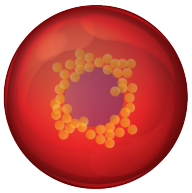
PROGRAM FOR VIRTUAL SYMPOSIUM

INTERNATIONAL CONFERENCE ON ENGINEERING SYNTHETIC CELLS AND ORGANELLES

SYNCELL2020



Day 1: Tuesday, May 26, 2020

MODERATOR: Susan Atlas, University of New Mexico

Time	Title	Instructor
8:00am – 8:30am (MDT) 4:00pm – 4:30pm (CET)	Welcome and Introduction to Virtual Syncell2020 Symposium	Gabriel López Joachim Spatz
8:30am – 9:15am (MDT) 4:30pm – 5:15pm (CET)	**TUTORIAL:** Understanding and controlling the morphological complexity of biomembranes	Reinhard Lipowsky
9:15am – 10:00am (MDT) 5:15pm – 6:00pm (CET)	**TUTORIAL:** Unspecific interactions in or of cell-like compartments: theory & experiments	Karin Jacobs
10:00am – 10:20am (MDT) 6:00pm – 6:20pm (CET)	**PROGRAM HIGHLIGHT:** Max Planck Matter-to-Life School	Michael Grunze
10:30am – 11:10am (MDT) 6:30pm – 7:10pm (CET)	**KEYNOTE:** Bottom-up assembly of a cell	Joachim Spatz

Day 2: Wednesday, May 27, 2020

MODERATOR: Ilia Platzman, Max Planck Institute for Medical Research

Time	Title	Speaker
8:00am – 8:10am (MDT) 4:00pm – 4:10pm (CET)	Welcome	Gabriel López
8:10am – 8:55am (MDT) 4:10pm – 4:55pm (CET)	**TUTORIAL:** Development and application of DNA in nanoscale robotics	Darko Stefanovic
8:55am – 9:40am (MDT) 4:55pm – 5:40pm (CET)	**TUTORIAL:** Methods to visualize 3D dynamics	Jim Werner
9:45am – 10:05am (MDT) 5:45pm – 6:05pm (CET)	**PROGRAM HIGHLIGHT:** BaSyC	Marileen Dogterom
10:10am – 11:00am (MDT) 6:10pm – 7:00pm (CET)	**KEYNOTE:** Building a functional cytoskeleton in synthetic cells	Marileen Dogterom

Day 3: Thursday, May 28, 2020

MODERATOR: Andrew Ellington, University of Texas - Austin

Time	Title	Speaker
8:00am – 8:10am (MDT) 4:00pm – 4:10pm (CET)	Welcome	Gabriel López
8:10am – 8:50am (MDT) 4:10pm – 4:50pm (CET)	**KEYNOTE:** Upwelling – Challenges arising from the bottom of Earth's life well	Drew Endy
8:55am – 9:40am (MDT) 4:55pm – 5:40pm (CET)	**TUTORIAL:** Synthetic building blocks to grow functional tissues	Laura De Laporte
9:40am – 10:25am (MDT) 5:40pm – 6:25pm (CET)	**TUTORIAL:** Liquid/liquid phase separation of intrinsically disordered proteins	Nick Carroll
10:25am – 10:45am (MDT) 6:25pm – 6:45pm (CET)	**PROGRAM HIGHLIGHT:** Build-a-Cell	Kate Adamala
10:50am – 11:20am (MDT) 6:50pm – 7:20pm (CET)	**PANEL DISCUSSION:** Future synthetic cell technologies for mitigation of viral pandemics	Andrew Ellington Kate Adamala Eberhard Bodenschatz Michael Grunze
11:20am – 11:30am (MDT)	**Final Remarks / Next Steps**	Gabriel López

MDT – Mountain Daylight Time CET – Central European Time

This symposium was made possible by Max Planck School of Matter to Life and The University of New Mexico

SPEAKERS – SynCell2020 Virtual Symposium

SPEAKER NAME	AFFILIATION
Kate Adamala	University of Minnesota
Eberhard Bodenschatz	Max Planck Institute for Dynamics and Self-Organization
Nick Carroll	University of New Mexico
Laura De Laporte	Leibniz Institute for Interactive Materials, Aachen
Marileen Dogterom	Delft University of Technology
Andrew Ellington	University of Texas - Austin
Drew Endy	Stanford University
Michael Grunze	Max Planck School of Matter to Life
Karin Jacobs	University of Saarbrucken
Reinhard Lipowsky	Max Planck Institute of Colloids and Interfaces
Gabriel Lopez	University of New Mexico
Joachim Spatz	Max Planck Institute for Medical Research
Darko Stefanovic	University of New Mexico
Jim Werner	Los Alamos National Laboratory