



## 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, B-81 Cannon House Office Building, 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: Richard A O'Connell Jr
2. a. Name of Accompanying Relative: \_\_\_\_\_ **OR** None   
 b. Relationship to Traveler:  Spouse  Child  Other (specify): \_\_\_\_\_
3. a. Dates: Departure: August 26, 2019 Return: August 30, 2019  
 b. Dates at Personal Expense, if any: \_\_\_\_\_ **OR** None
4. Departure City: Washington, D.C. Destination: San Francisco, CA Return City: Washington, D.C.
5. Sponsor(s), Who Paid for the Trip: Society for Science at User Research Facilities (SSURF)
6. Describe Meetings and Events Attended: Educational tours, briefings and discussions regarding National Laboratories, research infrastructure and issues facing scientific research in the U.S.
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 *Grantmaking or Non-Grantmaking Sponsor Forms*;
  - 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: \_\_\_\_\_

OFFICE OF THE CLERK  
U.S. HOUSE OF REPRESENTATIVES

2019 SEP 16 PM 3:50

LEGISLATIVE RESOURCE CENTER

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

Signature of Traveler:  Date: September 16, 2019

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: Rep. Ken Calvert Date: September 16, 2019

Signature of Supervising Member:



## 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 on the trip within ten 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.**

- Sponsor(s) who paid for the trip: Society for Science at User Research Facilities (SSURF)
- Travel Destination(s): San Francisco Bay Area
- Date of Departure: August 26, 2019 Date of Return: August 29, 2019
- Name(s) of Traveler(s): Richard A. Oconnell Jr.

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

- 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	\$1,274.54	\$697.38	\$188.51	
Accompanying Family Member				

- 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: Jodi K. Muckelbauer Date: September 6, 2019  
 Name: Jodi Muckelbauer Title: Treasurer

Organization: Society for Science at User Research Facilities (SSURF)

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

Address: P.O. Box 4782, Wheaton, IL 60189

Telephone: 609-678-7116 Email: treasurer@ssurf.org

*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: Richard A O'Connell Jr

2. Sponsor(s) who will be paying for the trip: Society for Science at User Research Facilities (SSURF)

3. City and State OR Foreign Country of Travel: Livermore, CA; Berkeley, CA; Emeryville, CA

4. a. Date of Departure: August 26, 2019 Date of Return: ~~August 29, 2019~~ August 30, 2019

*August 30, 2019  
-RAO edit*

b. Will you be extending the trip at your personal expense?  Yes  No  
If yes, list dates at personal expense: \_\_\_\_\_

5. a. Will you be accompanied by a family member at the sponsor's expense?  Yes  No If yes:

(1) Name of Accompanying Family Member: \_\_\_\_\_

(2) Relationship to Traveler:  Spouse  Child  Other (specify): \_\_\_\_\_

(3) Accompanying Family Member is at least 18 years of age:  Yes  No

6. a. 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)?  Yes  No

b. If yes, and you are requesting lodging for two nights, explain why the second night is warranted:  
\_\_\_\_\_  
\_\_\_\_\_

7. *Primary Trip Sponsor Form* is attached, including agenda, invitee list, and any other attachments and contributing sponsor forms:  Yes  No

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.

As Senior Legislative Assistant for Rep. Calvert, I cover Energy and Water Appropriations which funds the National Laboratories. This trip will take us to visit National Labs in California.

9. Is the traveler aware of any registered federal lobbyists or foreign agents involved planning, organizing, requesting, or arranging the trip?  Yes  No

