

**Seven Pines XV—Origins of Life
May 18–22, 2011**

Program & Participants

Thursday

Morning: **History.**

- (a) Iris Fry (Technion–Israel Institute of Technology) [fryiris@gmail.com]
- (b) Antonio Lazcano (UNAM, Mexico City) [alar@ciencias.unam.mx]

Afternoon: **Initial steps I—exo/astrobiology**

- (a) Lynn Rothschild (NASA) [lynn.j.rothschild@nasa.gov]
- (b) James F. Kasting (Penn State) [kasting@essc.psu.edu]

Friday

Morning: **Initial steps II—evolution of early life**

- (a) George E. Fox (Houston) [fox@uh.edu]
- (b) Sergei N. Rodin (City of Hope, CA) [SRodin@coh.org]

Afternoon: **Initial steps III—RNA**

Andrew Ellington (University of Texas at Austin) [andy.ellington@mail.utexas.edu]

Saturday

Morning: **Complexity**

- (a) Information approach: Remi Monasson (CNRS, Paris/IAS, Princeton)
[monasson@ias.edu]
- (b) Biology approach: Michael Travisano (EEB, Minnesota) [travisano@tc.umn.edu]

Afternoon: **Synthetic biology (minimal requirements)**

- (a) Yiannis N. Kaznessis (Chemical Engineering, Minnesota) [yiannis@umn.edu]
- (b) Igor Libourel (Plant Biology, Minnesota) [libourel@umn.edu]

Sunday

Morning: Wrap up session

Discussants

Mark Borrello (History of Biology, Minnesota) [borrello@umn.edu]

James R. Griesemer (Philosophy, UC Davis) [jrgriesemer@ucdavis.edu]

Alan Love (Philosophy of Biology, Minnesota) [aclove@umn.edu]

Vincent Noireaux (Physics, Minnesota) [noireaux@umn.edu]

Will Ratcliff (EEB, Minnesota) [ratcl009@umn.edu]

Jos Uffink (Foundations of Physics, Utrecht) [J.B.M.Uffink@phys.uu.nl]

C. Kenneth Waters (Philosophy of Biology, Minnesota) [ckwaters@umn.edu]

Board members:

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