EXPS:SOME MOONSHOT

Monday, May 12 3:00-5:00 PM

5:00-8:00 PM

Registration Welcoming Reception and Opening Ceremony Thomas Hartung, Johns Hopkins University, United States Fenna Sillé, Johns Hopkins University, United States Nicole Kleinstreuer, NIH, United States 1st Floor 8th Floor/9th Floor

Tuesday, May 13 8:00-8:30 AM	Registration, Networking, Coffee	1 st Floor
 8:30-9:00 AM	 Welcome and Charge to Participants: Why We Are Here Gary Miller, Columbia University, United States Denis Sarigiannis, National Hellenic Research Foundation, Greece Roel Vermeulen, Utrecht and University Medical Center Utrecht, Th	
 9:00-9:15 AM	 Keynote: The Need for a Human Exposome Project Introduction by Michelle Bennett, <i>LMBennett Consulting, United St</i> Speaker: Rick Woychik, <i>NIH, United States</i>	 Virtual / Theater, 158 tates
 9:15-10:00 AM	From the Lab to the Law: Moving the Human Exposome Project into the MODERATOR: Thomas Hartung, Johns Hopkins University, United States PANELISTS: **Sir Jeremy Farrar, World Health Organization (WHO), Switzerland **Rémi Quirion, Fonds de Recherche du Québec (FRQ), Internation Government Science Advice (INGSA), Canada **Peggy Oti-Boateng, African Academy of Sciences, Ghana **Ana Persic, UNESCO, France	Virtual / Theater, 158
10:00-10:30 AM	Introduction to the Proposed Framework and Pillars: Shaping the Huma PANELISTS: Chirag Patel, <i>Harvard University, United States</i> Fenna Sillé, Johns Hopkins University, United States	an Exposome Project Virtual / Theater, 158
 10:30-11:00 AM All times are in Eastern ** Indicates Virtual Mod		1 st Floor

11:00-11:45 AM	Enabling Technologies for Advancing Exposomics MODERATORS:	Virtual / Theater, 158
	Rima Habre, <i>University of Southern California, United States</i> Emilie Calabre, <i>MEERSENS, France</i>	
	PANELISTS: Krystal Pollitt, Yale School of Public Health, United States	
	**Benjamin Barratt, <i>Imperial College London, United Kingdom</i> Geetha Senthil, <i>NCATS, United Stat</i> es	
	Este Geraghty, Esri, United States	
 11:45 AM-12:30 PM	 Psychosocial, Ethical, and Societal Implications and Impact MODERATORS:	 Virtual / Theater, 158
	Jeanette Stingone, Columbia University, United States	
	George Gkoutos, University of Birmingham, United Kingdom PANELISTS:	
	Agis Tsouros, World Health Organization Europe, Greece	
	**Jinkook Lee, University of Southern California, United States	
	Caspar Safarlou, The Netherlands	
	Jeanette Stingone, Columbia University, United States	
	George Gkoutos, University of Birmingham, United Kingdom	
12:30-1:30 PM	Lunch (Provided)	8 th Floor
 1:30-2:15 PM	 The Exposome, Big Data, and Artificial Intelligence	 Virtual / Theater, 158
	MODERATORS:	
	Chirag Patel, Harvard University, United States	
	Ashwini Davison, <i>Amazon Web Services (AWS), United States</i>	
	PANELISTS: Marc Chadeau, Imperial College London, United Kingdom	
	**Prashant Shah, Intel Corporation, United States	
	**Tim Althoff, University of Washington, United States	
	Michael Skinnider, Princeton University, United States	
	**John Wambaugh, EPA, United States	
	Venkatesh Murthy, University of Michigan, United States	
	**Nicole Kleinstreuer, <i>NIH, United States</i>	
2:15-3:00 PM	Road to Success: Learning from Other Major Bold Initiatives MODERATORS:	Virtual / Theater, 158
	Craig E. Wheelock, Karolinska Institute, Sweden	
	Robert Wright, <i>Icahn School of Medicine at Mount Sinai, United Sta</i> PANELISTS:	ites
	Human Genome Project: Thomas Metz, Pacific Northwest Nationa	l Laboratory, United States
	**European Cancer Network (JANE-2): Delia Nicoară, Institutul On	
	Romania	
 3:00-3:05 PM	 Instructions for Breakout Session 1	 Theater, 158
 3:05-3:30 PM	 Afternoon Break	
3:30-4:15 PM	Breakout Session 1: Shaping the Human Exposome Project	022
A CONTRACTOR	Proposed framework and pillars: Comments, suggestions, concerr MODERATORS:	ns 822
dilles of	Fenna Sillé, Johns Hopkins University, United States	
and the	Chirag Patel, Harvard University, United States	And A A
	Maximizing partnerships with academia, government, industry, and	d others 426

