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, 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.

1. Name of Traveler: Deepa Patel
2. a. Name of Accompanying Relative: _____ ***OR*** ☒ None
   b. Relationship to Traveler: ☐ Spouse ☐ Child ☐ Other (specify): _____
3. a. Dates: Departure: August 7, 2023 Return: August 10, 2023
   b. Dates at Personal Expense, if any: _____ ***OR*** ☒ None
4. Departure City: WASHINGTON DULLES INTERNATIONAL AIRPORT (IAD) Destination: San Francisco, CA Return City: WASHINGTON DULLES INTERNATIONAL AIRPORT (IAD)
5. Sponsor(s), Who Paid for the Trip: Institute for Progress
6. Describe Meetings and Events Attended: multiple biosecurity lectures, labwork, CRISPR technology lecture, synthetic biology lecture indoor airquality discussion, federal regulations and the biotechnology sector dicussion, PPE lecture, wastewater testing for epidemiology
7. Attached to this form are ***each*** of the following, *signify that each item is attached by checking the corresponding box*:
   a. ☒ a completed *Sponsor Post-Travel Disclosure Form*;
   b. ☒ the *Primary Trip Sponsor Form* completed by the trip sponsor ***prior*** to the trip, ***including all*** attachments ***and*** the *Additional Sponsor Form(s)*;
   c. ☒ page 2 of the completed *Traveler Form* submitted by the employee; ***and***
   d. ☒ the letter from the Committee on Ethics approving my participation on this trip.
8. 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:** August 18, 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: David Trone **Date:** August 18, 2023

Signature of Supervising Member: _____

last updated 7/2023

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: Institute for Progress
2. Travel Destination(s): San Francisco
3. Date of Departure: 8.7.23 Date of Return: 8.10.23
4. Name(s) of Traveler(s): Hannah King, Molly Martin, Deepa Patel, and Nimit Jindal

   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	Flight: $664.75	$537.57	$144.74 (with gratuity)	BioLab (lunches included): 4,000 (total for 10 staffers)
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: Alec Stapp **Date:** 8.17.23

Name: Alec Stapp **Title:** Co-Founder

Organization: Institute for Progress

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

Address: 1140 Third Street NE, Suite 401 Washington, DC 20002

Telephone: 480-628-3863 **Email:** alec@progress.institute

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.

last updated 7/2023

U.S. House of Representatives
COMMITTEE ON ETHICS

TRAVELER FORM

This form should be completed by House Members, officers, or employees seeking Committee approval of privately-sponsored travel or reimbursement for travel under House Rule 25, clause 5. The completed form should be submitted directly to the Committee by each invited House Member, officer, or employee, together with the completed and signed trip sponsor form(s) and any attachments. A copy of this form, minus this initial page, will be made available for public inspection. **This form and any attachments may be delivered to the Committee at 1015 Longworth or e-mailed to travel.requests@mail.house.gov.**

Your completed request must be submitted to the Committee no less than 30 days before your proposed departure date. Absent exceptional circumstances, permission will not be granted for requests received less than 30 days before the trip commences. **You must receive explicit approval from the Committee before you depart on this trip.**

Name of Traveler: Deepa Patel

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

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

Signature: _____

Name of Signatory (if other than traveler): _____

For Staff (name of employing Member or Committee): Rep. David Trone

Office Address: 2404 Rayburn House Office Building Washington, D.C. 20515

Telephone Number: (202) 225-2721

Email Address of Contact Person: deepa.patel@mail.house.gov

☐ Check this box if the sponsoring entity is a media outlet, the purpose of the trip is to make a media appearance sponsored by that entity, *and* these forms are being submitted to the Committee less than 30 days before the trip departure date.

NOTE: You must complete all of the contact information fields above, as Committee staff may need to contact you if additional information is required.

KEEP A COPY OF THIS FORM. Page 2 (but not this page) must be submitted to the Clerk as part of the post-travel disclosure required by House Rule 25. Travel Regulation § 404(d) also requires you to keep a copy of all request forms and supporting paperwork for three subsequent Congresses from the date of travel.

