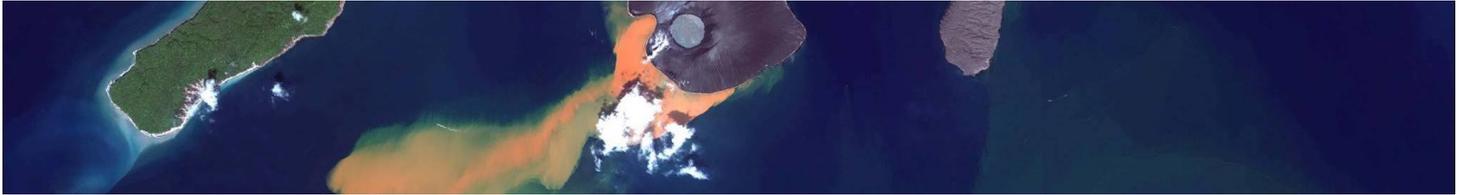


Leverhulme Centre for Life in the Universe Science Day – The Diamond, Selwyn College, March 10th



(12:00-12:05) Dr Emily Mitchell – Opening remarks

Session 1: Chemical, geological, and philosophical perspectives on the origins of life

(12:05) **Keynote 1:** Dr. Jianfeng Xu – Prebiotic Photochemical Coproduction of Ribo- and Deoxyribonucleosides

(12:35) Samuel Roberts – Sequence Specific RNA aminoacylation

(12:50) Jonny Itcovitz – Reduced atmospheres of post-impact worlds: Hiding reducing power in the planet core

(1:05) Philipp Spillmann – Should astrobiologists be worried that they are limited to a single instance of life?

(1:20-2:30) *Lunch break*

Session 2: Life as we know it

(2:30) Nile Stephenson – Ediacaran Community Development Suggests a Stochastic Influence on the Evolution of Animals

(2:45) Abhishek Upadhyay – The origin of biological clocks and timers - from fungi, plants to animals. A signature of life.

(3:00) Ruairidh Macleod – Applications of Palaeogenomic Approaches for Understanding Known and Unknown Life

(3:15) **Keynote 2:** Dr Sasha Turchyn – Fertilisation of terrestrial life by extraterrestrial matter

Session 3: The curious case of Venus

(3:45) Skyla White – The anomalous depletion of OCS in the Venusian atmosphere: A sulfur allotrope approach

(4:00) Sean Jordan – Distinguishing an exo-Venus from an exo-Earth

(4:15) Tereza Constantinou – Was Venus ever Habitable?

(4:30) *Posters and coffee break*

Session 4: Looking and thinking beyond our Solar System

(5:10) Francesco Zagaria – Dust properties from multi-wavelength ALMA observations: single sources and disc demographics

(5:25) Claire Guimond – A minimum variability of rocky planet oxygen fugacities, and some planetary consequences

(5:40) Callum Fairbairn – Linear theory for wake morphology of eccentric planet-disc interactions

(5:55) *Closing remarks*

(6:00) *Drinks reception and posters*

