

IPLU Science Day 7 February 2022

<u>Start</u>	<u>End</u>	<u>Title</u>
09:00	10:00	Registration + morning coffee
MORNING SESSION		
Chair: Annelies Mortier		
10:00	10:05	Welcome
10:05	10:35	Review talk Matteo Brogi Tapping into the complexity of exoplanet atmospheres
10:35	10:42	Alexander Archibald Beyond-Earth System Modelling.
10:42	10:57	Ziwei Liu Prebiotic photoredox synthesis from carbon dioxide and sulfite
11:00	11:15	Amy Tuson A Search for Longer-Period Exoplanets with TESS and CHEOPS
11:15	11:22	Jessica Rigley Comet fragmentation as a source of zodiacal dust
11:22	11:37	Nick Tosca Marine phosphate availability and the chemical origins of life on Earth
11:37	11:45	Poster pitches Chiara Eleonora Scardoni, Jonathan Itcovitz, Andy Buchan, Andrew Sellek
11:45	13:15	Lunch + poster viewing

<u>Start</u>	<u>End</u>		<u>Title</u>
AFTERNOON SESSION 1			
Chair: Paul Rimmer			
13:15	13:45	Review talk Arik Kershenbaum	Evolution by natural selection and the implications for predicting the nature of life in the universe
13:45	14:00	Auriol Rae	Impact Craters as a Planetary Habitat
14:00	14:07	Adam Langeveld	A high-resolution survey of sodium absorption in transiting exoplanets
14:07	14:22	Craig Walton	The shocked meteorite record: a Rosetta stone for Solar System dynamical history?
14:22	14:29	Zhao Guo	Mitigating Stellar Noise: Modeling Stellar Oscillations and Granulation in Radial Velocity Time Series

14:29 15:15 Coffee + poster viewing

AFTERNOON SESSION 2

Chair: Mathias Nowak

15:15	15:30	Helen Williams	Can stable isotopes trace missing magma oceans?
15:30	15:45	Francesco Zagaria	What dust sizes tell us about planet-forming disc evolution
15:45	15:52	Marc Brouwers	Planet formation by core accretion
15:52	16:08	Claire Guimond	Could dynamic topography avert a waterworld?
16:08	16:23	Steven Young	Planetesimal Belts in Wide Binaries: the Eccentric Kozai Mechanism as a Possible Origin of Transiting Exocomets
16:23	16:38	Josh Lovell	Exoplanet architectures from resolved exo-planetesimal belt observations
16:38	18:30	Drinks reception + poster viewing	