

Tuesday, April 25, 2017  
**ORIGIN AND EVOLUTION OF LIFE: THEORY/FUNDAMENTAL QUESTIONS:  
 LAWS OF LIFE II**  
 4:15 p.m. Arizona Ballroom E-G

**Chair:** **Stuart Bartlett**  
**Sara Walker**  
**Douglas Vakoch**

- 4:15 p.m. Spitzer J. \*  
[\*Schrödinger and the Facts of Biology\*](#) [#3018]  
 Schrödinger's 'laws of life' may not exist. Life chemically evolved on rotating Earth by diurnal solar radiation and tidal cycles of hydration and dehydration.
- 4:30 p.m. Mix L. J. \*  
[\*Darwin Life: A Discrete Population Genetics Life Category\*](#) [#3014]  
 A population genetic definition of life incorporates the formalisms of the Hardy-Weinberg equation into a concept of life as replicators ("Darwin Life").
- 4:45 p.m. Persson E. \* Abbott J.  
[\*A Family Resemblance Definition of Life\*](#) [#3169]  
 We propose a new way of defining life in the form of a family resemblance definition that does not presuppose an essentialistic theory of life.
- 5:00 p.m. Smith K. C. \*  
[\*Is There No Scientific Essence of "Life"?\*](#) [#3116]  
 It is possible to capture the primary scientific meaning of "life," which I argue lies in the ability to create adaptive complexity.
- 5:15 p.m. Adams A. M. \* Walker S. I.  
[\*Understanding Real-World Open-Ended Systems: A League of Legends Adventure\*](#) [#3644]  
 League of Legends is an online open-ended game that can provide crucial insights on how living systems operate and distinguish themselves from non-living systems.
- 5:30 p.m. Peters T. \*  
[\*Where There's Life There's Intelligence: Replacing ETI \(Extraterrestrial Intelligent Life\) with ETT \(Extraterrestrial Technological Life\)\*](#) [#3054]  
 If all life can be dubbed intelligent, then what SETI and METI are searching for is not ETI but rather ETT, extraterrestrial technically advanced life.