If there are any questions regarding this form, please contact the Committee on Ethics at 202-225-7103 or via e-mail: *travel.requests@mail.house.gov.*

U.S. House of Representatives
COMMITTEE ON ETHICS

TRAVELER FORM

1. Name of Traveler: Deepa Patel

2. Sponsor(s) who will be paying or providing in-kind support for the trip:
The Institute for Progress

3. City and State OR Foreign Country of Travel : San Francisco, CA

4. a. Date of Departure: 8/7/23 Date of Return: 8/10/23
   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.**
   I serve as a Senior Policy Advisor to Rep Trone, covering Homeland Security and Health. Through lectures and hands-on lab work, this trip will help me better understand a range of issue related to my portfolio including medical countermeasures for biosecurity, CRISPR technology, synthetic biology and biosafety policies (ASPRs National Health Security Strategy, the National Biodefense Strategy, and the Executive Order on the Bioeconomy), and routine wastewater surveillance, especially for opioid prevalence which is a top concern for Rep Trone.

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 6/21/23

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 17, 2023

Ms. Deepa Patel
Office of the Honorable David J. Trone
2404 Rayburn House Office Building
Washington, DC 20515

Dear Ms. Patel:

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

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

U.S. House of Representatives
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) 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:
   Institute for Progress
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:
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):
   TBD
5. Yes ☐ No ☒ Is travel being offered to an accompanying family member of the House invitee(s)?
6. Date of departure: 8/7/23 Date of return: 8/10/23
7. a. City of departure: Washington, D.C.
   b. Destination(s): San Francisco, CA
   c. City of return: Washington, D.C.
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:

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:

    Biosecurity is an IFP policy priority, with IFP believing that policymakers perform best when they are educated about policy issues by different stakeholders and organizing a staffdel is an opportunity to connect congressional staff with key biosecurity experts.

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):

       Approx: Travel day: $55.50 Non-travel day: $74.00

    2) Provide the reason for selecting the location of the event or trip:

       Location of community biolab and other biosecurity stakeholders and experts.

16. Name, nightly cost, and reasons for selecting each hotel or other lodging facility:
    Hotel Name: Double Tree by Hilton Hotels City: San Francisco Cost Per Night: $169.00
    Reason(s) for Selecting: Met GSA per diem rates/close to airport
    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.*

U.S. House of Representatives
COMMITTEE ON ETHICS

18. **Total Expenses for each Participant:**

☐ Actual Amounts ☒ Good Faith Estimates	Total **Transportation** Expenses per Participant	Total **Lodging** Expenses per Participant	Total **Meal** Expenses per Participant
For each Member, Officer, or Employee	$700	$507	$259
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	$266.66	Use of community biolab facility
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: _____ Date: 8.17.23

Name: Alec Stapp Title: Co-Founder

Organization: Institute for Progress

Address: 1140 Third Street NE, Suite 401 Washington, DC 20002

Email: alec@progress.institute Telephone: 480-628-3863

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:

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

ethicscommittee@mail.house.gov | 202-225-7103
More information and forms available at **ethics.house.gov**

INSTITUTE FOR PROGRESS

The Institute for Progress
2023 Biosecurity Congressional Staff Delegation Trip
August 7th-10th 2023

August 7, 2023 PARTICIPANTS TRAVEL TO SAN FRANCISCO, CALIFORNIA

Attire: Travel Attire
Sessions: Medical Countermeasures and Welcome Dinner

8:25 am FLIGHT DEPARTS WASHINGTON DULLES INTERNATIONAL AIRPORT (IAD)

- Flight: UA 700
- Flight Time: 5h 34min

11:00 am FLIGHT ARRIVES SAN FRANCISCO INTERNATIONAL AIRPORT (SFO)

- Time change from departure airport: -3 hour
- Group will convene at baggage claim travel to hotel together in a shuttle

11:20 am DEPART SAN FRANCISCO INTERNATIONAL AIRPORT (SFO)

- Once entire group is at baggage claim will travel to hotel together in a shuttle
- 20 minute drive from airport to the hotel

11:40 am ARRIVE DOUBLETREE BY HILTON HOTEL SAN FRANCISCO AIRPORT

- Address: 835 Airport Blvd Burlingame, CA 94010
- Phone: +1 650-344-5500

12:30 – 1:30 pm LUNCH

1:30 – 2:00 pm TRAVEL FROM HOTEL TO STANFORD CAMPUS

- 30-40 min minute drive from hotel to campus

2:00 – 4:30 pm MEDICAL COUNTERMEASURE LECTURE

- Address: Jen-Hsun Huang Engineering Center Room 300, 475 Via Ortega 3rd Floor, Stanford, CA 94305
- Phone: (650) 497-1712
- Presenters:
  - Dr. Nikki Teran, IFP Senior Scholar
  - Dr. Jeffery Glenn, Stanford

- About: The goals of this session include emphasizing the promise of pathogen-agnostic medical countermeasures and explain in detail three promising areas of research and development, discussing the limitations of medical countermeasures in large-scale biological events and the need to also invest in non-pharmaceutical interventions, and building confidence in key medical countermeasure terms and tools.

