

Synthetic Biology Roundtable #2 - Science
Board on Army Research and Development (BOARD)

Agenda

July 28, 2021 – Day 1

1100 – 1130 ET	Welcome and Introductions, Roundtable Goals
0800 – 0830 PT	<i>Sarah Juckett, Program Officer, BOARD</i> <i>Dr. Ed Perkins, U.S. Army Corps of Engineers</i> <i>COL Robert von Tersch, U.S. Army ASA(ALT) staff</i>
1130 – 1230 ET	Setting the Stage
0830 – 0930 PT	<i>Dr. Richard Murray, California Institute of Technology</i> <i>Q&A Moderator: Dr. Diane DiEuliis, National Defense University</i>
1230 – 1245 ET	Break
0930 – 0945 PT	
1245 – 1345 ET	Repurposing CRISPR for Human Biology
0945 – 1045 PT	<i>Dr. Luke Gilbert, University of California San Francisco</i> <i>Q&A Moderator: Dr. Maria Napoli, University of California Santa Barbara</i>
1345 – 1415 ET	Long Break (Lunch)
1045 – 1115 PT	
1415 – 1515 ET	Next-Generation Synthetic Biology Advances for Microbiome Interrogation and Programming
1115 – 1215 PT	<i>Dr. Harris Wang, Columbia University</i> <i>Q&A Moderator: COL Robert Carter III, Ph.D., Medical Sciences and Technology Portfolio, U.S. Army</i>

July 29, 2021 – Day 2

1030 – 1100 ET	(SynBio Committee & Staff) Committee Convene & Zoom Prep
0730 – 0800 PT	
1100 – 1115 ET	Welcome and Recap, Future Roundtable Overview
0800 – 0815 PT	<i>Sarah Juckett, Program Officer, BOARD</i>
1115 – 1245 ET	Food Security and Agriculture (Panel)
0815 – 0945 PT	<i>Dr. Neal Stewart, University of Tennessee</i> <i>Dr. Scott Lenaghan, University of Tennessee</i> <i>Q&A Moderator: Dr. Joan Bienvenue, Oak Ridge Institute</i>
1245 – 1300 ET	Break
0945 – 1000 PT	

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1300 – 1400 ET	Engineering Self-Powering & Sustainable Systems for the U.S. Defense Department and the U.S. Bioeconomy
1000 – 1100 PT	<i>Dr. June Medford, Colorado State University</i> Q&A Moderator: <i>Dr. Bryn Adams, OUSD (R&E)</i>
1400 – 1430 ET	Long Break (Lunch)
1100 – 1130 PT	
1430 – 1530 ET	Biologically Engineered High Surface Area Carbon Nanomaterials for Protection of War Fighters Against Chemical and Biological Threats
1130 – 1230 PT	<i>Dr. Angie Belcher, Massachusetts Institute of Technology</i> Q&A Moderator: <i>Dr. Renee Wegrzyn, Ginkgo Bioworks</i>
1530 – 1545 ET	Closing Remarks
1230 – 1245 PT	<i>Dr. Joan Bienvenue & Dr. Christina Murata, co-chairs</i>
1545 – 1615 ET	Committee Recap
1245 – 1315 PT	<i>Committee and Staff</i>