

# COMMITTEE ON ETHICS

## EMPLOYEE POST-TRAVEL DISCLOSURE FORM Original Amendment

This form is for disclosing the receipt of travel expenses from private sources for travel taken in connection with official duties. This form does not eliminate the need to report privately-funded travel on the annual *Financial Disclosure Statements* of those employees required to file them. In accordance with House Rule 25, clause 5, **you must complete this form and file it with the Clerk of the House by email at [gifttravelreports@mail.house.gov](mailto:gifttravelreports@mail.house.gov), within 15 days after travel is completed.** Please **do not** file this form with the Committee on Ethics.

**NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.**

- Name of Traveler: Emily Victoria Rubin
- a. Name of Accompanying Relative: \_\_\_\_\_ **OR**  None  
b. Relationship to Traveler:  Spouse  Child  Other (specify): \_\_\_\_\_
- a. Dates: Departure: August 7, 2023 Return: August 10, 2023  
b. Dates at Personal Expense, if any: \_\_\_\_\_ **OR**  None
- Departure City: Washington, DC Destination: Stanford, CA Return City: Washington, DC
- Sponsor(s), Who Paid for the Trip: Stanford University, Institute for Progress, and the Good Ventures Foundation
- Describe Meetings and Events Attended: Lectures and panels focusing on biosecurity policy, advances in synthetic biology, pandemic preparedness, national security and response, and tour of the Lawrence Livermore National Laboratory
- Attached to this form are **each** of the following, *signify that each item is attached by checking the corresponding box*:
  - a completed *Sponsor Post-Travel Disclosure Form*;
  - the *Primary Trip Sponsor Form* completed by the trip sponsor **prior** to the trip, **including all** attachments **and** the *Additional Sponsor Form(s)*;
  - page 2 of the completed *Traveler Form* submitted by the employee; **and**
  - the letter from the Committee on Ethics approving my participation on this trip.
- a.  I represent that I participated in each of the activities reflected in the attached sponsor's agenda. *Signify statement is true by checking the box.*  
b. If not, explain: \_\_\_\_\_

**I certify that the information contained on this form is true, complete, and correct to the best of my knowledge.**

Signature of Traveler:  Date: 08 / 30 / 2023

I authorized this travel in advance. I have determined that all of the expenses listed on the attached *Sponsor Post-Travel Disclosure Form* were necessary and that the travel was in connection with the employee's official duties and would not create the appearance that the employee is using public office for private gain.

Name of Supervising Member: Frank Lucas Date: 08 / 30 / 2023

Signature of Supervising Member: 



# COMMITTEE ON ETHICS

## SPONSOR POST-TRAVEL DISCLOSURE FORM

Original  Amendment

This form must be completed by an officer of any organization that served as the primary trip sponsor in providing travel expenses or reimbursement for travel expenses to House Members, officers, or employees under House Rule 25, clause 5. **A completed copy of the form must be provided to each House Member, officer, or employee who participated in the trip within 10 days of their return.** You must answer all questions, and check all boxes, on this form for your submission to comply with House Rules and the Committee's Travel Regulations. Failure to comply with this requirement may result in the denial of future requests to sponsor trips and/or subject the current traveler to disciplinary action or a requirement to repay the trip expenses.

**NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.**

1. Sponsor(s) who paid or provided in-kind support for the trip: Stanford University, Institute for Progress, and the Good Ventures Foundation

2. Travel Destination(s): Stanford, CA

3. Date of Departure: August 7th, 2023 Date of Return: August 10th, 2023

4. Name(s) of Traveler(s): Victoria Rubin

*Note:* You may list more than one traveler on a form only if **all** information is **identical** for each person listed.

5. **Actual amount** of expenses paid on behalf of, or reimbursed to, each individual named in Question 4:

	Total Transportation Expenses	Total Lodging Expenses	Total Meal Expenses	Total Other Expenses (dollar amount per item and description)
Traveler	\$970.75	\$850.40	\$169.47	\$30 - conference services per person
Accompanying Family Member	N/A	N/A	N/A	N/A

6.  All expenses connected to the trip were for actual costs incurred and not a *per diem* or lump sum payment. Signify statement is true by checking box.