All times are in Eastern Time (EST) ** Indicates Virtual Moderators and Panelists

	MODERATORS:	
	Roel Vermeulen, Utrecht and University Medical Center Utrecht, The Netherla Manish Arora, Icahn School of Medicine at Mount Sinai, United States	ands
	Identifying the key principles for ensuring transdisciplinary and convergent approx	aches
		428/430
	MODERATORS:	
	Arcot Rajasekar, University of North Carolina at Chapel Hill, United States Jessica Ryman, American Chemistry Council, United States	
	Capturing the lessons learned from previous initiatives that must be applied MODERATORS:	820
	Geetha Senthil, NCATS, United States	
	Serena Kern-Libera, Linkgevity, United Kingdom	
4:15-4:30 PM	Return to Theater	
 4:30-5:15 PM	 Lightning Session: Biobanking Efforts and Resources Supporting Exposomics Researc Virtual / 1	 ch Fheater, 158
	MODERATORS:	
	Susan Teitelbaum, Icahn School of Medicine at Mount Sinai, United States	
	Poornima Prabhakaran, Ashoka University, Centre for Chronic Disease Control, In PANELISTS:	dia
	EHEN: Roel Vermeulen, Utrecht and University Medical Center Utrecht, The Nethe ExposomeHealthNet: Denis Sarigiannis, National Hellenic Research Foundation, All of US: Tara Dutka, NIH, United States	
	Japan Cohorts: Yu Ait Bamai, Center for Environmental and Health Sciences (CEF Hokkaido University, Japan	1S),
	Indian Cohorts: Poornima Prabhakaran, Ashoka University, Centre for Chronic Dis Control, India	sease
	**Global Biobank: Alicia Martin, <i>Massachusetts General Hospital and the Broad I.</i> United States	nstitute,
	Jana Klánová, RECETOX, Czech Republic	
 5:15-5:30 PM	Preparation for tomorrow and closing for today Virtual / 1	 Theater, 158
3.13-3.301 11	Fenna Sillé, Johns Hopkins University, United States	
	Thomas Hartung, Johns Hopkins University, United States	
Wednesday, May 14		

8:00-8:30 AM	Breakfast 1 st Floor
 8:30-9:00 AM	 Welcome and Reflections from Day 1 Anne Thessen, University of North Carolina Chapel Hill, United States Robert Barouki, Inserm-public health, France Robert Wright, Icahn School of Medicine at Mount Sinai, United States Gurdane Bhutani, MBX Capital, United States
9:00-10:15 AM	Global Coordination and Collaboration: Research Infrastructures as Models Virtual / Theater, 158 MODERATORS:
	Roel Vermeulen, Utrecht and University Medical Center Utrecht, The Netherlands
	Robert Barouki, Inserm-public health, France
	PANELISTS:
	EIRENE: Jana Klánová, RECETOX, Czech Republic
13	IHEN: Roel Vermeulen, Utrecht and University Medical Center Utrecht, The Netherlands NEXUS: Gary Miller, Columbia University, United States

	UK Biobank: Austin Argentieri, Massachusetts General Hospital & Broad Institute, States	, United
	Japan: Mihye Lee, <i>Japan</i>	
	South Africa: Zodwa Dlamini, <i>University of Pretoria, South Africa</i>	
	GECC: Sara Adar, University of Michigan School of Public Health, United States	
	ExpoHealthNet: Denis Sarigiannis, National Hellenic Research Foundation, Greek	ce
	**India: Kalpana Balakrishnan, WHO Collaborating Center for Occupational and Environmental Heath, Sri Ramachandra Institute of Higher Education and Researd	ch
	(SRIHER), India	
10:15-10:30 AM	Instructions for Breakout Sessions: Identifying Needs, Requirements, and Proposed S	Solutions for
		Theater, 158
	Fenna Sillé, Johns Hopkins University, United States	
	Michelle Bennett, LMBennett Consulting, United States	
10:30-11:00 AM	Morning Break	
11:00 AM-12:15 PM	Breakout Session 2: Needs	
	What outcomes, outputs, and accomplishments will contribute to characterizing the	Human
	Exposome?	
	Enabling Technologies for Advancing Exposomics	820
	MODERATORS:	
	Rima Habre, University of Southern California, United States	
	Emilie Calabre, <i>MEERSENS, France</i>	400/400
	The Exposome, Big Data, and Artificial Intelligence MODERATORS:	428/430
	Chirag Patel, Harvard University, United States	
	Areejit Samal, <i>India</i>	
	Psychosocial, Ethical, and Societal Implications and Impact	822
	MODERATORS:	
	Jeanette Stingone, Columbia University, United States	
	George Gkoutos, Centre for Environmental Research and Justice (CERJ), Univ	ersity of
	Birmingham, United Kingdom	
	Global Coordination and Collaboration: Research Infrastructures as Models	426
	MODERATORS:	anda
	Roel Vermeulen, Utrecht and University Medical Center Utrecht, The Netherla Benedikt Warth, University of Vienna, Exposome Austria, Research Infrastruc	
	National EIRENE Node, Austria	uie anu
12:15-1:15 PM	Lunch (Provided)	
1:15-2:30 PM	Breakout Session 3: Milestones and Solutions	
	Identify the inputs, actions, steps that will be required.	
	Enabling Technologies for Advancing Exposomics	820
	MODERATORS:	
	Rima Habre, University of Southern California, United States	
	Emilie Calabre, <i>MEERSENS, France</i> The Exposome, Big Data, and Artificial Intelligence	428/430
	MODERATORS:	420/400
	Chirag Patel, Harvard University, United States	
	Areejit Samal, India	
and the second second	Psychosocial, Ethical, and Societal Implications and Impact	822
1 And the second	MODERATORS:	
That I	Jeanette Stingone, Columbia University, United States	
2.2	George Gkoutos, Centre for Environmental Research and Justice (CERJ), Univ	rersity of
	Birmingham, United Kingdom	

