

ORIGINS FEDERATION CONFERENCE

LIST OF SPEAKERS

Ben Colville

University of Chicago

Insights into RNA copying from deep sequencing

Benjamin Tutolo

University of Calgary

Ion association, elemental fluxes, and the hypothesized origin of life at seafloor hydrothermal vents

Carol Cleland

University of Colorado, Boulder

Strategies for Searching for life-as-we-don't-know-it

Claudia Bonfio

University of Cambridge

Shaping early life: primitive cells, primitive compartments

David Catling

University of Washington

Field, lab & model support for the hypothesis of soda lakes as environments for the origin of life

Didier Queloz

University of Cambridge-ETH Zurich

The exoplanet revolution

Elettra Piacentino

Harvard University

VUV induced photodegradation of small aromatic ices

Emily Parke

University of Auckland

What is life, and who cares? A middle ground view

Fred Ciesla

Harvard University

Investigating Jupiter's Role in Shaping Planetary Building Blocks

Jack Szostak

University of Chicago

A Primordial Genetic Alphabet?

Jayne Birkby

Oxford University

A High Spectral Resolution Search for Life in the Universe

John Sutherland

MRC Laboratory of Molecular

Biology, Cambridge

Origins of the RNA-Protein World – Lost in Translation?

Judit Szulagyi

ETH Zurich

How frequent are habitable worlds in the Universe?

Laurie Barge

NASA Jet Propulsion Laboratory

Impacts of Environmental Parameters on Prebiotic Reactions in Hydrothermal Systems

Loic Pellissier

ETH Zurich

Toward models of planetary system with life

Matt Powner

University College London

Prebiotic Chemistry 101: A chemist's perspective on the origins of life's biopolymers

Nadja Drabon

Harvard University

Hadean zircon from South Africa: Insights into Early Earth Surface Environments

Nathan Mayne

University of Exeter

Abiotic and Biotic Modelling of Exoplanetary Climates

Paul Falkowski

Rutgers University

The Origin of Metabolism: The Power Supply of Life

Robin Wordsworth

Harvard University

Snowball Earth, life, and long-term climate stability

Saidul Islam

King's College London

Peculiar structures': prebiotic synthesis of organic cofactors

Sara Russell

NHM London

NASA's OSIRIS-REx mission and the evolution of the volatile-rich asteroid Bennu

Sean McMahon

University of Edinburgh

Fossil microbes and their impostors on Earth and Mars

Sonia Sultan

Wesleyan University

The Organism-Environment Relationship as a Feature of Life

Steven Vance

Planetary Science, Jet Propulsion Laboratory, California Institute of Technology

Investigating the Habitability of the Solar System's Ocean Worlds

Tim Lichtenberg

University of Groningen

Molten exoplanets as redox probes of Hadean-analogue environments

Zoe Todd

University of Wisconsin-Madison

Prebiotic chemistry in planetary environments