

OIST x iTHEMS workshop series
- Will We Find Answers? Exploring the Mysteries of the Universe and Life -
series 1 | Cosmic ray and Life project |

PROGRAM - Day 1

9:00	45min + Q&A	Shigehiro Nagataki	Deputy Program Director, RIKEN iTHEMS	Opening Address & "Supernovae as Origins of Cosmic Rays and Life"
10:00	30min + Q&A	Keiko Kono	Assistant Professor, OIST	How do our cells age?
10:45				Coffee Break
11:15	30min + Q&A	Ryosuke Iritani	Senior Research Scientist, RIKEN	"Invasion condition" of organisms into novel environments: theoretical formulation and approximation
12:00	30min + Q&A	Evan Economo	Professor, OIST	Radiation, mutation, and diversification in our cosmic neighborhood
12:45				Lunch Break
14:00	45min + Q&A	Jonathan Dorfan	President Emeritus, OIST	Is OIST a Suitable Location to Measure If Cosmic Rays Induce Biological Changes in Cells?
15:00				Coffee Break
15:20	30min + Q&A	Georgii Karelin	PhD student, OIST	Perturbations of Habitable Zones
16:05				Free Discussion & Coffee Break
Networking dinner				
18:00	2:00			Please proceed to the Lab 5 level D Atrium if you have registered to attend the networking dinner.

PROGRAM - Day 2

9:00	45min + Q&A	Norio Narita	Professor, U.Tokyo	Introduction of Exoplanetary Science and the Necessity for Interdisciplinary Collaborations
10:00	30min + Q&A	David Armitage	Assistant Professor, OIST	New approaches for predicting plant distributional shifts under global change
10:45				Coffee Break
11:15	45min + Q&A	Jeffrey Fawcett	Senior Research Scientist, RIKEN	How to infer evolutionary history from molecular data
12:15				Lunch Break
14:00	45min + Q&A	Kyosuke Adachi	Senior Research Scientist, RIKEN	Statistical physics approach to biological collective phenomena
15:00	30min + Q&A	Florian Pflug	Postdoctoral Scholar, OIST	The dynamics of genome replication
15:45				Free Discussion & Coffee Break

PROGRAM - Day 3

9:00	30min + Q&A	Ulf Dieckman	Professor, OIST	Adaptive dynamics theory as a versatile tool for linking ecological, evolutionary, and environmental dynamics
9:45	45min + Q&A	Gen Kurosawa	Senior Research Scientist, RIKEN	Evolution and our biological time
10:45				Coffee Break
11:15	30min + Q&A	Haytham Mohamed	Postdoctoral Scholar, OIST	CCR4-NOT Complex Regulation of Gene Expression and its Role in Animal Physiology
12:00	30min + Q&A	Shingo Gibo	Senior Research Scientist, RIKEN	Theoretical analysis of hibernation
12:45				Lunch Break
14:00	45min + Q&A	Naomi Tsuji	Senior Research Scientist, RIKEN	Where and how are cosmic rays produced?
15:00	30min + Q&A	Camilia Demidem	Senior Research Scientist, RIKEN	Cosmic Ray Theory (TBD)
15:45				Free Discussion & Coffee Break



Abstracts



Post-event Survey