**I certify that the information contained in this form is true, complete, and correct to the best of my knowledge.**

Signature: Allison Berke Digitally signed by Allison Berke  
Date: 2023.08.18 10:38:50 -07'00' Date: 08.18.2023

Name: Allison Berke Title: Director of Advanced Technology

Organization: Stanford University, Stanford Institute for Economic Policy Research

**I am an officer of the above-named organization. Signify statement is true by checking box.**

Address: 366 Galvez St., Stanford CA 94305

Telephone: 650-276-9287 Email: aberke@stanford.edu

*Committee staff may contact the above-named individual if additional information is required.*

If you have questions regarding your completion of this form, please contact the Committee on Ethics at 202-225-7103.



U.S. House of Representatives

# COMMITTEE ON ETHICS

## TRAVELER FORM

1. Name of Traveler: Emily Victoria Rubin
2. Sponsor(s) who will be paying or providing in-kind support for the trip:  
Stanford University, The Institute for Progress (IFP), Good Ventures Foundation
3. City and State **OR** Foreign Country of Travel : Stanford, CA
4. a. Date of Departure: 08/07/2023 Date of Return: 08/10/2023  
b. Yes  No  Will you be extending the trip at your personal expense?  
If yes, list dates at personal expense: \_\_\_\_\_
5. a. Yes  No  Will you be accompanied by a family member at the sponsor's expense? **If yes:**  
(1) Name of Accompanying Family Member: \_\_\_\_\_  
(2) Relationship to Traveler:  Spouse  Child  Other (specify): \_\_\_\_\_  
(3) Yes  No  Accompanying Family Member is at least 18 years of age:
6. a. Yes  No  Did the trip sponsor answer "Yes" to Question 8(c) on the *Primary Trip Sponsor Form* (i.e., travel is sponsored by an entity that employs a registered federal lobbyist or a foreign agent)?  
b. **If yes**, and you are requesting lodging for two nights, explain why the second night is warranted:
7. Yes  No  *Primary Trip Sponsor Form* is attached, including agenda, invitee list, and any other attachments and Additional Sponsor Forms.

*NOTE: The agenda should show the traveler's individual schedule, including departure and arrival times and identify the specific events in which the traveler will be participating.*

8. Explain why participation in the trip is connected to the traveler's individual official or representational duties.  
**Staff should include their job title and how the activities on the itinerary relate to their duties.**  
Mrs. Rubin is a Senior Professional Staff Member of the House Science, Space, and Technology Committee, which means that she is likely to encounter policy topics related to pandemic prevention, biosecurity, and emerging biotechnologies.
9. **Yes  No  Is the traveler aware of any registered federal lobbyists or foreign agents involved planning, organizing, requesting, or arranging the trip?**
10. For staff travelers, to be completed by your employing Member:

### ADVANCED AUTHORIZATION OF EMPLOYEE TRAVEL

I hereby authorize the individual named above, an employee of the U.S. House of Representatives who works under my direct supervision, to accept expenses for the trip described in this request. I have determined that the above-described travel is in connection with my employee's official duties and that acceptance of these expenses will not create the appearance that the employee is using public office for private gain.

Signature of Employing Member  Date 06/26/2023





U.S. House of Representatives

# COMMITTEE ON ETHICS

## INSTRUCTIONS

Complete the *Additional Trip Sponsor Form* and submit the forms directly to the Primary Trip Sponsor.

Written approval from the Committee on Ethics is required before traveling on this trip. The Committee on Ethics will notify the House invitees directly and will not notify the trip sponsors.

**Willful or knowing misrepresentation on this form may be subject to criminal prosecution under 18 U.S.C. § 1001. Signatures must comply with section 104(bb) of the Travel Regulations.**

**For questions, please contact the Committee on Ethics at:**

1015 Longworth House Office Building  
Washington, D.C. 20515

[ethicscommittee@mail.house.gov](mailto:ethicscommittee@mail.house.gov) | 202-225-7103  
More information and forms available at [ethics.house.gov](http://ethics.house.gov)



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# COMMITTEE ON ETHICS

## PRIMARY TRIP SPONSOR FORM

This form should be completed by private entities offering to provide travel or reimbursement for travel to House Members, officers, or employees under House Rule 25, clause 5. A completed copy of the form (and any attachments) should be provided to each invited House Member, officer, or employee, who will then forward it to the Committee together with a *Traveler Form* **at least 30 days before the start date of the trip**. The trip sponsor should *NOT* submit the form directly to the Committee. The Committee website ([ethics.house.gov](http://ethics.house.gov)) provides detailed instructions for filling out the form.

**NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001. Failure to comply with the Committee's Travel Regulations may also lead to the denial of permission to sponsor future trips.**

1. Sponsor who will be paying for the trip:

Stanford University

2.  I represent that the trip will not be financed, in whole or in part, by a registered federal lobbyist or foreign agent. Signify that the statement is true by checking box.

3. **Check only one.** I represent that:

a.  The primary trip sponsor has not accepted from any other source, funds intended directly or indirectly to finance any aspect of the trip: **OR**

b.  The trip is arranged without regard to congressional participation and the primary trip sponsor has accepted funds only from entities that will receive a tangible benefit in exchange for those funds: **OR**

c.  The primary trip sponsor has accepted funds from other source(s) intended directly or indirectly to finance all or part of this trip and has enclosed disclosure forms from each of those entities.

If "c" is checked, list the names of the additional sponsors:

Good Ventures Foundation and the Institute for Progresss (IFP)

4. Provide names and titles of **ALL** House Members *and* employees you are inviting. **For each House invitee, provide an explanation of why the individual was invited** (include additional pages if necessary):

See Attached list

5. Yes  No  Is travel being offered to an accompanying family member of the House invitee(s)?

6. Date of departure: 08/07/2023 Date of return: 08/10/2023

7. a. City of departure: Washington, DC

b. Destination(s): Stanford, CA

c. City of return: Washington, DC

8. **Check only one.** I represent that:

a.  The sponsor of the trip is an institution of higher education within the meaning of section 101 of the Higher Education Act of 1965: **OR**

b.  The sponsor of the trip does not retain or employ a registered federal lobbyist or foreign agent: **OR**

c.  The sponsor employs or retains a registered federal lobbyist or foreign agent, but the trip is for attendance at a one-day event *and* lobbyist / foreign agent involvement in planning, organizing, requesting, or arranging the trip was *de minimis* under the Committee's travel regulations.

9. **Check only one of the following:**

a.  I checked 8(a) or (b) above; **OR**

b.  I checked 8(c) above but am not offering any lodging; **OR**

c.  I checked 8(c) above and am offering lodging and meals for one night; **OR**

d.  I checked 8(c) above and am offering lodging and meals for two nights. If you checked this box, explain why the second night of lodging is warranted:



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# COMMITTEE ON ETHICS

10.  Attached is a detailed agenda of the activities House invitees will be participating in during the travel (i.e., an hourly description of planned activities for trip invitees). *Indicate agenda is attached by checking box.*
11. **Check only one of the following:**
- a.  I represent that a registered federal lobbyist or foreign agent will not accompany House Members or employees on any segment of the trip. *Signify that the statement is true by checking box; OR*
- b.  *Not Applicable.* Trip sponsor is a U.S. institution of higher education.
12. For **each** sponsor required to submit a sponsor form, describe the sponsor's interest in the subject matter of the trip **and** its role in organizing and/or conducting the trip:
- Good Ventures Foundation provided funding for the trip but is not involved in organizing or conducting the trip. Stanford University is organizing and conducting the trip. Both org's interest in the subject matter is in providing education and professional development opportunities related to pandemic prevention and biosecurity, to improve pandemic response.
13. **Answer parts a and b. Answer part c if necessary:**
- a. Mode of travel: Air  Rail  Bus  Car  Other  (specify: \_\_\_\_\_)
- b. Class of travel: Coach  Business  First  Charter  Other  (specify: \_\_\_\_\_)
- c. If travel will be first class, or by chartered or private aircraft, explain why such travel is warranted:
14.  I represent that the expenditures related to local area travel during the trip will be unrelated to personal or recreational activities of the invitee(s). *Signify that the statement is true by checking the box.*
15. **Check only one.** I represent that either:
- a.  The trip involves an event that is arranged or organized *without regard* to congressional participation and that meals provided to congressional participants are similar to those provided to or purchased by other event attendees; **OR**
- b.  The trip involves events that are arranged specifically *with regard* to congressional participation.
- If "b" is checked:
- 1) Detail the cost *per day* of meals (approximate cost may be provided):
- Approximately \$15 for breakfast, \$15 for lunch, and \$32 for dinner per person
- 2) Provide the reason for selecting the location of the event or trip:
- The speakers and organizer (Stanford) are hosting the event at their place of employment
16. Name, nightly cost, and reasons for selecting each hotel or other lodging facility:
- Hotel Name: Hotel Parmani City: Palo Alto, CA Cost Per Night: \$178.45
- Reason(s) for Selecting: Proximity to the event location, and cost
- Hotel Name: \_\_\_\_\_ City: \_\_\_\_\_ Cost Per Night: \_\_\_\_\_
- Reason(s) for Selecting: \_\_\_\_\_
- Hotel Name: \_\_\_\_\_ City: \_\_\_\_\_ Cost Per Night: \_\_\_\_\_
- Reason(s) for Selecting: \_\_\_\_\_
17.  I represent that all expenses connected to the trip will be for actual costs incurred and not a per diem or lump sum payment. *Signify that the statement is true by checking the box.*