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	Global Coordination and Collaboration: Research Infrastructures as Models MODERATORS:	426
	Roel Vermeulen, Utrecht and University Medical Center Utrecht, The Net Benedikt Warth, University of Vienna, Exposome Austria, Research Infras National EIRENE Node, Austria	
2:30-2:45 PM 	Afternoon Break	
2:45-3:45 PM	Breakout Session 4: Major Goals and their Milestones	
	Enabling Technologies for Advancing Exposomics MODERATORS: Rima Habre, <i>University of Southern California, United Stat</i> es	820
	Emilie Calabre, <i>MEERSENS, France</i>	
	The Exposome, Big Data, and Artificial Intelligence MODERATORS:	428/430
	Chirag Patel, Harvard University, United States	
	Areejit Samal, The Institute of Mathematical Sciences (IMSc), India	
	Psychosocial, Ethical, and Societal Implications and Impact MODERATORS:	822
	Jeanette Stingone, Columbia University, United States	
	George Gkoutos, Centre for Environmental Research and Justice (CERJ),	University of
	Birmingham, United Kingdom	400
	Global Coordination and Collaboration: Research Infrastructures as Models MODERATORS:	426
	Roel Vermeulen, Utrecht and University Medical Center Utrecht, The Net	
	Benedikt Warth, University of Vienna, Exposome Austria, Research Infras National EIRENE Node, Austria	tructure and
3:45-4:00 PM 	Return to Theater	
4:00-5:00 PM	MODERATORS:	ual / Theater, 158
	Jana Klánová, RECETOX, Czech Republic Fenna Sillé, Johns Hopkins University, United States	
 5:00-5:15 PM	Preparation for tomorrow and closing for today Virtu	 131 / Theater, 158
3.00-3.13 FM	Geetha Senthil, <i>NCATS, United States</i> TBD	at / Theater, 130
Thursday, May 15		
8:45-9:15 AM		ual / Theater, 158
	Peng Gao, Harvard T.H. Chan School of Public Health, United States Myriam Mrad, University of Balamand, Health and Environment Response Ag Lebanon	ency (HERA),
	Cavin Ward-Caviness, EPA, United States Beate Escher, Helmholtz Centre for Environmental Research (UFZ), German and Adolescent Health (DZKJ), Germany	Center for Child
9:15-10:00 AM	Partnering for Success Virtu MODERATORS:	ıal / Theater, 158
AS A	Anil Bajnath, George Washington University, United States David Balshaw, NIH, United States PANELISTS:	X
	Tina Woods, Collider Health and International Institute of Longevity, United K	ingdom
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	**Arjon Van Hengel, European Commission, Belgium Manish Arora, Linus Biotechnology, United States Courtney Silverthorn, FNIH, United States **David Furman, Stanford School of Medicine, Buck Institute for Rese States Geoff Still, Pediatric Brain Tumor Foundation, United States	earch on Aging, United
 10:00-10:30 AM	 Morning Break	
10:30-11:30 AM	Assembling the Roadmap for the Human Exposome Project MODERATOR: Michelle Bennett, <i>LMBennett Consulting, United States</i> Part 1: Overall synthesis from the meeting Gary Miller, <i>Columbia University, United States</i> Roel Vermeulen, <i>Utrecht and University Medical Center Utrecht, T</i> Part 2: Operationalizing commitment into the future Thomas Hartung, <i>Johns Hopkins University, United States</i> Nicole Kleinstreuer, <i>NIH, United States</i>	 Virtual / Theater, 158 The Netherlands
 11:30 AM-12:00 PM	 Declaration Ceremony: Commitment to Global Collaboration, Innovation,	, and Inclusion Virtual / Theater, 158
 12:00-1:00 PM	 Press Conference, Interviews, Networking	

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