger, Robert (NIH/NIAID) [E];Embry, Alan (NIH/NIAID) [E];Erbelding, Emily (NIH/NIAID) [E];Gilles, Sharon (NIH/NIAID) [E];Handley, Gray (NIH/NIAID) [E];Higgs, Elizabeth (NIH/NIAID) [E];Fenton, Matthew (NIH/NIAID) [E]; (b) (6);McNay, Laura (NIH/NIAID) (b) (6);Miller, Lara (NIH/NIAID) [E];Shaffer, Meredith (NIH/NIAID) [E];Mowatt, Michael (NIH/NIAID) [E]; (b) (6) (b) (6);Becker, Patrice (NIH/NIAID) [E];Lerner, Andrea (NIH/NIAID) [E]  
**Subject:** NIAID COVID-19 Division Directors Sync

## NIAID COVID-19 Division Directors Sync

Duration: 56 Minutes 49 Seconds

(b) (6)  
DEPUTY DIRECTOR , NIH  
Work: (b) (6)  
Mobile: (b) (6)  
Email: (b) (6)  
IM: (b) (6)

(b) (6)  
DIRECTOR , NIH  
Work: (b) (6)  
Mobile: (b) (6)  
Email: (b) (6)  
IM: (b) (6)

**Johnson, Martin S. (NIH/NIAID) [E]**  
PUBLIC HEALTH ANALYST , NIH  
Work: (b) (6)  
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(b) (6)  
BRANCH CHIEF , NIH  
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**Kim, Peter (NIH/NIAID) [E]**  
DIRECTOR TRP , NIH

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**Post, Diane (NIH/NIAID) [E]**

PROGRAM OFFICER, NIH

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**Miller, Lara (NIH/NIAID) [E]**

BIOLOGIST, NIH

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Email:  
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**Mascola, John (NIH/VRC) [E]**

DIRECTOR, VRC, NIH

Work: (b) (6)  
Email:  
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**Embry, Alan (NIH/NIAID) [E]**

NIH

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(b) (6)

MEDICAL OFFICER, NIH

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Email:  
IM:

**McNay, Laura (NIH/NIAID) [E]**

DIRECTOR, OSPA, NIH

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**Rotrosen, Daniel (NIH/NIAID) [E]**

DIRECTOR, NIH

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**Bushar, Nicholas (NIH/NIAID) [E]**

NIH

Work: (b) (6)  
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**Calder, Thomas (NIH/NIAID) [E]**

NIH

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NIH  
Work: (b) (6)  
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**Barron, Karyl (NIH/NIAID) [E]**

DEPUTY DIRECTOR, DIR , NIH

Work: (b) (6)  
Mobile:  
Email:  
IM:

**WIRELESS CALLER**

(b) (6)

Other: (b) (6)

(b) (6)

NIH  
Work: (b) (6)  
Email:  
IM:

**Roberts, Chris (NIH/NIAID) [E]**

HEALTH SCIENTIST ADMINISTRATOR , NIH

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**Chandramouliswaran, Ishwar (NIH/NIAID) [E]**

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**Higgs, Elizabeth (NIH/NIAID) [E]**

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**Leitner, Wolfgang (NIH/NIAID) [E]**

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Work: (b) (6)  
Email:  
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**Auchincloss, Hugh (NIH/NIAID) [E]**

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**Tong, Tina (NIH/NIAID) [E]**

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+ (b) (6)

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**Mowatt, Michael (NIH/NIAID) [E]**

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**matthew.fenton@niaid.nih.gov**

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IM:

(b) (6)

NIH

Work: (b) (6)

Mobile:

Email:

IM:

(b) (6)

NIH

Work: (b) (6)

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Email:

IM:

**Eisinger, Robert (NIH/NIAID) [E]**

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IM:

**Beigel, John (NIH) [E]**

NIH

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IM:

(b) (6)

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DIRECTOR, OFFICE OF CLINICAL SITE OVERSIGHT , NIH

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IM: (b) (6)

**Tartakovsky, Mike (NIH/NIAID) [E]**

CIO NIAID DIRECTOR OCICB , NIH

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IM:

(b) (6)

NIH

Work: (b) (6)

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Email:

IM:

**Cassetti, Cristina (NIH/NIAID) [E]**

HEALTH SCIENTIST ADMINISTRATOR , NIH

Work: (b) (6)

Email:

IM:

(b) (6)

NIH

Work: (b) (6)

Email:

IM:

**Holland, Steven (NIH/NIAID) [E]**

NIH DISTINGUISHED INVESTIGATOR , NIH

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Email:

IM:

(b) (6)

Other: (b) (6)

(b) (6)

SENIOR ADVISOR FOR SCIENCE COMMUNICATIONS , NIH

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Email:

IM:

**Breen, Joseph (NIH/NIAID) [E]**

BASIC IMMUNOLOGY BRANCH , NIH

Work: (b) (6)

Email:

IM:

**Ledgerwood, Julie (NIH/NIAID) [E]**

NIH

Work: (b) (6)

Mobile:

Email:

IM:

**Crum, Wayne (NIH/NIAID) [E]**

ACTING DIRECTOR, OMIFM , NIH

Work: (b) (6)

Mobile:

Email:

IM:

**Erbelding, Emily (NIH/NIAID) [E]**

DIRECTOR, DMID , NIH



Work: [REDACTED] (b) (6)  
Email: [REDACTED]  
IM: [REDACTED]