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# COMMITTEE ON ETHICS

### 18. Total Expenses for each Participant:

<input type="checkbox"/> Actual Amounts <input checked="" type="checkbox"/> Good Faith Estimates	Total Transportation Expenses per Participant	Total Lodging Expenses per Participant	Total Meal Expenses per Participant
For each Member, Officer, or Employee	\$800	\$535.35	\$171
For each Accompanying Family Member			

	Other Expenses (dollar amount per item)	Identify Specific Nature of "Other" Expenses (e.g., taxi, parking, registration fee, etc.)
For each Member, Officer, or Employee	\$30	Conference services per person
For each Accompanying Family Member		

**NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001.**

### 19. Check only one:

- a.  I certify that I am an officer of the organization listed below; **OR**
- b.  *Not Applicable*. Trip sponsor is an individual or a U.S. institution of higher education.

### 20. I certify by my signature that

- a. I read and understand the Committee's Travel Regulations;
- b. I am not a registered federal lobbyist or registered foreign agent; and
- c. The information on this form is true, complete, and correct to the best of my knowledge.

Signature: Allison Berke Digitally signed by Allison Berke  
Date: 2023.05.22 12:53:22 -07'00' Date: 05/22/2023

Name: Allison Berke Title: Director of Advanced Technology

Organization: Stanford Institute for Economic Policy Research

Address: 366 Galvez St., Stanford CA 94305

Email: aberke@stanford.edu Telephone: (650) 276-9287

## INSTRUCTIONS

Complete the *Primary Trip Sponsor Form* and submit the agenda, invitation list, any attachments, and any *Additional Trip Sponsor Forms* directly to the Travelers.

Written approval from the Committee on Ethics is required before traveling on this trip. The Committee on Ethics will notify the House invitees directly and will not notify the trip sponsors.

**Willful or knowing misrepresentation on this form may be subject to criminal prosecution under 18 U.S.C. § 1001. Signatures must comply with section 104(bb) of the Travel Regulations.**

**For questions, please contact the Committee on Ethics at:**

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U.S. House of Representatives

## COMMITTEE ON ETHICS

## ADDITIONAL TRIP SPONSOR FORM

This form should be completed by an organization that provides funds, services, or in-kind assistance to another entity to underwrite, in whole or in part, a trip or an event, meal, or activity that will occur during a trip, or a necessary expense that will be incurred during a trip, with express or implicit knowledge or understanding that one or more House Members or employees may participate in or attend that trip or event, or otherwise may be beneficiaries of the gift or donation.