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 7-26-19



## 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: Society for Science at User Research Facilities (SSURF)
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): Please see attached.
5. Is travel being offered to an accompanying family member of the House invitee(s)?  Yes  No
6. Date of Departure: August 26, 2019 Date of Return: August 29, 2019
7. a. City of departure: Washington, DC area  
b. Destination(s): Livermore, CA | Berkeley, CA | Emeryville, CA | Menlo Park, CA  
c. City of return: Washington, DC area
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:
  - b. I checked 8(c) above but am not offering any lodging:
  - 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:  
SSURF is a not-for-profit organization that provides a consolidated voice for those interested in research conducted by users of U.S. national user facilities. The purpose of this trip is to educate House staff about federally funded user facilities. SSURF arranged all aspects of the trip with support from a travel agent and staff at the facilities.
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 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): \$85. This includes \$15 breakfast; \$25 lunch; \$45 dinner. These costs are typical catering/modest restaurant rates with table service in the locations.
- 2) Provide the reason for selecting the location of the event or trip: The Bay Area is home to 8 federally funded user facilities across 3 DOE national laboratories that are members of SSURF.
16. Name, nightly cost, and reasons for selecting each hotel or other lodging facility:
- Hotel Name: Hawthorn Suites by Wyndham City: Livermore, CA Cost Per Night: \$193 incl. tax  
Reason(s) for Selecting: Most reasonable rate available near Livermore Lab in a safe neighborhood.
- Hotel Name: Hotel Shattuck Plaza City: Berkeley, CA Cost Per Night: \$215 incl. tax  
Reason(s) for Selecting: Most reasonable rate available near Berkeley Lab in a safe neighborhood.
- Hotel Name: Comfort Inn Palo Alto City: Palo Alto, CA Cost Per Night: \$291 incl. tax  
Reason(s) for Selecting: Most reasonable rate available near SLAC National Lab in a safe neighborhood.
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 box:*



18. Total Expenses for each Participant:

<input type="checkbox"/> Actual Amounts	Total Transportation Expenses per Participant	Total Lodging Expenses per Participant	Total Meal Expenses per Participant
<input checked="" type="checkbox"/> Good Faith Estimates			
For each Member, Officer, or Employee	\$760	\$600	\$340
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	\$300	Ground transportation via taxi/van service
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 that I am not a registered federal lobbyist or foreign agent for any sponsor of this trip.

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

Signature: Ashley White Date: 7/24/19

Name: Ashley White

Title: Member, Board of Directors

Organization: Society for Science at User Research Facilities

Address: P.O. Box 4782, Wheaton, IL 60189

Telephone: 510-326-5970

Email: awhite@lbl.gov

If there are any questions regarding this form, please contact the Committee at the following address:

**Committee on Ethics**  
 U.S. House of Representatives  
 1015 Longworth House Office Building, Washington, D.C. 20515  
 Phone: 202-225-7103 General Fax: 202-225-7392

Theodore E. Deutch, Florida  
*Chairman*  
Kenny Marchant, Texas  
*Ranking Member*

Grace Meng, New York  
Susan Wild, Pennsylvania  
Dean Phillips, Minnesota  
Anthony Brown, Maryland

John Ratchliffe, Texas  
George Holding, North Carolina  
Jackie Walorski, Indiana  
Michael Guest, Mississippi



ONE HUNDRED SIXTEENTH CONGRESS

**U.S. House of Representatives**

COMMITTEE ON ETHICS

Thomas A. Rust  
*Staff Director and Chief Counsel*

David W. Arrojo  
*Counsel to the Chairman*

Christopher A. Donesa  
*Counsel to the Ranking Member*

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

August 23, 2019

Mr. Richard A. O'Connell, Jr.  
Office of the Honorable Ken Calvert  
2205 Rayburn House Office Building  
Washington, DC 20515

Dear Mr. O'Connell:

Pursuant to House Rule 25, clause 5(d)(2), the Committee on Ethics hereby approves your proposed trip to Livermore, Berkley, Emeryville, and Menlo Park, California, scheduled for August 26 to 30, 2019, sponsored by Society for Science at User Research Facilities.

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 \$390 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,