**Marston, Hilary (NIH/NIAID) [E]**

NIH  
Work: [REDACTED] (b) (6)  
Email: [REDACTED]  
IM: [REDACTED]

[REDACTED] (b) (6)

ASST. DIRECTOR FOR FACILITIES AND OPERATIONS, NIAID-DIR-OD , NIH

Work: [REDACTED] (b) (6)  
Email: [REDACTED]  
IM: [REDACTED]

**Handley, Gray (NIH/NIAID) [E]**

NIH  
Work: [REDACTED] (b) (6)  
Mobile: [REDACTED]  
Email: [REDACTED]  
IM: [REDACTED]

---

Skype for Business

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 1 May 2020 16:22:03 +0000  
**To:** Schneider, Johanna (NIH/NIAID) [E];Becker, Patrice (NIH/NIAID) [E];Shaffer, Meredith (NIH/NIAID) [E];Blaney, Joe (NIH/NIAID) [C];Tartakovsky, Mike (NIH/NIAID) [E];Calder, Thomas (NIH/NIAID) [E];Breen, Joseph (NIH/NIAID) [E];Togias, Alkis (NIH/NIAID) [E];Cassetti, Cristina (NIH/NIAID) [E];Bushar, Nicholas (NIH/NIAID) [E];Tong, Tina (NIH/NIAID) [E];Crum, Wayne (NIH/NIAID) [E];Deckhut, Alison (NIH/NIAID) [E];Dieffenbach, Carl (NIH/NIAID) [E];Embry, Alan (NIH/NIAID) [E];Erbelding, Emily (NIH/NIAID) [E];Fenton, Matthew (NIH/NIAID) [E];Gilles, Sharon (NIH/NIAID) [E];Giovanni, Maria (NIH/NIAID) [C];Johnson, Martin S. (NIH/NIAID) [E];Kim, Peter (NIH/NIAID) [E];Leitner, Wolfgang (NIH/NIAID) [E];Lerner, Andrea (NIH/NIAID) [E];Mallia, Conrad (NIH/NIAID) [E];Marovich, Mary (NIH/NIAID) [E];Marston, Hilary (NIH/NIAID) [E];Mascola, John (NIH/VRC) [E];Miller, Lara (NIH/NIAID) [E];Mowatt, Michael (NIH/NIAID) [E];Graham, Barney (NIH/VRC) [E];Guest;Guest;Guest;Guest;Hackett, Charles (NIH/NIAID) [E];Handley, Gray (NIH/NIAID) [E];Hanson, Christopher (NIH/NIAID) [E];Harper, Jill (NIH/NIAID) [E];Higgs, Elizabeth (NIH/NIAID) [E];Holland, Steven (NIH/NIAID) [E];Munster, Vincent (NIH/NIAID) [E]; (b) (6) Post, Diane (NIH/NIAID) [E];Doepel, Laurie (NIH/NIAID) [E];Read, Sarah (NIH/NIAID) [E];Bok, Karin (NIH/VRC) [E];Roberts, Chris (NIH/NIAID) [E];Auchincloss, Hugh (NIH/NIAID) [E];Rotrosen, Daniel (NIH/NIAID) [E];Barron, Karyl (NIH/NIAID) [E]  
**Subject:** NIAID COVID-19 Division Directors Sync

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 20 Mar 2020 18:08:10 +0000  
**To:** Stemmy, Erik (NIH/NIAID) [E];Embry, Alan (NIH/NIAID) [E];Bok, Karin (NIH/VRC) [E];Turpin, Jim (NIH/NIAID) [E];Guest;Bryant, Paula (NIH/NIAID) [E];Vandalen, Kaci (NIH/NIAID) [E];Guest;Bushar, Nicholas (NIH/NIAID) [E];WIRELESS CALLER;Guest;Cassetti, Cristina (NIH/NIAID) [E];WIRELESS CALLER;Johnson, Martin S. (NIH/NIAID) [E];Dominique, Joyelle (NIH/NIAID) [E];WIRELESS CALLER;Yang, Linda (NIH/NIAID) [E];Lee, Kun-Lin (NIH/NIAID) [REDACTED] (b) (6) [REDACTED];Graham, Barney (NIH/VRC) [E];Lerner, Andrea (NIH/NIAID) [E];De wit, Emmie (NIH/NIAID) [E];Ranjan, Mukul (NIH/NIAID) [E];Morabito, Kaitlyn (NIH/VRC) [E];Deckhut, Alison (NIH/NIAID) [E];Eisinger, Robert (NIH/NIAID) [E];Nason, Martha (NIH/NIAID) [E];Degrace, Marciela (NIH/NIAID) [E];Higgs, Elizabeth (NIH/NIAID) [E];Read, Sarah (NIH/NIAID) [E];Derocco, Amanda (NIH/NIAID) [E];+1 [REDACTED] (b) (6)  
**Subject:** NIAID Coronavirus SWAT Weekly Meeting