**Provide a copy of your completed form to the primary sponsor of the trip.**

**NOTE: Willful or knowing misrepresentations on this form may be subject to criminal prosecution pursuant to 18 U.S.C. § 1001. Failure to comply with the Committee's Travel Regulations may also lead to the denial of permission to sponsor future trips.**

1. Name of Primary Trip Sponsor: Stanford University
2. Name of your organization: Good Ventures Foundation
3. Yes  No  Is your organization designated a § 501(c)(3) charitable organization by the Internal Revenue Service?
4. Yes  No  Does your organization receive funding from any foreign government or multinational organization?
5. **Check one.** I certify that my organization:
  - a.  Has provided a grant, gift, or donation to the above-named Primary Trip Sponsor and conducts an audit or review of its grant, gift, or donation to ensure that the funds are spent in accordance with the terms of its grant, gift, or donation. **OR**
  - b.  Has had a direct role in the organizing, planning, or conducting of a trip to  
Destination: \_\_\_\_\_ on Date: \_\_\_\_\_  
that is being organized or arranged by the above-named Primary Trip Sponsor. **OR**
  - c.  Has provided in-kind support to the above-named Primary Trip Sponsor (e.g., meeting planning assistance, meeting space and set-up, and paying for expenses related to this trip directly to the service provider).
6. **Check only one:**
  - a.  My organization does not employ or retain a registered federal lobbyist or foreign agent **OR**
  - b.  My organization employs a registered federal lobbyist or foreign agent, but their involvement in planning, organizing, or arranging the trip was *de minimis* under the travel regulations.
7. I certify by my signature that
  - a. I read and understand the Committee's Travel Regulations;
  - b. I am not a registered federal lobbyist or registered foreign agent;
  - c. I am an officer of this organization and am duly authorized to sign this form; and
  - d. The information on this form is true, complete, and correct to the best of my knowledge.

Signature:  Date: 4/28/2023 | 10:30 AM PDT

Name: Sarah Li Title: Authorized Signatory

Organization: Good Ventures Foundation

Address: 314 Lytton Avenue Palo Alto, CA 94301

Email: openPhil@iconiqcapital.com Telephone: \_\_\_\_\_



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# COMMITTEE ON ETHICS

## INSTRUCTIONS

Complete the *Additional Trip Sponsor Form* and submit the forms directly to the Primary Trip Sponsor.

Written approval from the Committee on Ethics is required before traveling on this trip. The Committee on Ethics will notify the House invitees directly and will not notify the trip sponsors.

**Willful or knowing misrepresentation on this form may be subject to criminal prosecution under 18 U.S.C. § 1001. Signatures must comply with section 104(bb) of the Travel Regulations.**

**For questions, please contact the Committee on Ethics at:**

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Michael Guest, Mississippi  
*Chairman*  
Susan Wild, Pennsylvania  
*Ranking Member*

David P. Joyce, Ohio  
John H. Rutherford, Florida  
Andrew R. Garbarino, New York  
Michelle Fischbach, Minnesota

Veronica Escobar, Texas  
Mark DeSaulnier, California  
Deborah K. Ross, North Carolina  
Glenn F. Ivey, Maryland



ONE HUNDRED EIGHTEENTH CONGRESS

**U.S. House of Representatives**

COMMITTEE ON ETHICS

Thomas A. Rust  
*Staff Director and Chief Counsel*

Keelie Broom  
*Counsel to the Chairman*

David Arrojo  
*Counsel to the Ranking Member*

1015 Longworth House Office Building  
Washington, D.C. 20515-6328  
Telephone: (202) 225-7103  
Facsimile: (202) 225-7392

July 19, 2023

Ms. Emily Victoria Rubin  
Committee on Science, Space, and Technology  
2321 Rayburn House Office Building  
Washington, DC 20515

Dear Ms. Rubin:

Pursuant to House Rule 25, clause 5(d)(2), the Committee on Ethics hereby approves your proposed trip to Stanford, California, scheduled for August 7 to 10, 2023, sponsored by Stanford University, Good Ventures Foundation, and Institute for Progress.