Topics of Discussion:
- What are MCMs in the biosecurity space and what MCMs are currently stockpiled
- What are pathogen agnostic MCMs and why are they useful to stockpile
- Areas of MCM development
- Limitations of just relying on MCMs
- Strengthens of non-pharmaceutical interventions
- Ways to make SNS more resilient
- What are precursors that could be stockpiled and quickly modulated to fit different biological risks
- Three new areas of antiviral MCM development
- What are some key pathogens of pandemic concern (respiratory viruses)
- What is the current MCM landscape
- Three new areas of antiviral MCM development but with more of an emphasis on programmable antivirals

4:30 – 5:15 pm TRAVEL FROM STANFORD CAMPUS TO HOTEL

- 30-40 min minute drive

6:30 pm WELCOME DINNER AT 37 NORTH RESTAURANT AT DOUBLETREE

- Address: 835 Airport Blvd Burlingame, CA 94010
- Phone: +1 650-373-2237
- Presenters: Alec Stapp, The Institute for Progress

Topics of Discussion:
- Welcome Speech by Alec Stapp “Why Should you Care About Biosecurity”

OVERNIGHT: DOUBLETREE BY HILTON HOTEL

August 8, 2023 Burlingame, CA

Attire: Laboratory Attire (Closed toe shoes and long pants)
Sessions: Synthetic Biology and Indoor Air Quality Labs and Industry Perspective Dinner

9:00 am DEPART DOUBLETREE BY HILTON HOTEL SAN FRANCISCO AIRPORT

- Participants should plan to have eaten breakfast before departure. A breakfast buffet is included at the hotel.

9:00 – 10:30 am TRAVEL FROM HOTEL TO BIOCURIOUS

- 60-90 minute drive from hotel to Biocurious Community Lab

While on Bus:
- Short knowledge survey conducted
- Hand out session descriptions and go over programming for the day

10:30 – 1:00 pm BIOCURIOUS LABORATORY ACTIVITIES

- Address: 3108 Patrick Henry Drive, Santa Clara, 95054
- Phone: +1 408-475-2246
- Instructor: Eric Espinosa, Biocurious
- Instructor: Maria Chavez, Biocurious
- About: This activity will include an introduction to "CRISPR Technology" which is a biological tool used for genome editing.

Topics of Discussion:
- Introduction and overview of laboratory safety practices
- Instructors will overview the CRISPR lab protocol and explain the CRISPR platform, including how this technology has been used in biomedical research
- Begin CRISPR-based lab
- Instructors will give an overview of some of the work the community biolab does while waiting between experiment steps

1:00 – 2:00 pm LUNCH AT BIOCURIOUS COMMUNITY BIOLAB

- Address: 3108 Patrick Henry Drive, Santa Clara, 95054
- Phone: +1 408-475-2246

60 MINUTES FOR LUNCH

2:00 – 5:30 pm LAB ACTIVITY: CRISPR KIT AND MEASURING INDOOR AIR QUALITY

- Address: 3108 Patrick Henry Drive, Santa Clara, 95054
- Phone: +1 408-475-2246
- Instructor: Eric Espinosa, Biocurious
- Instructor: Maria Chavez, Biocurious
- About: This activity will include an introduction to indoor-air quality and how this can be used to mitigate pathogen transmission and how measuring CO_2 levels can be used as a proxy to determine indoor-air quality.