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 1 May 2020 16:42:19 +0000  
**To:** Rotrosen, Daniel (NIH/NIAID) [E];Becker, Patrice (NIH/NIAID) [E];Schneider, Johanna (NIH/NIAID) [E];Blaney, Joe (NIH/NIAID) [C];Shaffer, Meredith (NIH/NIAID) [E];Calder, Thomas (NIH/NIAID) [E];Breen, Joseph (NIH/NIAID) [E];Tartakovsky, Mike (NIH/NIAID) [E];Cassetti, Cristina (NIH/NIAID) [E];Bushar, Nicholas (NIH/NIAID) [E];Togias, Alkis (NIH/NIAID) [E];Crum, Wayne (NIH/NIAID) [E];Deckhut, Alison (NIH/NIAID) [E];Dieffenbach, Carl (NIH/NIAID) [E];Eisinger, Robert (NIH/NIAID) [E];Embry, Alan (NIH/NIAID) [E];Erbelding, Emily (NIH/NIAID) [E];Fenton, Matthew (NIH/NIAID) [E];Gilles, Sharon (NIH/NIAID) [E];Holland, Steven (NIH/NIAID) [E];Johnson, Martin S. (NIH/NIAID) [E];Kim, Peter (NIH/NIAID) [E];Leitner, Wolfgang (NIH/NIAID) [E];Lerner, Andrea (NIH/NIAID) [E];Mallia, Conrad (NIH/NIAID) [E];Marovich, Mary (NIH/NIAID) [E];Marston, Hilary (NIH/NIAID) [E];Mascola, John (NIH/VRC) [E];Miller, Lara (NIH/NIAID) [E];Tong, Tina (NIH/NIAID) [E];Graham, Barney (NIH/VRC) [E];Giovanni, Maria (NIH/NIAID) [C];Guest;Guest;Guest;Guest;Hackett, Charles (NIH/NIAID) [E];Handley, Gray (NIH/NIAID) [E];Hanson, Christopher (NIH/NIAID) [E];Harper, Jill (NIH/NIAID) [E];Higgs, Elizabeth (NIH/NIAID) [E];Mowatt, Michael (NIH/NIAID) [E]; (b) (6);Munster, Vincent (NIH/NIAID) [E];Doepel, Laurie (NIH/NIAID) [E];Post, Diane (NIH/NIAID) [E];Bok, Karin (NIH/VRC) [E];Read, Sarah (NIH/NIAID) [E];Auchincloss, Hugh (NIH/NIAID) [E];Roberts, Chris (NIH/NIAID) [E];Barron, Karyl (NIH/NIAID) [E]  
**Subject:** NIAID COVID-19 Division Directors Sync

Gray Handley (OS) 12:32 PM:

Steve is breaking up badly

Hilary Marston 12:34 PM:

i know - I tried muting someone which doesn't seem to be helping

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 20 Mar 2020 18:15:31 +0000  
**To:** Read, Sarah (NIH/NIAID) [E];Embry, Alan (NIH/NIAID) [E];Bok, Karin (NIH/VRC) [E];Stemmy, Erik (NIH/NIAID) [E];Guest;Bryant, Paula (NIH/NIAID) [E];Turpin, Jim (NIH/NIAID) [E];Guest;Bushar, Nicholas (NIH/NIAID) [E];Vandalen, Kaci (NIH/NIAID) [E];Guest;Cassetti, Cristina (NIH/NIAID) [E];WIRELESS CALLER;Johnson, Martin S. (NIH/NIAID) [E];Dominique, Joyelle (NIH/NIAID) [E];WIRELESS CALLER;WIRELESS CALLER;Corbett, Kizzmekia (NIH/VRC) [E]; (b) (6);Yang, Linda (NIH/NIAID) [E];Lee, Kun-Lin (NIH/NIAID) [E];De wit, Emmie (NIH/NIAID) [E];Ranjan, Mukul (NIH/NIAID) [E];Graham, Barney (NIH/VRC) [E];Lerner, Andrea (NIH/NIAID) [E];Deckhut, Alison (NIH/NIAID) [E];Eisinger, Robert (NIH/NIAID) [E];Morabito, Kaitlyn (NIH/VRC) [E];Degrace, Marciela (NIH/NIAID) [E];Higgs, Elizabeth (NIH/NIAID) [E];Nason, Martha (NIH/NIAID) [E];Derocco, Amanda (NIH/NIAID) [E]; (b) (6)  
**Subject:** NIAID Coronavirus SWAT Weekly Meeting

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 20 Mar 2020 19:03:15 +0000  
**To:** Read, Sarah (NIH/NIAID) [E]; Embry, Alan (NIH/NIAID) [E]; Bok, Karin (NIH/VRC) [E]; Stemmy, Erik (NIH/NIAID) [E]; Guest; Bryant, Paula (NIH/NIAID) [E]; Turpin, Jim (NIH/NIAID) [E]; Guest; Bushar, Nicholas (NIH/NIAID) [E]; Vandalen, Kaci (NIH/NIAID) [E]; Guest; Cassetti, Cristina (NIH/NIAID) [E]; WIRELESS CALLER; Johnson, Martin S. (NIH/NIAID) [E]; Dominique, Joyelle (NIH/NIAID) [E]; WIRELESS CALLER; WIRELESS CALLER; Corbett, Kizzmekia (NIH/VRC) [E]; (b) (6); Yang, Linda (NIH/NIAID) [E]; Lee, Kun-Lin (NIH/NIAID) [E]; De wit, Emmie (NIH/NIAID) [E]; Ranjan, Mukul (NIH/NIAID) [E]; Graham, Barney (NIH/VRC) [E]; Lerner, Andrea (NIH/NIAID) [E]; Deckhut, Alison (NIH/NIAID) [E]; Eisinger, Robert (NIH/NIAID) [E]; Morabito, Kaitlyn (NIH/VRC) [E]; Degrace, Marciela (NIH/NIAID) [E]; Higgs, Elizabeth (NIH/NIAID) [E]; Nason, Martha (NIH/NIAID) [E]; Derocco, Amanda (NIH/NIAID) [E]; (b) (6)  
**Subject:** NIAID Coronavirus SWAT Weekly Meeting



**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 17 Apr 2020 11:06:22 +0000  
**To:** Boyoglu-Barnum, Seyhan (NIH/VRC) [E]; Kanekiyo, Masaru (NIH/VRC) [E]  
**Subject:** RE: ASV 2020 Abstract Decision (3398501)

Thanks Seyhan. There will be many other chances.

