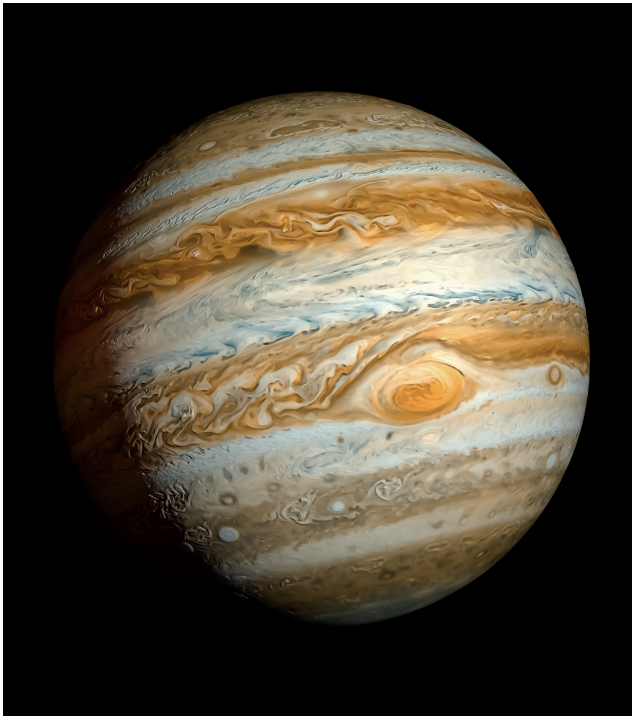


Why is the origin of life essential for astrobiology?

Professor Sara Imari Walker



What makes worlds with life different?



$P(\text{Life})?$



Observations

—
Detect alien life
and determine its
abundance



Theory/Experiment

—
Uncover universal
“laws of life”

$P(\text{Life})$



A RATE OF ABIOGENESIS in a prebiotic environment as a function of its physical and chemical conditions.

“Base metals can be transmuted into gold by stars, and by intelligent beings who understand the processes that power stars, and by nothing else in the universe”

-David Deutsch
University of Oxford
“The Beginning of Infinity”

