

Transitions in Life: Origins to Translation

First Annual Meeting of the NSF RCN for Exploration of Life's Origins

Tentative Agenda

Monday, October 29, 2018

8:15		Hotel Shuttle departs hotel to Santa Fe Institute
8:30 - 9:00		Arrival and Breakfast (30min)
9:00 - 9:25		Welcome to SFI and RCN Introduction Chris Kempes, David Krakauer, Amy Chen (25min)
9:25 - 10:05		The Multiple origins of life in complex time David Krakauer (<i>Santa Fe Institute</i>) (40min)
10:05 - 10:45		Abstract models of life as applied to origins and transitions Sara Walker (<i>Arizona State University</i>) (40min)
10:45 - 11:00		Break (15min)
11:00 - 11:20	<u>Mini review</u>	RNA World (20min)
11:20 - 11:40	<u>Mini review</u>	Macromolecules (20min)
11:40 - 12:20		The Origins and Essential Nature of Biopolymers Loren Williams (<i>Georgia Tech</i>) (40min)
12:20 - 13:30		Lunch (70min)
13:30 - 13:50	<u>Mini review</u>	Evolutionary Theory (20min)
13:50 - 14:30		Replaying the tape: would the major transitions happen again? Lynn Rothschild (<i>NASA Ames Research Center</i>) (40min)
14:30 - 15:45		Breakout 1 (75min)
15:00		<i>Tea Available</i>
15:45 - 17:00		Large Group Discussion (75min)

17:15 Hotel Santa Fe Shuttle departs SFI back to hotel

18:30-21:00 **Workshop Dinner** Location TBD

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8:15 Hotel Shuttle departs hotel to Santa Fe Institute

8:30 - 9:00 Arrival and Breakfast (30min)

9:00 - 9:40 *Title TBD*
Nicolle Zellner (*Albion College*)
(40min)

9:40 - 10:00 Mini review **Thermodynamics** (20min)

10:00 - 10:15 Break (15min)

10:15 - 10:55 *E pluribus unum: Out of many different transitions, an origin of life*
Eric Smith (*Earth-Life Science Institute*)
(40min)

10:55 - 11:35 Life in serpentinites: modern → primordial → ?
Alexis Templeton (*University of Colorado Boulder*)
(40min)

11:35 - 12:15 Extrapolating from general theories of modern life to the origins of life
Chris Kempes (*Santa Fe Institute*)
(40min)

12:15 - 13:30 Lunch (75min)

13:30 - 13:50 Origins of Life Community Coordination
(20min)

13:50 - 14:10 RCN Efforts – MOOC, Proceedings Volume
(20min)

14:10 - 15:40 **Breakout 2** (90min)
15:00 *Tea Available*

15:40 - 17:00 **Large Group Discussion** (80min)

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