Barney

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**From:** Boyoglu-Barnum, Seyhan (NIH/VRC) [E] <[REDACTED] (b) (6)>  
**Sent:** Friday, April 17, 2020 6:56 AM  
**To:** Graham, Barney (NIH/VRC) [E] [REDACTED] (b) (6)>; Kanekiyo, Masaru (NIH/VRC) [E] [REDACTED] (b) (6)>  
**Subject:** Fw: ASV 2020 Abstract Decision (3398501)

Dear Barney and Masaru,  
I would be giving the talk at ASV meeting if it was not cancelled. Please see below. Hopefully, I can have the same chance next year!  
Thank you.  
Seyhan

---

**From:** American Society for Virology <[onbehalf@abstractcentral.com](mailto:onbehalf@abstractcentral.com)>  
**Sent:** Thursday, April 16, 2020 4:23 PM  
**To:** Boyoglu-Barnum, Seyhan (NIH/VRC) [E] [REDACTED] (b) (6)  
**Subject:** ASV 2020 Abstract Decision (3398501)

Thursday, 16-Apr-2020

Dear Seyhan Boyoglu-Barnum,

It is a pleasure to accept your submission (3398501) entitled "**Elicitation of broad protective immunity to influenza viruses by computationally-designed hemagglutinin-based nanoparticle immunogens**" for presentation at the American Society for Virology 39th Annual Meeting, June 13-17, 2020 at Colorado State University in Fort Collins, Colorado.

PRIOR TO THE CANCELLATION OF THE MEETING, you were selected to give a 15' talk in the Broadly Reactive Viral Vaccines workshop. Although the meeting has been cancelled, ASV still wants you to be able to acknowledge your abstract acceptance. It can be listed on your curriculum vitae (CV):

American Society for Virology Abstract Accepted as Oral Presentation (meeting canceled due to COVID-19 pandemic).

Thank you for your contribution. On behalf of the ASV 2020 Program Committee, we look forward to



your continued contributions.

Sincerely,

Andréa Garcia  
American Society for Virology

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 17 Apr 2020 11:19:24 +0000  
**To:** Stein, Judy (NIH/VRC) [C]  
**Cc:** Mascola, John (NIH/VRC) [E]; Corbett, Kizzmekia (NIH/VRC) [E]; Morabito, Kaitlyn (NIH/VRC) [E]; Alvarado, Gabriela (NIH/VRC) [C]; Bok, Karin (NIH/VRC) [E]; Andrews, Charla (NIH/NIAID) [C]  
**Subject:** RE: SARS-CoV2 expression

Hi Judy,

Do you know where this is stuck. This person is part of NIH and we just need to send the (b) (5)

Barney

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**From:** Petrovich, Robert (NIH/NIEHS) [E] (b) (6) >  
**Sent:** Thursday, April 16, 2020 10:16 PM  
**To:** Graham, Barney (NIH/VRC) [E] < (b) (6) >  
**Cc:** Stein, Judy (NIH/VRC) [C] (b) (6); Mascola, John (NIH/VRC) [E] (b) (6); Corbett, Kizzmekia (NIH/VRC) [E] (b) (6); Morabito, Kaitlyn (NIH/VRC) [E] (b) (6); Alvarado, Gabriela (NIH/VRC) [C] (b) (6); Bok, Karin (NIH/VRC) [E] (b) (6) Andrews, Charla (NIH/NIAID) [C] (b) (6) >  
**Subject:** FW: SARS-CoV2 expression

Hello All,

I know you are busy and we are not anywhere near the top priority, but I would like to know when to expect the (b) (5). I need to alert our warehouse when to expect things so that they will actually deliver them to the lab. Barney indicated to Stavros that we should have the (b) (5) by now, which I do not. I want to know if it was sent and where it was sent. I have the (b) (5) and the electronic copy of your protocols. Was the (b) (5) sent to:

Robert Petrovich  
111 T.W. Alexander Dr.  
NIEHS, room F188  
RTP, NC 2770p

Thanks for your time. I appreciate your help on this.

Bob

Robert Petrovich Ph. D.  
Director, Protein Expression Facility  
Genome Integrity and Structural Biology Lab  
National Institute of Environmental Health Sciences/NIH

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**From:** Garantziotis, Stavros (NIH/NIEHS) [E] (b) (6)  
**Sent:** Tuesday, April 14, 2020 5:39 PM  
**To:** Graham, Barney (NIH/VRC) [E] <(b) (6)>  
**Cc:** Corbett, Kizzmekia (NIH/VRC) [E] (b) (6)>; Stein, Judy (NIH/VRC) [C]  
(b) (6); Hall, Janet (NIH/NIEHS) [E] (b) (6)>; Petrovich, Robert (NIH/NIEHS)  
[E] (b) (6)  
**Subject:** Re: SARS-CoV2 expression

Indeed! We wanted to make sure he has the correct (b) (5) and also ask you for the (b) (5) protocol so we can get working on orders and troubleshooting  
Best regards  
Stavros

Sent from my iPhone

On Apr 14, 2020, at 5:31 PM, Graham, Barney (NIH/VRC) [E] (b) (6) > wrote:

Just FYI. We have already sent the (b) (5) and protocols for (b) (5) to Robert Petrovich at NIEHS. It may be he has already started making (b) (5).