Topics of Discussion:

- Instructors will go overview the CO_2 protocol and conduct experiment and analysis
- Instructors will conclude day 1 of the CRISPR lab

5:30 – 6:00 pm TRAVEL FROM BIOCURIOUS COMMUNITY LAB TO DINNER LOCATION

- Address: 3108 Patrick Henry Drive, Santa Clara, 95054

6:00 – 7:30 pm DINNER AND DISCUSSION WITH JAMES DIGGANS AT BROADWAY GRILL

- Address: 1400 Broadway, Burlingame, CA 94010
- Phone: (650) 393-5897
- Presenter: James Diggans, Head of Biosecurity at Twist Biosciences

Topics of Discussion:

- Describe the current landscape of biotechnology and present industry's perspective on some of the challenges with increasing accessibility of biotechnology tools.
- Contextualize how congressional funds can drive the biotechnology sector and foster biosecurity industry norms.
- Describe how the biotechnology sector is engaging with specific federal legislation, executive orders, and strategies

1.5 HOURS OF DISCUSSION

7:30 - 7:45 pm TRAVEL FROM DINNER AT BROADWAY GRILL TO THE HOTEL

- A 15-minute walk from dinner to the hotel

7:45 pm END PROGRAMMING

OVERNIGHT: DOUBLETREE BY HILTON HOTEL SAN FRANCISCO AIRPORT

August 9, 2023 Burlingame, CA

Attire: Laboratory Attire (Closed toe shoes and long pants)
Sessions: Synthetic Biology, Indoor-Air Quality, PPE, and Biosafety

9:00 am DEPART DOUBLETREE BY HILTON

- Participants should plan to have eaten breakfast before departure. A breakfast buffet is included at the hotel.
- DoubleTree by Hilton, Burlingame CA

9:00 - 10:30 am TRAVEL FROM HOTEL TO BIOCURIOUS COMMUNITY BIO LAB

- 60-90 minute drive from the hotel to the community lab

10:30 - 11:00 am ARRIVE AT BIOCURIOUS COMMUNITY LAB AND REVIEW CRISPR PLATE RESULTS

- Address: 3108 Patrick Henry Drive, Santa Clara, 95054
- Phone: +1 408-475-2246

11:00 – 1:00 pm LECTURE AT BIOCURIOUS BIOLAB ON SYNTHETIC BIOLOGY AND BIOSAFETY

- Address: 3108 Patrick Henry Drive, Santa Clara, 95054
- Phone: +1 408-475-2246
- Instructor: Eric Espinosa, Biocurious
- Instructor: Maria Chavez, Biocurious
- Instructor: Dr. Rocco Casagrande, Gryphon Scientific
- About: The goals of this session are to illustrate the increasing accessibility of synthetic biology and elucidate the need for common sense biosecurity norms and oversight to mitigate accidental, engineered, and natural biological threats. This session will make concrete the need for improvements in biosafety drawing on parallels from other fields that receive federal funds for investigations of accidents and research. Additional goals include, clarifying that the goal of conducting biosafety research is to learn from biosafety lapses and mistakes not over regulate science with safety rules that are not evidence informed.

Topics of Discussion:

- Staffers will look at results from the CRISPR-based laboratory experiment, specifically engineered bacteria growth patterns.
- Following the laboratory analysis there will be a discussion that defines synthetic biology and its benefits, discusses increasing accessibility and new computational tools, the need for transparency, touches on the discussion around CRISPR, and introduces the concept of dual use research of concern.
- Other synthetic biology topics that will be discussed include pathogens of pandemic potential, enhanced potential pandemic pathogens, and modifications needed to be made to the Federal Select Agent Program given accelerations in biotechnology and synthetic biology.
- This session will:
    - Highlight a few key biosafety policies, explain that at a minimum the USG should know the number of laboratories that handle dangerous pathogens and the need for research into the causes of biosafety incidents to determine what regulations would reduce risks and inform evidence based laboratory safety protocols. Examples of federal funding for accident determination (such as aviation/transportation safety and nuclear/chem safety) will also be used.
    - Emphasize that biological risks are uncontrollable and biotechnology as a field is very open source
    - Stress that the goal is to learn from past biosafety mistakes to do better, not point the finger at researchers.
    - Emphasize that this problem has long been acknowledged by the USG, for example the need for greater biosafety measures is mentioned in ASPR's National Health Security Strategy, the National Biodefense Strategy, and the Executive Order on the Bioeconomy.

1:00 – 2:00 pm LUNCH AT BIOCURIOUS BIOLAB

- Address: 3108 Patrick Henry Drive, Santa Clara, 95054
- Phone: +1 408-475-2246

1 HOUR FOR LUNCH

2:00– 2:30 pm TRAVEL FROM BIOCURIOUS BIOLAB TO STANFORD UNIVERSITY

- 25-minute drive from Biocurious Biolab Stanford University

2:30 – 4:00 pm PPE LECTURE AT STANFORD UNIVERSITY

- Address: Lathrop Library Building (Lathrop 299) 518 Memorial Way, Stanford, CA 94305
- Presenters: Dr. Rocco Casagrande, Gryphon Scientific
- About: The goals of this session include explaining the uses of different types of PPE and the need for a resilient stockpile that can be both scaled up and deployed when needed, specifying critical workers in high-consequence biological events that should have already deployed PPE, and describing some of the trade-offs when designing PPE for different environments and disciplines. Staffers will have the opportunity to try on different types of PPE.