You must complete an Employee Post-Travel Disclosure Form (which your employing Member must also sign) and file it, together with a Sponsor Post-Travel Disclosure Form completed by the trip sponsor, with the Clerk of the House within 15 days after your return from travel. As part of that filing, you are also required to attach a copy of this letter and both the Traveler and Primary Trip Sponsor Forms (including attachments) you previously submitted to the Committee in seeking pre-approval for this trip. If you are required to file an annual Financial Disclosure Statement, you must also report all travel expenses totaling more than \$480 from a single source on the "Travel" schedule of your annual Financial Disclosure Statement covering this calendar year. Finally, Travel Regulation § 404(d) also requires you to keep a copy of all request forms and supporting information provided to the Committee for three subsequent Congresses from the date of travel.

If you have any further questions, please contact the Committee's Office of Advice and Education at extension 5-7103.

Sincerely,

Michael Guest  
Chairman

Susan Wild  
Ranking Member

MG/SW:mc

# Stanford Biosecurity Workshop Agenda

All events take place at the Mackenzie Room in the Huang Engineering Building on Stanford Campus, unless otherwise indicated

## **Day 1: August 7th, 2023**

Room 300, 475 Via Ortega, Stanford, CA 94305

7:00 am – Flight departs Washington Dulles (IAD)

9:41 am – Flight arrives SFO; shuttle will meet you at the airport and drive (~45 min) to Stanford campus

11:45 am – 12:00pm: Welcome (Allison Berke, Jassi Pannu, David Relman)

12:00 pm – 1:00 pm: Lunch

1:00 pm - 2:00 pm: Session 1 (Background/overview of biosecurity and previous biosecurity policy efforts – Drew Endy, David Relman)

- The history of US biosecurity policy, the structure of responsibilities, pandemic response and effectiveness past and current (e.g., SARS, Ebola, Zika, COVID), and how priorities are set

2:00 pm - 2:30 pm: Break

2:30 pm - 4:00 pm: Session 2 (Pandemic preparedness, medical countermeasures – Steve Luby, David Relman)

- How pandemics are identified, how responses build and are evaluated mid-stream, what our response capabilities are and how these are developed, and what our current capabilities can and cannot address (e.g., vaccine development pipeline, new antibiotic development, protective equipment, building airflow standards, UV-C sterilization)

4:00 pm - 4:30 pm: Break

4:30 pm - 6:30 pm: Dinner and Session 3 (Immunology, synthetic biology, and disease biology – Milana Trounce, Megan Palmer)

- Human and disease biology (how does a pathogen cause illness, What is special about zoonotic diseases), and synthetic biology (what does it mean to edit a gene, to synthesize a molecule, to engineer a protein)

6:30 pm: Return to accommodations

## **Day 2: August 8th, 2023**

Room 300, 475 Via Ortega, Stanford, CA 94305

8:00 am – 9:30 am: Breakfast (Tessa Alexanian (TBC))

9:30 am – 9:45 am: Break

9:45 am – 10:15 am: Debrief from previous day

10:15 am – 11:15 am: Session 4 (Supply-chain and innovation pipeline problems – Dan Greene, Becky Mackelprang)

- How we mobilize vaccines, PPE, medications, and personnel, when a pandemic is identified; what we might find as an obstacle to innovation, supply chain, or biological product development over the next 10 years

11:15 am – 11:45 am: Break

11:45 am – 1:15 pm: Lunch and Session 5 (Surveillance, spillovers, and outbreak investigation – Alexandria Boehm, Jassi Pannu, David Relman)

- How we monitor biological activities - animal and human health, wastewater monitoring, spillovers - and how we investigate and determine the source of an outbreak. How do we identify whether an outbreak is manmade/engineered or natural; What biosecurity measures are associated with what biosafety levels / types of activity

1:15 pm – 1:30 pm: Break

1:30 pm – 3:00 pm: Keynote (Applications of cutting-edge technology to biosecurity – Brian Souza)

- Novel sequencing, modeling, and sampling techniques for surveillance and detection; LLNL capabilities in biosecurity and bioforensics

3:00 pm – 3:30 pm: Break

3:30 pm – 6:00 pm: Simulation exercise (Tabletop exercise involving a simulated scenario of multiple outbreaks – Harshini Mukundan, Trond Undheim, Connor Hoffman, Amy Zegart (TBC))

6:00 pm – 8:30 pm: Dinner (Condoleezza Rice (TBC))