Best wishes,

Barney

Sent from my iPhone

On Apr 14, 2020, at 5:22 PM, Garantziotis, Stavros (NIH/NIEHS) [E] (b) (6) wrote:

Many thanks! For reference. I am the medical director of the NIEHS clinical research unit in North Carolina. I am ccing my clinical director, Jan Hall. She has participated in this discussion from the beginning  
Best regards

Stavros

Sent from my iPhone

On Apr 14, 2020, at 5:20 PM, Corbett, Kizzmekia (NIH/VRC) [E] (b) (6) wrote:

Good evening,

Sure. We are opening sharing [REDACTED] (b) (5) with NIH internally. I believe there is a verbal agreement needed and for that, Judy Stein is cc'ed here.

--

**Kizzmekia S. Corbett, PhD**

**Senior Research Fellow | Scientific Lead**

**Coronavirus Vaccines & Immunopathogenesis (coVip) Team**

Viral Pathogenesis Laboratory | Vaccine Research Center

National Institutes of Allergy and Infectious Diseases

National Institutes of Health

Building 40 Room 2608

40 Convent Drive

Bethesda MD 20892

Laboratory: [REDACTED] (b) (6)

Personal: [REDACTED] (b) (6)

Fax: (301) 480-2771

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**From:** "Garantziotis, Stavros (NIH/NIEHS) [E]" [REDACTED] (b) (6)

**Date:** Tuesday, April 14, 2020 at 5:18 PM

**To:** Kizzmekia Corbett <[REDACTED] (b) (6)>

**Subject:** Fwd: SARS-CoV2 expression

Dear Kizzmekia!

This is Stavros Garantziotis at the NIEHS. We are very interested in bringing your [REDACTED] (b) (5) to our clinical research unit. We discussed with Kaitlyn Sadtler and she referred me to you (see below). Could you please share the protocol? Co-authorship in resulting papers is implied.

Best regards

Stavros

Sent from my iPhone

Begin forwarded message:

**From:** "Sadtler, Kaitlyn (NIH/NIBIB) [E]" <[REDACTED] (b) (6)>

**Date:** April 14, 2020 at 5:14:13 PM EDT

**To:** "Garantziotis, Stavros (NIH/NIEHS) [E]" <[REDACTED] (b) (6)>

**Subject:** Re: SARS-CoV2 expression

This flag didn't pop up as a reminder. You can email Kizzmekia Corbett for the [REDACTED] (b) (5), we are adapting hers. I will reach out to see if ok to share but you can check directly with her as well.

**Kaitlyn Sadtler, Ph.D.**

Earl Stadtman Investigator

Chief, Section for Immuno-Engineering

National Institute of Biomedical Imaging and Bioengineering

National Institutes of Health

50 South Drive, Room 4318

Bethesda, MD 20892

Cell: (b) (6)

Office: (b) (6) Fax: (301) 480-5302

[<image001.png>](#)

30 Under 30 || \_

[<image002.png>](#)

Fellow

[go.ted.com/kaitlynsadtler](http://go.ted.com/kaitlynsadtler)

[<image003.png>](#)

[<image004.png>](#)

---

**From:** "Garantziotis, Stavros (NIH/NIEHS) [E]" <(b) (6)>

**Date:** Monday, April 13, 2020 at 6:57 PM

**To:** "Petrovich, Robert (NIH/NIEHS) [E]" <(b) (6)>, "Sadtler, Kaitlyn (NIH/NIBIB) [E]" <(b) (6)>

**Subject:** Re: SARS-CoV2 expression

Hi Kaitlyn

Can you please provide this info and your (b) (5)?

Many thanks

Stavros

---

**From:** "Petrovich, Robert (NIH/NIEHS) [E]" <(b) (6)>

**Date:** Friday, April 10, 2020 at 11:31 AM

**To:** "Garantziotis, Stavros (NIH/NIEHS) [E]" <(b) (6)>, "Sadtler, Kaitlyn (NIH/NIBIB) [E]" <(b) (6)>

**Subject:** RE: SARS-CoV2 expression

(b) (5)

Bob

---

**From:** Garantziotis, Stavros (NIH/NIEHS) [E] <[REDACTED] (b) (6)>  
**Sent:** Friday, April 10, 2020 10:27 AM  
**To:** Sadtler, Kaitlyn (NIH/NIBIB) [E] <[REDACTED] (b) (6)>  
**Cc:** Petrovich, Robert (NIH/NIEHS) [E] <[REDACTED] (b) (6)>  
**Subject:** RE: SARS-CoV2 expression

Many thanks for the response!

Bob, could you please comment on the [REDACTED] (b) (5) something you can procure or already have?

Kaitlyn, whenever you can share the [REDACTED] (b) (5) that we can start the process of adopting here, that would be greatly appreciated!

Best regards  
Stavros

---

**From:** Sadtler, Kaitlyn (NIH/NIBIB) [E] <[REDACTED] (b) (6)>  
**Sent:** Thursday, April 09, 2020 1:02 PM  
**To:** Garantziotis, Stavros (NIH/NIEHS) [E] <[REDACTED] (b) (6)>  
**Subject:** Re: SARS-CoV2 expression

We are using [REDACTED] (b) (5)  
[REDACTED] Will have to check to see if they made theirs in house but that was what it sounded like.