Topics of Discussion:

- Define personal protective equipment as a relatively threat agnostic physical barrier that protects the eyes, noise, and mouth.
- Discuss the need to have a robust stockpile of PPE especially to respond to unknown threats and describe possible modes of SNS product cycling to avoid expirations and decrease distribution time.
- Identify critical workers in a high consequence biological event and discuss the need to have already deployed PPE in order to effectively respond to known and unknown threats.
- The speaker will describe his personal experiences having to train and wear full PPE in hot environments and will ask staffers to brainstorm some of the considerations and trade-offs that pertain to what kind of PPE is best for certain environments, disciplines, and different biological events.
- Conclude with areas of PPE investment such as, the NIOSH app designed to scan a face and determine what masks might be a best match and one directional impermeable materials.

4:00 - 4:30 pm NO PROGRAMMING (BREAK)

4:30 – 6:00 pm INDOOR-AIR QUALITY LECTURE AT STANFORD UNIVERSITY

- Address: Lathrop Library Building (Lathrop 299) 518 Memorial Way, Stanford, CA 94305
- Presenter:
  - Alice Yates, American Society of Heating Refrigerating and Air-conditioning Engineers (ASHRAE)
  - Corey Metzger, American Society of Heating Refrigerating and Air-conditioning Engineers (ASHRAE)
- About: ASHRAE representatives will discuss state and federal policy and new pathogen mitigation standards as well as examples of localities that have good indoor air standards. One example they will highlight are efforts to improve IAQ in schools, which increases productivity and reduces airborne disease transmission. Examples highlighted include, the Boston public school's IAQ sensor dashboard and Cherokee County School District's IAQ sensors.

Topics of Discussion:

- Demonstrate how improvements made in indoor air quality can mitigate pathogen transmission in communal areas like daycares, schools, and offices and high consequence areas like airports, power plants, and food distribution centers through an interactive session highlighting ventilation, filtration, and sterilization tools.
- Summarize current state level and federal indoor air quality policy efforts.
- Highlight federal policy recommendations to make essential places resilient to airborne biological threats.

6:00 – 7:30 pm GROUP DINNER AT STANFORD CAMPUS

- Address: Jen-Hsun Huang Engineering Center Room 300, 475 Via Ortega 3rd Floor, Stanford, CA 94305
- Phone: (650) 497-1712
- Organizers
  - Arielle D'Souza, The Institute for Progress
  - Allison Berke, Stanford University
- About: This dinner will be co-hosted with a concurrent Stanford Biosecurity staffdel, giving staffers the opportunity to network with different Standard biosecurity experts as well as other staffers.

7:30 pm DEPART STANFORD CAMPUS AND TRAVEL TO DOUBLE TREE BY HILTON

- 25-minute drive to hotel

7:55 pm END PROGRAMMING

OVERNIGHT: DOUBLETREE BY HILTON HOTEL SAN FRANCISCO AIRPORT

August 10, 2023 Burlingame, CA

Attire: Travel Attire
Sessions: Wastewater Detection

8:30 - 9:30 pm BREAKFAST AND REVIEW OF KNOWLEDGE AND FEEDBACK SURVEY
Participants should check-out before the Wastewater session

9:30 – 10:00 am WASTEWATER LECTURE

- Participants should plan to have eaten breakfast and checked out of their hotel room before programming (luggage will be safely secured in the hotel lobby). A breakfast buffet is included at the hotel.
- Address: Sonoma Conference Room
- DoubleTree by Hilton, Burlingame
- Presenters:
  - Newsha Ghaeli, Biobot Analytics
  - Ethan Gauvin, Biobot Analytics
  - Researcher, Biobot Analytics
- About: The goals of this session include increasing understanding of how deploying wastewater sequencing across the country can be harnessed for community health and early warning at a favorable cost-benefit ratio.