Theodore E. Deutch  
Chairman

Kenny Marchant  
Ranking Member

TED/KM:adw

**Invitation List for SSURF-sponsored Visits to National Scientific User Facilities, August 26–29, 2019**

<b>Staffer</b>	<b>Office</b>	<b>Title</b>	<b>Reason for Inviting</b>	<b>Accepted Invitation?</b>
Allison Slagell	Lucas	Legislative Director	Manages the Member's work on the HSST, which has jurisdiction over the Department of Energy's national scientific user facilities.	Yes
Richie O'Connell	Calvert	Senior Legislative Assistant	Manages the Member's work on the Energy and Water Development Subcommittee, which has funding authority over the Department of Energy's national scientific user facilities.	Yes
Bradley Solyan	Frankel	Senior Legislative Assistant	Manages the Member's work on the Energy and Water Development Subcommittee, which has funding authority over the Department of Energy's national scientific user facilities.	Yes
James Green	HSST Maj.	Professional Staff	Portfolio on the HSST includes the Department of Energy's national scientific user facilities, over which the committee has jurisdiction.	Yes
Andrew O'Neill	Pocan	Legislative Assistant	Manages the Member's work on the Energy and Water Development Subcommittee, which has funding authority over the Department of Energy's national scientific user facilities.	
Tanya Das	HSST Maj.	Professional Staff	Portfolio on the HSST includes the Department of Energy's national scientific user facilities, over which the committee has jurisdiction.	
Hillary O'Brien	HSST Min.	Professional Staff	Portfolio on the HSST includes the Department of Energy's national scientific user facilities, over which the committee has jurisdiction.	



**SSURF-Sponsored Congressional Visits to National Scientific User Facilities  
in the San Francisco Bay Area**

August 26–29, 2019

<b>Attendee Name</b>	<b>Arrival Flight Information</b>	<b>Departure Flight Information</b>
James Green	Monday, August 26 UA 2008   IAD-SFO 12:45pm-3:33pm	Thursday, August 29 UA 517   SFO-IAD 4:30pm-12:34am
Richie O'Connell	Monday, August 26 UA 2008   IAD-SFO 12:45pm-3:33pm	Thursday, August 29 UA 517   SFO-IAD 4:30pm-12:34am
Alison Slagell	Monday, August 26 UA 2008   IAD-SFO 12:45pm-3:33pm	Thursday, August 29 UA 517   SFO-IAD 4:30pm-12:34am
Bradley Solyan	Monday, August 26 UA 2008   IAD-SFO 12:45pm-3:33pm	Thursday, August 29 UA 517   SFO-IAD 4:30pm-12:34am

**Monday, August 26**

- 3:33 p.m. Arrive at SFO, Flight UA2008 from IAD
- 4:00 p.m. Depart SFO, Ground transportation to hotel
- 4:45 p.m. Check into hotel  
–Hawthorn Suites by Wyndham, 1700 N. Livermore Ave., Livermore, CA
- 6:30 p.m. Working dinner with Lawrence Livermore National Laboratory (LLNL) leadership  
LLNL Attendees: Bill Goldstein, Pat Falcone, Bruce Warner, Jeff Wisoff, Mark Herrmann, Chris Spadaccini
- 8:00 p.m. Depart dinner for hotel

**Tuesday, August 27**

- 8:15 a.m. Depart hotel for LLNL
- 8:30 a.m. Arrival and badging  
– Dustin W. Riggs, Chief of Protocol, LLNL
- 8:45 a.m. Transport to Bldg. 581, National Ignition Facility

- 9:00 a.m. LLNL welcome and overview
- Patricia K. Falcone, Deputy Director, Science and Technology, LLNL
  - Bldg. 581, NEL conference room

- 9:30 a.m. Tour of NIF
- P. Jeffrey Wisoff, Principal Associate Director, National Ignition Facility and Photon Science (NIF&PS)
  - Mark C. Herrmann, NIF Director, NIF&PS
  - Bldg. 581, NEL Lobby

Visitors will learn about NIF's contributions to the Stockpile Stewardship Program and advancement of fusion energy research and astrophysics. They will also learn about the NIF user community and the benefits the NIF program has derived from its user community.

- 10:15 a.m. Transport to Bldg. 141, Additive Manufacturing Process Laboratory

- 10:30 a.m. Additive Manufacturing Process Laboratory Tour
- Christopher M. Spadaccini, Director, Additive Manufacturing Initiatives, Engineering, LLNL
  - Matthew W. Wraith, Hydrodynamic Design and Test Group Leader, Defense Technologies Engineering Division, LLNL
  - Bldg. 141, Rm. 1145

- 11:00 a.m. Transport to Bldg. 453, High Performance Computing

- 11:30 a.m. Working lunch
- Mark C. Herrmann, NIF Director, NIF&PS
  - Bldg. 453, Pleasanton Rm. 2003

Discussion of the integration of computational and experimental capabilities focused on NIF's role in validating computer codes and use of computational capabilities to prepare and design experiments on NIF.