And yes, sorry things have gotten a bit crazy! Currently trying to widdle down my inbox

Cheers,

Kaitlyn

**Kaitlyn Sadtler, Ph.D.**  
Earl Stadtman Investigator  
Chief, Section for Immuno-Engineering  
National Institute of Biomedical Imaging and Bioengineering  
National Institutes of Health  
50 South Drive, Room 4318  
Bethesda, MD 20892  
Cell: [REDACTED] (b) (6)  
Office: [REDACTED] (b) (6) Fax: (301) 480-5302

[<image005.png>](#)

30 Under 30 || \_

[<image006.png>](#)

Fellow



go.ted.com/kaitlynsadtler

[<image007.png>](#)

[<image008.png>](#)

---

**From:** "Garantziotis, Stavros (NIH/NIEHS) [E]" <(b) (6)>  
**Date:** Thursday, April 9, 2020 at 11:29 AM  
**To:** "Petrovich, Robert (NIH/NIEHS) [E]" <(b) (6)>, "Sadtler, Kaitlyn (NIH/NIBIB) [E]" <(b) (6)>  
**Subject:** RE: SARS-CoV2 expression

Hi Kaitlyn

I assume you got really busy after the press release, but just want to strike the iron while it is hot...would you have a chance to comment on Bob's email? Are the (b) (5) he is using the ones that you are using as well?

Best regards and many thanks  
Stavros

---

**From:** Petrovich, Robert (NIH/NIEHS) [E] <(b) (6)>  
**Sent:** Wednesday, April 08, 2020 3:06 PM  
**To:** Garantziotis, Stavros (NIH/NIEHS) [E] <(b) (6)>; Sadtler, Kaitlyn (NIH/NIBIB) [E] <(b) (6)>  
**Cc:** Hall, Janet (NIH/NIEHS) [E] <(b) (6)>; Zeldin, Darryl (NIH/NIEHS) [E] <(b) (6)>  
**Subject:** RE: SARS-CoV2 expression

Hi Stavros,

I have (b) (5) (came today). I have this from Barney Graham ( Judy Stein, John Mascola, Kizzmekia Corbett, Kaitlyn Morabito, Gabriela Alvarado, Karin Bok, and Charla Andrews -NIH/VRC and NIH/NIAID). They are sending their (b) (5) but they sent their (b) (5) as well. I am also getting in (b) (5)

Just let me know exactly what (b) (5) you want and we will get it for you.

Bob

---

**From:** Garantziotis, Stavros (NIH/NIEHS) [E] <(b) (6)>  
**Sent:** Wednesday, April 8, 2020 1:05 PM  
**To:** Sadtler, Kaitlyn (NIH/NIBIB) [E] <(b) (6)>; Petrovich, Robert (NIH/NIEHS) [E] <(b) (6)>  
**Cc:** Hall, Janet (NIH/NIEHS) [E] <(b) (6)>; Zeldin, Darryl (NIH/NIEHS) [E]



(b) (6) >

**Subject:** SARS-CoV2 expression

Hi Bob

We are in the process of working on a (b) (5)

(b) (5)

(b) (5)

Please let me know if there is a question that I can help clarify

Many thanks!

Stavros

Stavros Garantziotis, MD  
Medical Director, Clinical Research Unit  
National Institute of Environmental Health Sciences  
Research Triangle Park, NC 27709  
Telephone (b) (6)  
eFax (301)480 3011, conv. Fax(919) 541 9854

Adjunct Associate Professor of Medicine  
Duke University Medical Center

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 17 Apr 2020 11:46:47 +0000  
**To:** Hutchinson, Geoffrey (NIH/VRC) [F]  
**Subject:** RE: (b) (5) figures for BMGF  
**Attachments:** 20200416 (b) (5) figures.pptx

Thanks Geoff,

Appreciate your work on this deep into the night. However, I have several questions.

1.  (b) (5)
- 2.
- 3.


Barney

---

**From:** Hutchinson, Geoffrey (NIH/VRC) [F] (b) (6) >  
**Sent:** Friday, April 17, 2020 2:14 AM  
**To:** Graham, Barney (NIH/VRC) [E] (b) (6)  
**Subject:** Re: (b) (5) figures for BMGF

Hi Dr. Graham,

Here are the slides I've put together for the meeting with BMGF:

1. Short characterization of the SARS particle  (b) (5)

Best,

Geoff

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 13 Apr 2020 16:07:12 +0000  
**To:** Seder, Robert (NIH/VRC) [E]  
**Subject:** Re: Immunity Vaccine Review

Hi Bob. I told them we didn't have time to do this now. Maybe in 6 months.

BG

Sent from my iPhone

On Apr 13, 2020, at 11:17 AM, Seder, Robert (NIH/VRC) [E] [REDACTED] (b) (6) wrote:

Barney,

Immunity contacted me about writing a review on COVID vaccines. I would defer to you and Kizze on this. If your interested, let me know and I will get back to them.

Bob

Robert A. Seder, M.D.  
Chief, Cellular Immunology Section  
Vaccine Research Center, NIAID, NIH  
40 Convent Drive  
Bethesda, Maryland 20892  
Office phone: [REDACTED] (b) (6)

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 13 Apr 2020 16:23:30 +0000  
**To:** lisa.hardin@jamanetwork.org  
**Subject:** RE: (b) (6), (b) (4) Request to Review From JAMA

Sorry, but I won't be able to help with this.