### ***Day 3: August 9th, 2023***

Room 300, 475 Via Ortega, Stanford, CA 94305

7:45 am – 8:30 am: Breakfast and debrief from previous day

8:30 am – 9:30 am: Session 7 (International collaborations, research funding, and educational pipeline – Becky Mackelprang, Hank Greely)

- What areas of the bioeconomy are exciting to researchers, and what US capabilities are for scaling up the biosecurity and bioeconomy workforce, including training programs, education and funding for educational programs, and philanthropic support

9:30 am – 10:00 am: Break

10:00 am – 11:30 am: Session 8 (Terrorism and nation-state capabilities; nonproliferation and status of treaties – Stephen Maurer, Charles Briggs, Allison Berke)

- Past and current threat assessments, what past uses of biological agents imply about future threats; The BTWC, CBMs, proposed verification measures, UNSCR 1540, the role of the WHO, etc.

11:30 am – 12:00 pm: Break

12:00 pm – 1:30 pm: Lunch and Session 9 (Worst-case scenarios and compounding effects - climate change, chemical weapons, nuclear weapons – Ann Thresher, Trond Undheim)

- How climate change, nuclear weapons, and chemical weapons can compound the difficulties of biodefense, lead to increased spillover effects, or encourage fear

1:30 pm – 2:00 pm: Break

2:00 pm – 2:30 pm: Shuttle bus travel to Field Trip location (Option 1 - Antheia Bio, 1430 O'Brien Drive, Menlo Park, CA; Option 2 – Lawrence Livermore National Lab, 7000 East Avenue, Livermore, CA)

2:30 pm – 4:30 pm: Field Trip at Antheia Bio / LLNL

- Participants will be able to see first-hand the operations of a bioforensics laboratory and synthetic biology equipment, and hear from speakers Christina Smolke (Stanford and Antheia Bio) or Brian Souza (LLNL) how their respective industries (synthetic biology, and national defense / science in the national interest sponsored by DoE and DoD) are helping produce medical countermeasures, investigate disease outbreaks, and prepare for future pandemics or biothreats. Participants will be able to see what lab procedures and lab equipment look like, and get a sense for how biological products are made and how biological research is conducted in a laboratory (e.g., what do growing cells look like. What does a biological safety cabinet look like. How does a researcher prepare a sample of DNA for sequencing).

4:30 pm – 5:00 pm: Return from field trip to Stanford (shuttle bus)

5:00 pm – 8:30 pm: Dinner and Feedback Session at Huang Building, Stanford, joint with IFP (Institute for Progress) Synthetic Biology workshop attendees.

- This dinner will allow participants and the day's speakers (Ann Thresher, Trond Undheim, Stephen Maurer, Charles Briggs, Becky Mackelprang, Hank Greely, Tara O'Toole) the opportunity to debrief the day's sessions, answer additional questions, and meet IFP's workshop attendees, who will have spent the past three days learning about synthetic biology techniques (e.g., CRISPR) and

pathogen detection and protection mechanisms (e.g., air filtration and UV light decontamination). Both groups of attendees share an interest in, and professional experience with or responsibility for, pandemic prevention. This dinner is intended to allow attendees of both workshops to network and to share what they have learned over the past three days.

8:30pm: Shuttle bus leaves for Hotel Parmani

***Day 4 (travel-only day): August 10th, 2023***

6:45 am – Shuttle departs Hotel Parmani for SFO

8:47am – Flight departs SFO

4:24pm – Flight arrives at IAD (Washington Dulles)