Topics of Discussion:

- Introduce Biobot, touching on how the company used routine wastewater surveillance to determine opioid prevalence. Focus on Biobot's work during COVID-19 as well as wastewater applications for other health crises like Mpox, RSV, and influenza.
- Elaborate on the goals of early warning systems especially as tools of mitigation using weather forecasting as a metaphor (disease forecasting with real time information can be used to establish patterns which informs prevention efforts). Also contrast PCR capabilities now with the promise of automated metagenomic sequencing in the future.

- Discuss that a robust wastewater surveillance system across the country can improve health outcomes and help inform resource allocation. Add that routine wastewater surveillance is being implemented in other countries (EU by 2025 also help with AMR).
- Describe how wastewater surveillance can alert public health officials to new pathogens circulating in a community and gives an idea of the burden of an existing infectious disease at the community level without having to wait on individuals to get tested. Benefits touched on include protecting individual privacy and catching asymptomatic cases and trends before clinical symptoms.
- Provide examples of other applications such as aircraft testing, such as with the re-opening of China there is a risk that new variants can come to the U.S. and wastewater surveillance can identify when new variants are present in the U.S.

11:00 am DEPART DOUBLETREE BY HILTON FOR AIRPORT

- Transfer by hotel shuttle. 15-minute drive from the hotel to the airport.

1:00 pm FLIGHT DEPARTS SAN FRANCISCO INTERNATIONAL AIRPORT (SFO)

- UA 2667
- Flight time: 4h 56m

August 10, 2023 8:56 pm FLIGHT ARRIVES WASHINGTON DULLES INTERNATIONAL AIRPORT (IAD)

- Time change from departure airport: +3 hour

Blake Thelander

- Invited as a Health Policy Advisor/member's jurisdiction on E&C Health/leadership on biosecurity/biodefense issues

Deepa Patel

- Invited as a Senior Policy Advisor/member's jurisdiction on Appropriations/leadership on biosecurity/biodefense issues

Hannah King

- Invited as a Senior Legislative Assistant/member's jurisdiction on Appropriations/leadership on biosecurity/biodefense issues

Molly Martin

- Invited as a Legislative Assistant/member's jurisdiction on E&C Health/leadership on biosecurity/biodefense issues

Nimit Jindal

- Invited as a Health Policy Director/member's jurisdiction on E&C/leadership on biosecurity/biodefense issues

Andrew Doris

- Invited as National Security Fellow//member's jurisdiction on HELP/leadership on biosecurity/biodefense issues

Calli Shapiro

- Invited as Health Policy Counsel/member's jurisdiction on HELP and CST/leadership on health security issues

Katie Mertens

- Invited as Health Legislative Aide/member's jurisdiction on HELP and CST/leadership on health security issues

Andrew Smith

- Invited as a Legislative Aide/member's jurisdiction on HELP and CST/leadership on biosecurity and emerging technology issues

Andrew Murray

- Invited as Health Legislative Aide/member's jurisdiction on CST and Foreign Relations subcommittee on Africa and Global Health Policy /leadership on science and technology and health security issues

INSTITUTE FOR PROGRESS

Institute for Progress
2023 Biosecurity Congressional Staff Delegation Trip
August 7th-10th 2023

Dear Deepa Patel,

The Institute for Progress would like to formally invite you to participate in its biosecurity congressional staff delegation trip to the Bay Area from August 7th -August 10th 2023.

The IFP biosecurity staffdel will, through hands-on sessions, increase your understanding of key biosecurity policy issues. Programming will specifically focus on, the responsible use of synthetic biology and biosafety, the ways in which improvements in indoor-air quality can disrupt pathogen transmission, how congressional funds can shape the biotechnology sector, how wastewater detection can be used for early warning, the types of high-consequence PPE that should be stockpiled and deployed to critical workers, and an overview of the current and future medical countermeasure landscape.

Given the fractured congressional jurisdiction of biosecurity and biodefense issues, IFP believes a staffdel serves as a unique opportunity to bring together congressional staff from across the aisle and both chambers along with external stakeholders from the public and private sectors. Given recent developments such as the CHIPS and Sciences Act, the Executive Order on the Bioeconomy, the National Biodefense Strategy, and the upcoming reauthorization of the Pandemics and All-Hazards Preparedness Act (PAHPA), we feel that this is an opportune time to raise awareness of recent biological advancements that change both the threats landscape and the ways in which the U.S. can increase resiliency.

We look forward to your response and hope you can join us.

Sincerely,
Alec Stapp