Best wishes,

Barney Graham

---

**From:** lisa.hardin@jamanetwork.org <lisa.hardin@jamanetwork.org>  
**Sent:** Monday, April 13, 2020 12:00 PM  
**To:** Graham, Barney (NIH/VRC) [E] (b) (6)  
**Subject:** (b) (6), (b) (4) Request to Review From JAMA

April 13, 2020

Dr Barney Graham  
National Institute of Allergy and Infectious Diseases  
40 Convent Dr, Bldg 40, Rm 2502  
Bethesda, MD 20892  
United States

Dear Dr Graham:

We recently sent you a request to review a submission for the following Research Letter, (b) (6), (b) (4) We did not receive your response. We would appreciate your assistance in reviewing it. The abstract, if available, appears below.

We are especially interested in your assessment of the originality and quality of the manuscript and the importance and suitability of the paper for the readership of the journal.

If you accept this request by clicking below, the manuscript will be assigned to you, and you can begin the review process online. We ask that you complete your review within 3 days of agreeing. CME credit is available for physician peer reviewers whose reviews meet standards of timeliness and quality.

While most conflicts of interest are not disqualifying, if you perceive that you have a disqualifying interest, either financial or otherwise, please contact me immediately (if possible, with the names of alternate reviewers). This will not affect your reviewer status.

Please let us know within 48 hours of receipt of this email whether or not you are available to review. We look forward to hearing from you.

To agree or decline review of this manuscript, click on the link below. You will be required to enter your password. If you are unable to locate your password please click the "Unknown/Forgotten password".

Please do not share this email with anyone.

(b) (6), (b) (4)

Note: The URL may break between 2 lines in this email. If so, please cut/paste both lines into your web browser. There should be no spaces, and the complete URL ends with "Z". If you experience difficulty reaching the article, please contact me at the email or phone number below.

Our Web-based peer-review system allows you to access and review manuscripts online, available at (b) (6), (b) (4) using your standard Web browser.

Instructions to assist you in using the site are accessible from the site's top navigation bar.

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Thank you so much for considering this request.

Sincerely,

Jody W. Zylke, MD  
Deputy Editor, JAMA  
Letters Section Editor

Lisa Hardin, MBA, MHA  
Editorial Assistant II  
Email: [Lisa.Hardin@jamanetwork.org](mailto:Lisa.Hardin@jamanetwork.org)  
Phone: 312.464.2405  
Fax: 312.464.5989

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ABSTRACT

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 13 Apr 2020 16:31:10 +0000  
**To:** paula.jauregui@nature.com  
**Subject:** RE: Nature Microbiology Review Request - Manuscript (b) (6), (b) (4)

I'm sorry, but I am too busy with the vaccine to help with this.

Barney

---

**From:** paula.jauregui@nature.com <paula.jauregui@nature.com>  
**Sent:** Monday, April 13, 2020 7:35 AM  
**To:** Graham, Barney (NIH/VRC) [E] (b) (6) >  
**Subject:** Nature Microbiology Review Request - Manuscript (b) (6), (b) (4)

13th April 2020

Nature Microbiology Review Request (b) (6), (b) (4)

Dear Dr. Graham,

I hope you're doing well and that life is still somewhat normal despite the ongoing coronavirus pandemic. Here in the UK we're mostly working from home and practicing "social distancing". But work carries one here, so I am contacting you today on behalf of Nature Microbiology to ask if you would be interested in helping us assess a manuscript submitted by (b) (6), (b) (4)

(b) (6), (b) (4) first paragraph is pasted below.

I very much hope that you will be able to advise us on this manuscript. Ideally we would like to receive your report within 14 days of receiving the paper, but please let me know if a short extension would allow you to help us with this review.

\*\*\*IMPORTANT\*\*\*

Nature Microbiology uses a transparent peer review system for new original research manuscripts submitted from 1st December 2019. If the manuscript is accepted, the authors may agree for the reviewer comments to the authors, the author rebuttal letters as well as the editorial decision letters to be published as a supplementary file associated with the manuscript. Any confidential comments between you and the editor will not be published. We do not support mark-up of the manuscript as a way of submitting reviewer comments due to the journal following transparent peer review. By submitting a reviewer report you agree to the publication of the comments made to the authors. Unless you sign the report with your name in those comments to the authors, we will respect and maintain your full anonymity. For more information, please refer to our [FAQ page](#).

If you are unable to review this paper, we would be grateful if you could suggest potential alternative reviewers, keeping in mind that Nature-branded journals strive toward an equitable demographic



representation within our reviewer pool, for example, with respect to gender and geography. More information about our commitment to diversity can be found [here](#).

Thank you in advance for your help, and I look forward to hearing from you soon.

With best wishes,  
Paula

---

Paula Jauregui, PhD  
Associate Editor  
Nature Microbiology

[orcid.org/0000-0001-9677-3822](https://orcid.org/0000-0001-9677-3822)

4 Crinan St, London, N1 9XW  
+44 207 014 4288  
[paula.jauregui@nature.com](mailto:paula.jauregui@nature.com)

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(b) (6), (b) (4)

Please note that your contact details are being held on our editorial databases which are used only for

the management of the peer review process, and we might contact you in relation to Nature Research journals other than this one when your expertise is appropriate. If you would prefer us not to contact you in the future please let us know by emailing [microbiology@nature.com](mailto:microbiology@nature.com).