**Speakers:**

- Drew Endy (Martin Family Fellow in Undergraduate Education & Assoc. Professor of Bioengineering, Stanford)
- David Relman (Thomas C. and Joan M. Merigan Professor in Medicine, and Professor of Microbiology & Immunology, and Senior Fellow at the Freeman Spogli Institute for International Studies at Stanford University. He is also Chief of Infectious Diseases at the Veterans Affairs Palo Alto Health Care System in Palo Alto, California)
- Milana Trounce (Clinical Professor of Emergency Medicine, Stanford Medical School)
- Connor Hoffman (Research and Programs Assistant, Freeman Spogli Institute for International Studies, Stanford)
- Allison Berke (Director of Advanced Technology, Stanford Institute for Economic Policy Research)
- Dan Greene (Senior Analyst in Biosafety, Biosecurity, and Emerging Technologies at Gryphon Scientific)
- Megan Palmer (Adjunct Professor of Bioengineering, Stanford)
- Steve Luby (Professor of Medicine (Infectious Diseases) and Senior Fellow at the Woods Institute and the Freeman Spogli Institute and Professor, by Courtesy, of Epidemiology and Population Health, Stanford)
- Harshini Mukundan (Program Manager for Chemical and Biological Technologies, Lawrence Berkeley National Laboratory)
- India Hook-Barnard (Executive Director, Engineering Biology Research Consortium)
- Ann Thresher (Postdoctoral Scholar in Philosophy, Stanford)
- Arielle D'Souza (Endless Frontier Fellow, Institute for Progress)

- Becky Mackelprang (Associate Director for Security Programs, Engineering Biology Research Consortium)
- Jassi Pannu (Internal Medicine Resident Physician, Stanford)
- Michele Barry (Drs. Ben & A. Jess Shenson Professor, Senior Associate Dean, Global Health, Director, Center for Innovation in Global Health, Professor of Medicine, Senior Fellow at Woods and Professor, by Courtesy, of Psychiatry and Behavioral Science, Stanford)
- Hank Greely (Deane F. and Kate Edelman Johnson Professor of Law and Professor, by Courtesy, of Genetics, Stanford)
- Amy Zegart (Morris Arnold and Nona Jean Cox Senior Fellow at the Hoover Institution, Senior Fellow at the Freeman Spogli Institute for International Studies, and Professor, by Courtesy, of Political Science, Stanford)
- Trond Undheim (Research Scholar, Center for International Security and Cooperation, Stanford)
- Herb Lin (Senior Research Scholar, Center for International Security and Cooperation, Stanford)
- Mel Salm (Postdoctoral Scholar, Infectious Diseases, Stanford)
- Brian Souza (Director of the Center for Biosecurity, Lawrence Livermore National Laboratory)
- Condoleezza Rice (Former Secretary of State; Director of the Hoover Institution, Stanford)
- Christina Smolke (Professor of Bioengineering, Stanford, and CEO of Antheia Bio)

## Appendix: Attendees whose travel differs from the agenda above

- Claire Wengrod: Arriving from Bozeman, Montana (departs Bozeman at 6:10am 8/7 and arrives at SFO 9:15am 8/7; can take the same airport shuttle as the other attendees) and departing to Seattle, Washington (departs 9:32am from SFO on 8/10 and arrives in Seattle that day at 11:51am; she can take the same airport shuttle as the other attendees)
- Dahlia Sokolov: Arriving Sunday (Departs DC at 6pm and arrives at SFO 8:40pm August 6<sup>th</sup>; she will take a taxi from SFO to the hotel)
- Isabel Coughlin: Returning to Salt Lake City, Utah (flight departs 8/10 at 8:43 am, arrives in SLC 11:46am, so she can take the same airport shuttle the morning of 8/10 as the other attendees)
- Kelvin Yu: Extending trip for personal travel. His last event will be 8/9, returning to Hotel Parmani at 8:30pm.
- Micah Ketchel: No return flight; a different trip begins directly after this one. His last event will be 8/9 returning to Hotel Parmani at 8:30pm.

The list of confirmed attendees is:

Diana Bergwin (Committee on Homeland Security - H)  
Jonathan Clifford (Intelligence Committee - H)  
Isabel Coughlin (Spanberger - H)  
Daniel Gastfriend (NSC)  
Kevin Griffen (Carson - H)  
Micah Ketchel (Waltz - H)  
Lauren McClain (Homeland Security Committee - H)  
Beth Nelson (Young - S)  
Victoria Rubin (House Science and Technology Committee)  
Christina Salazar (Homeland Security Committee - S)  
Dahlia Sokolov (Lofgren - H)  
Jose Villalvazo (Padilla - S)  
Claire Wengrod (Heinrich - S)  
Zach Wilson (Bice - H)  
Colin Yokanovich (Crenshaw - H)  
Kelvin Yu (Space, Science, and Technology Committee - H)