- 12:30 p.m. High Performance Computing Tour
- Teresa M. Quinn, Deputy Associate Director, HPC, Computation, LLNL
  - Bldg. 453, Second floor

- 12:45 p.m. Transport to badge office

- 1:00 p.m. Depart LLNL for Lawrence Berkeley National Laboratory

- 2:00 p.m. Arrive to Berkeley Lab, Walk to the Director's Conference Room, 50A-4133.

- 2:15 p.m. Welcome and Overview of Berkeley Lab
- Mike Witherell, Laboratory Director
  - Director's Conference Room, 50A-4133
  -

Founded in 1931, Lawrence Berkeley National Laboratory is the birthplace of team science. This talk will provide an overview of Berkeley Lab's history with a focus on key achievements. It will also present a look forward, with an emphasis on Berkeley Lab's groundbreaking fundamental science that enables transformational solutions for scientific, energy and technological challenges facing the country.

- 2:45 p.m. Transfer to the Advanced Light Source (ALS)

- 2:55 p.m. Tour of the ALS
- Steve Kevan, Director ALS

The ALS is a DOE Office of Science National User Facility that specializes in producing extremely bright x-ray light for examining the atomic and electronic structure of materials. The facility attracts thousands of researchers (users) from universities, national labs, and companies around the world who lack the advanced scientific tools the ALS offers. Learn about how ALS capabilities support basic scientific research and technology development. You will have an opportunity to visit specific beamlines to learn how scientists are using the facility to conduct fundamental and applied research into batteries, combustion science, agriculture, health and next generation computer chips.

Transport to dinner

- 3:55 p.m. Transfer to Shyh Wang Hall, Computational Research and Theory Building. Walk to Conference Room 59-4101.

- 4:05 p.m. How Computing Sciences at Berkeley Lab Facilitates Research at User Facilities
- Conference Room 59-4104

- 4:35 p.m. Tour of the National Energy Research Scientific Computing Center (NERSC) and Energy Sciences Network (ESnet)
- David Skinner, Strategic Partnerships Lead, NERSC

Learn about two DOE National User Facilities managed by Berkeley Lab: the National Energy Research Scientific Computing Center (NERSC), one of the world's leading supercomputing centers for open science; and the DOE's Energy Sciences Network, or ESnet, the fastest network dedicated to science, connecting tens of thousands of scientists as they collaborate on

solving some of the world's biggest scientific challenges

- 5:05 p.m. Depart Berkeley Lab to Hotel in a Berkeley Lab Shuttle Van
- 5:30 p.m. Check into hotel  
–Hotel Shattuck Plaza, 2086 Allston Way, Berkeley, CA
- 6:00 p.m. Walk to dinner
- 6:20 p.m. Working dinner with industrial users of DOE national scientific user facilities from LLNL, SLAC, and LBNL
- 8:00 p.m. Depart dinner for hotel

### **Wednesday, August 28**

- 8:30 a.m. Depart hotel to the Molecular Foundry. Walk to Chemla Conference Room, 67-3111. AM Refreshments will be available.
- 9:00 a.m. Lightning Talks on Key Results from User Facilities at Berkeley Lab
  - Chemla Conference Room, 67-3111
- 10:00 a.m. Tour of the Molecular Foundry
  - Branden Brough, Deputy Director, Molecular Foundry
  - Laurie Chong, Sr. Communications and Outreach Specialist

The Molecular Foundry is a DOE Office of Science National User Facility for nanoscale science that serves hundreds of academic, industrial, and government scientists around the world each year. At the Foundry you will learn how DOE's investment in nanoscience is opening new frontiers in energy, materials science, and biology. See state-of-the-art, often one-of-a-kind, instrumentation only found at DOE labs, and learn about new nanomaterials that are being developed to support stronger, longer lasting and more sustainable materials for industry. A demonstration of the world's highest resolution electron microscope could be included in this tour.