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*As a result of the significant disruption that is being caused by the COVID-19 pandemic we are very aware that many researchers will have difficulty in meeting the timelines associated with our peer review process during normal times. Please do let us know if you need additional time. Our systems will continue to remind you of the original timelines but we intend to be highly flexible at this time.*

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**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 13 Apr 2020 16:44:17 +0000  
**To:** Tesfaya, Selamawit (OS/ASPR/BARDA) (CTR)  
**Subject:** Accepted: COVID-19 Advanced Development Planning Meeting

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Fri, 17 Apr 2020 11:49:46 +0000  
**To:** Corbett, Kizzmekia (NIH/VRC) [E]; Chang, Lauren (NIH/VRC) [F]; Phung, Emily (NIH/VRC) [F]; Abiona, Olubukola (NIH/VRC) [F]  
**Cc:** Kanekiyo, Masaru (NIH/VRC) [E]; Ruckwardt, Tracy (NIH/VRC) [E]; Morabito, Kaitlyn (NIH/VRC) [E]; Alvarado, Gabriela (NIH/VRC) [C]; Carlton, Kevin (NIH/VRC) [E]  
**Subject:** RE: Shipping Protocol for coVip (b) (6) - To Start Wednesday, 03/08/2020

We should go over the plan in a team meeting to make sure everyone can keep up with this.

Thanks,

Barney

---

**From:** Corbett, Kizzmekia (NIH/VRC) [E] (b) (6)  
**Sent:** Thursday, April 16, 2020 10:32 PM  
**To:** Chang, Lauren (NIH/VRC) [F] (b) (6); Phung, Emily (NIH/VRC) [F] (b) (6); Abiona, Olubukola (NIH/VRC) [F] <(b) (6)>  
**Cc:** Graham, Barney (NIH/VRC) [E] (b) (6); Kanekiyo, Masaru (NIH/VRC) [E] (b) (6); Ruckwardt, Tracy (NIH/VRC) [E] (b) (6); Morabito, Kaitlyn (NIH/VRC) [E] (b) (6); Alvarado, Gabriela (NIH/VRC) [C] (b) (6); Carlton, Kevin (NIH/VRC) [E] (b) (6)  
**Subject:** Re: Shipping Protocol for coVip (b) (6) - To Start Wednesday, 03/08/2020

Hi all,  
Please see updates on this protocol below:

--

**Kizzmekia S. Corbett, PhD**  
**Senior Research Fellow | Scientific Lead**  
**Coronavirus Vaccines & Immunopathogenesis (coVip) Team**  
Viral Pathogenesis Laboratory | Vaccine Research Center  
National Institutes of Allergy and Infectious Diseases  
National Institutes of Health

Building 40 Room 2608  
40 Convent Drive  
Bethesda MD 20892  
Laboratory: (b) (6)  
Personal: (b) (6)  
Fax: (301) 480-2771

---

**From:** Kizzmekia Corbett <(b) (6)>  
**Date:** Monday, April 6, 2020 at 10:17 PM  
**To:** "Chang, Lauren (NIH/VRC) [F]" (b) (6), "Phung, Emily (NIH/VRC) [F]" (b) (6), "Abiona, Olubukola (NIH/VRC) [F]" (b) (6)  
**Cc:** Barney Graham (b) (6), "Kanekiyo, Masaru (NIH/VRC) [E]" (b) (6), "Ruckwardt, Tracy (NIH/VRC) [E]" <(b) (6)>, Kaitlyn Morabito (b) (6), "Alvarado, Gabriela (NIH/VRC) [C]" (b) (6), Kevin Carlton (b) (6)  
**Subject:** Shipping Protocol for coVip (b) (6) - To Start Wednesday, 03/08/2020

Good evening all,  
Thanks to everyone who has come together to facilitate an organized shipping protocol for incoming CoV (b) (6) requests.

(b) (5), (b) (3) (A)

Let's see how this week goes, and amend aptly. I hear that Jason McLellan and Florian hired shippers to fulfill their requests so in our case, ***teamwork makes the dreams work***, as always.

Cheers,

--

**Kizzmekia S. Corbett, PhD**

**Senior Research Fellow | Scientific Lead**

**Coronavirus Vaccines & Immunopathogenesis (coVip) Team**

Viral Pathogenesis Laboratory | Vaccine Research Center

National Institutes of Allergy and Infectious Diseases

National Institutes of Health

Building 40 Room 2608

40 Convent Drive

Bethesda MD 20892

Laboratory: (b) (6)

Personal: (b) (6)

Fax: (301) 480-2771

**From:** Graham, Barney (NIH/VRC) [E]  
**Sent:** Mon, 13 Apr 2020 17:47:30 +0000  
**To:** Mark Feinberg  
**Cc:** Mascola, John (NIH/VRC) [E]  
**Subject:** RE: Greetings and A Perspective

[Redacted content] (b) (4)

Barney

---

**From:** Mark Feinberg [Redacted] (b) (6)  
**Sent:** Monday, April 13, 2020 1:33 PM  
**To:** Graham, Barney (NIH/VRC) [E] [Redacted] (b) (6)  
**Subject:** Greetings and A Perspective

Dear Barney,

I hope this note finds you and yours doing well and that your very important SARS-CoV-2 vaccine efforts are progressing exceptionally quickly and well.

[Redacted content] (b) (4)

[Redacted content] (b) (4). Please let me know if you have any questions or would like any additional information about this.

Be well,

Very best,

Mark