Artificial Intelligence and Open Data Innovation for Health
with TOP Health Showcase

Purpose: Showcase outcomes from a 14-week "TOP Health" tech sprint with industry teams delivering digital tools — built with Federal data and emerging technologies like AI — to improve clinical trials, experimental therapies, and data-driven solutions for complex challenges from cancer to Lyme disease.

AGENDA

Thursday, February 28, 2019

9:00 AM – 9:30 AM networking and light refreshments on the 4th floor, outside the Indian Treaty Room

American Innovation and Emerging Technologies for Health	
9:30 AM	**Welcome and Introduction** Suzette Kent, Federal Chief Information Officer, Office of Management and Budget, Executive Office of the President
9:40 AM	**Leadership and U.S. Priorities in Emerging Technologies** Sara Brenner, Senior Policy Advisor, White House Office of Science and Technology Policy
Unlocking Federal Data to Fuel American Innovation	
9:50 AM	**Health Data and Patient-Centered Innovation** Ed Simcox, Chief Technology Officer (CTO) and Acting Chief Information Officer, U.S. Department of Health and Human Services (HHS)
10:00 AM	**"Data's Choice": Making Federal Data Useful to Industry** Gil Alterovitz, Presidential Innovation Fellow (PIF)

10:05 AM	**Federal "Bright Spots" and Data-Driven Collaborations**
	Emceed by Kristen Honey, Innovator in Residence, Office of the CTO, HHS
	
	• **U.S. Department of Veterans Affairs**
	    Charles Worthington, Chief Technology Officer
	    Nhan Do, Associate Center Director for Biomedical Informatics, Massachusetts Veterans Epidemiology Research and Information Center
	
	• **U.S. Department of Energy**
	    Thomas Cubbage, Deputy Undersecretary for Science
	    Georgia Tourassi, Director, Health Data Sciences Institute, Oak Ridge National Laboratory
	
	• **National Cancer Institute (NCI)**
	    Gisele Sarosy, Associate Director for Informatics and Biomarkers, Coordinating Center for Clinical Trials, Office of the Director, NCI/National Institutes of Health
	
	• **U.S. Patent and Trademark Office (USPTO)**
	    Andrei Iancu, Under Secretary of Commerce for Intellectual Property and Director of the USPTO
	    Jesse Frumkin, Assistant Data Scientist and Patent Examiner, Office of the CTO

10:40 AM	**Break**

	Empowering Patients with the Right to Try, Artificial Intelligence (AI), and Open Data
11:00 AM	**Journey Mapping the "TOP Health" Tech Sprint** Davar Ardalan, Deputy Director, PIF Program
	TOP Health Challenge #1: Building an AI Ecosystem with Data Utility and Choice
11:05 AM	**"AI's Choice": Incentivizing Results to be Usable and Reproducible** Gil Alterovitz, PIF
11:10 AM	**Patient Perspective on the Future of Experimental Therapeutics** Stephen Aldrich, Right-to-Try Patient Advocate
11:15 AM	**AI Ecosystem Lightning Talks: Industry Data Use for Real-World Impact** Emceed by the PIF Program and HHS Office of the CTO • **Microsoft Clinical Trials Matching Bot by Microsoft Healthcare** Hadas Bitran, Head of Microsoft Healthcare, Israel • **Flatiron Trials by Flatiron Health** Neal Meropol, Vice President of Research Oncology • **Trial Explorer by Philips Research** David Shoultz, Head of Government Affairs , Philips North America • **A.CCESS.io by Rush Medical / AheadIntoFun Inc.** (spun out of Rush Medical) Shafiq Rab, Chief Information Officer • **Oracle TOP Health Team by Oracle Public Sector and Oracle Healthcare** Rebecca Laborde, Global Healthcare and Precision Medicine Strategist, Oracle • **iConnect by TrialX** Sharib Khan, Chief Executive Officer
	TOP Health Challenge #2: Data-Driven Innovation for "Wicked Problems" [*] like Tick-Borne Diseases
11:50 AM	**What Lyme Controversies? Together, Transforming Anecdotes into Data and Action** Kristen Honey, Innovator in Residence, Office of the CTO, HHS
12:00 PM	**Lyme Lightning Talks: Data, Innovation, and the Power of the Crowd for Evidence-Based Insights** Emceed by the PIF Program and HHS Office of the CTO **Lightning Talks: Open Science and Open Minds Fuel Innovation and K-12 STEM** • **Lyme Tracker App by TrialX and Global Lyme Alliance (GLA)** Holly Wainwright, Director of Marketing, GLA • **TickTracker App by LivLyme Foundation** Olivia Goodreau, 14-year old inventor and Founder, LivLyme Foundation • **TickTickBOOM! Game by LivLyme Foundation** Jack and Will Goodreau, 11-year-old twins and gamification innovators Jeff Stauffer, Chief Data Officer, LivLyme Foundation
12:15 PM	**Closing Remarks with Invitation to the TOP Health Showcase** Joshua Di Frances, Executive Director, PIF Program

Through 1:00 PM, visit the TOP Health Demo Day Showcase and networking on the 4th floor, outside Indian Treaty Room

---

[*] "**Wicked problem**" is a phrase originally used in social planning to describe a problem that is extremely challenging or intractable because of incomplete, contradictory, and changing requirements that are often difficult to recognize. The term "wicked" is used to denote complexity and resistance to resolution, rather than evil. Due to complex interdependencies, the effort to solve one aspect of a wicked problem requires multiple methods from diverse disciplines and may reveal or create other problems. Definition adapted from Wikipedia (http://en.wikipedia.org/wiki/Wicked_problem).