

Life on Earth and Beyond

Scientific programme

Sunday, May 29, 2022	
16:00 - 18:30	Registration of participants
19:00 - 22:00	Dinner
Monday, May 30, 2022	
08:00 - 09:00	Registration
09:00 - 09:15	Introduction and logistics <i>Wolf Geppert, Stockholm University, Sweden</i>
09:15 - 10:00	Early scientific definitions of Life <i>Stéphane Tirard, University of Nantes, France</i>
10:00 - 10:15	Discussion
10:15 - 10:45	Coffee break
10:45 - 11:30	Philosophical challenges in defining life <i>Erik Persson, Lund University, Sweden</i>
11:30 - 11:45	Discussion
11:45 - 12:00	Break
12:00 - 12:45	Historical development of ideas about the origin of life <i>Anna Tunlid, Lund University, Sweden</i>
12:45 - 13:00	Discussion
13:00 - 14:15	Lunch
14:15 - 15:00	Formation of complex molecules in space and planetary atmospheres <i>Wolf Geppert, Stockholm University, Sweden</i>
15:00 - 15:15	Discussion
15:15 - 15:45	Coffee break
15:45 - 16:30	Detecting complex molecules in space <i>Jes Jørgensen, University of Copenhagen, Denmark</i>
16:30 - 16:45	Discussion
16:45 - 17:00	Break
17:00 - 17:45	Bridging non-living matter and living matter: Chemical evolution <i>Thomas Carell, LMU Munich, Germany</i>
17:45 - 18:00	Discussion
18:15 - 19:30	Dinner
19:30	Open discussion: “Is current biology up to the challenge of defining life?” “What is the origin of the chemical building blocks of life and where are they formed?” <i>Chair: David Dunér, Lund University, Sweden</i>
20:15	Poster session
Tuesday, May 31, 2022	
09:00 - 09:45	The Tree of Life: introduction to an evolutionary debate <i>Sophie Abby, Université Grenoble-Alpes, France</i>
09:45 - 10:00	Discussion

10:00 - 10:30	Coffee break
10:30 - 11:15	On the origins of new biological functions <i>Sophie Abby, Université Grenoble-Alpes, France</i>
11:15 - 11:30	Discussion
11:30 - 11:45	Break
11:45 - 12:30	Evolutionary genetics of sex differences <i>Jessica Abbott, Lund University, Sweden</i>
12:30 - 12:45	Discussion
12:45 - 14:00	Lunch
14:00 - 18:30	Cycle tour or walk around the island with visit to the Tycho Brahe Museum Coffee break at the museum café
18:30 - 20:00	Dinner
20:00	Evening discussion: Which scenarios for the origin of life is most likely and can science give the final answers about the origin of Life? “What does “origin” mean in the expression “origin of life?” <i>Chair: Wolf Geppert, Stockholm University, Sweden</i>
Wednesday, June 1, 2022	
09:00 - 09:45	Ideas of life outside Earth over time <i>David Dunér, Lund University, Sweden</i>
09:45 - 10:00	Discussion
10:00 - 10:30	Coffee break
10:30 - 11:15	The search for extraterrestrial life in the twentieth century <i>Gustav Holmberg, Göteborg University, Sweden</i>
11:15 - 11:30	Discussion
11:30 - 11:45	Break
11:45 - 12:30	Criteria for habitability of planets and satellites <i>Dainis Dravins, Lund University, Sweden</i>
12:30 - 12:45	Discussion
12:45 - 14:00	Lunch
14:00 - 14:45	Ethical considerations regarding the search for life (planet contamination etc.) <i>Erik Persson, Lund University, Sweden</i>
14:45 - 15:00	Discussion
15:00 - 15:15	Break
15:15 - 16:00	Interstellar communication and society <i>Douglas Vakoch, METI International, USA</i>
16:00 - 16:45	Ethical questions concerning space settlement <i>Kelly Smith, Clemson University, USA</i>
16:45 - 17:00	Discussion
17:00 - 17:30	Coffee break
17:30	Open discussion: Should humankind search for life and, if yes, under which conditions? Should humans settle on other celestial bodies? <i>Chair: Erik Persson, Lund University, Sweden</i>
19:00	Farewell Dinner
Thursday, June 2, 2022	
08:30	Transfer to Landskrona railway station and Copenhagen Airport For visitors of the conference in Höör: Excursion to Stevns Klint, Transfer to Höör