- 11:00 a.m. Transfer to B77
- 11:10 a.m. Tour of the Berkeley Lab Laser Accelerator (BELLA)
  - Thomas Schenkel, Interim Division Director, Accelerator Technology & Applied Physics
- 11:50 a.m. Transfer to Shyh Wang Hall

- 12:00 p.m. Working lunch and discussion with early career scientists who use national user facilities  
- Room 59-3049
- 1:00 p.m. Transfer to the Integrative Genomics Building (IGB)
- 1:10 p.m. Overview of the Joint Genome Institute (JGI)
- 1:20 p.m. Tour of the IGB  
- Nigel Mouncey, Division Director, JGI
- 1:45 p.m. Depart Berkeley Lab and transfer to Emery Station East, 5885 Hollis, Emeryville
- 2:10 pm Arrive to Emery Station East. Walk to 4<sup>th</sup> Floor Conference Room
- 2:15 p.m. Overview Biosciences at Berkeley Lab (JBEI)  
- Mary Maxon, Associate Laboratory Director for Biosciences Area  
- 4<sup>th</sup> Floor Conference Room
- 2:30 p.m. Tour of JBEI  
- Mary Maxon
- Scientists at DOE's JBEI are using the latest tools and methods in biology, chemical engineering, and computational and robotic technologies to address the scientific bottlenecks in the transformation of biomass into advanced, next-generation biofuels. You will tour JBEI's labs and see the process of how plants become fuel.
- 3:00 p.m. Tour of the Advanced Biofuels and Bioproducts Processing Development Unit (ABPDU)  
- Deepti Tanjore, Interim Program Head, ABPDU
- You will tour ABPDU, which enables early stage advanced biofuels, biomaterials, and biochemicals technologies to successfully scale up from the lab to the marketplace.
- 3:25 p.m. Depart Emery Station East to hotel in South Bay
- 5:00 p.m. Check into hotel. Dinner on own.  
-Comfort Inn Palo Alto, 3945 El Camino Real, Palo Alto, CA

**Thursday/ August 29**

8:30 a.m. Check out of hotel and transport to SLAC National Laboratory (SLAC)

9:00 a.m. SLAC welcome and overview  
- Chi-Chang Kao, SLAC Director

10:00 a.m. Transport to SLAC Linear Accelerator

10:05 a.m. Tour of SLAC Linear Accelerator  
- Alan Fry, Division Director, Laser Science and Technology

Visitors will see the Klystron Gallery, a 2-mile building that sits above the linear accelerator. It houses 284 klystrons which power the accelerator, pushing electrons 99.999999% the speed of light down the tunnel to feed the Linac Coherent Light Source (LCLS).

10:30 a.m. Transport to LCLS

10:35 a.m. Tour of LCLS and update on LCLS-II progress  
- Mike Dunne, Associate Laboratory Director, LCLS  
- Alan Fry  
- Norbert Holtkamp, SLAC Deputy Director

LCLS is the world's first hard x-ray free-electron laser that takes snapshots of atoms and molecules at work, revealing fundamental processes in materials, technology and living things. These snapshots can be strung together into movies that show chemical reactions as they happen. An upgrade currently underway will add a second x-ray laser beam 10,000 times brighter, capable of firing up to a million pulses per second.

11:45 a.m. Transport to lunch

12:00 p.m. Working lunch  
- Chi-Chang Kao  
- Mike Dunne  
- Paul McIntyre, Associate Laboratory Director, SSRL

Science with impact: showcase and discussion of recent research highlights related to SLAC user facilities

1:15 p.m. Transport to Stanford Synchrotron Radiation Lightsource (SSRL)

- 1:30 p.m.      Tour of SSRL
- Paul McIntyre
  - Simon Bare, Distinguished Scientist
  - Johanna Nelson Weker, Staff Scientist

SSRL is a pioneering synchrotron radiation facility that provides extremely bright x-rays that scientists use for a wide range of research that probes matter on the scales of atoms and molecules. Studies target advances in energy science, human health, environmental cleanup, nanotechnology, novel materials and information technology.

- 2:30 p.m.      Depart SLAC for SFO airport
- 4:30 p.m.      Depart SFO, Flight UA517 to IAD