

Origins 2021 conference

Weds, Jan 27, 2021

Thu, Jan 28, 2021

9 00-05	Floris van der Tak / Inge Loes ten Kate
05-10	
Session 1: The origin of habitable planets and life	
10-15	Ewine van Dishoeck - Our origins in interstellar space
15-20	
20-25	
25-30	
30-35	discussion (10 min)
35-40	
40-45	Alessandro Morbidelli - A discussion on the properties that make the Earth the habitable planet we know
45-50	
50-55	
55-00	
10 00-05	discussion (10 min)
05-10	
10-15	coffee (10 min)
15-20	
20-25	Tim Lichtenberg - The earliest atmospheres of rocky planets from magma ocean outgassing
25-30	
30-35	
35-40	discussion (5 min)
40-45	
45-50	Eloi Camprubí-Casas - Metal sulphides as primitive energy coupling systems on the early Earth and beyond
50-55	
55-00	
11 00-05	discussion (10 min)
05-10	
10-15	Emmanuelle Javaux - The earliest traces of the three domains of life: evidence and challenges
15-20	
20-25	
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30-35	
35-40	discussion (10 min)
40-45	
45-50	Dennis Höning - A combination of land plants and marine organisms stabilises Earth's climate
50-55	
55-00	
12 00-05	discussion (10 min)
05-10	
10-15	lunch (25 min)
15-20	
20-25	
25-30	
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35-40	
40-45	poster session 1
45-50	
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55-00	
13 00-05	
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05-10	
Session 3: Predicting the evolution of life	
10-15	Nobuto Takeuchi - Universal biology and the generalised central dogma
15-20	
20-25	
25-30	
30-35	discussion (10 min)
35-40	
40-45	Thomas Blankers – Predicting genetic adaptation
45-50	
50-55	
55-00	discussion (10 min)
10 00-05	
05-10	coffee (10 min)
10-15	
15-20	Thijs Ettema - The archaeal origin of eukaryotes
20-25	
25-30	
30-35	
35-40	
40-45	discussion (10 min)
45-50	
50-55	Karen Bisschop – Predictability of phenotypic evolution: an experimental evolution approach
55-00	
11 00-05	
05-10	discussion (10 min)
10-15	
15-20	Erik van Nimwegen - Quantitative laws in genome evolution
20-25	
25-30	
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35-40	
40-45	discussion (10 min)
45-50	
50-55	lunch (30 min)
55-00	
12 00-05	
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25-30	poster session 2
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Session 2: Life as an emergent phenomenon	
40-45	Ricard Solé - The morphospace of replicators: constraints and universals
45-50	
50-55	
55-00	
14 00-05	
05-10	discussion (10 min)
10-15	Omer Markovitch - Synthetic chemical replicators are revealed to operate at a fidelity close to that of RNA-catalysed RNA polymerisation
15-20	
20-25	
25-30	
30-35	discussion (10 min)
35-40	Enrico Sandro Colizzi - Sticking together or staying apart? Evolution of multicellularity and unicellularity from collective behaviour
40-45	
45-50	
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55-00	
15 00-05	discussion (10 min)
05-10	Renske Vroomans - Differentiated multicellularity: evolution and development
10-15	
15-20	
20-25	discussion (10 min)
25-30	coffee (10 min)
30-35	
35-40	
40-45	Natalie Grefenstette- Detecting evolution in polymer populations
45-50	
50-55	
55-00	discussion (5 min)
16 00-05	Monique de Jager - All for one and one for all: Collective cooperation in self-organized mussel beds results in labyrinth-like patterns
05-10	
10-15	
15-20	discussion (5 min)
20-25	Paul Rainy - An ecological journey along the road from randomness
25-30	
30-35	
35-40	
40-45	
45-50	discussion (10 min)
50-55	end of scientific programme
55-00	
17 00-05	speed dating (3 x 10 min)
05-10	
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25-30	
17 30	end

Session 4: Finding extraterrestrial life	
40-45	Ignas Snellen - Exoplanets and the search for extraterrestrial life
45-50	
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55-00	
14 00-05	
05-10	discussion (10 min)
10-15	Aditya Chopra - Remote Sensing of Earth as an Inhabited Exoplanet
15-20	
20-25	
25-30	
30-35	discussion (5 min)
35-40	Dirk Schulze-Makuch - Prospects of Alien Life on other Planetary Bodies
40-45	
45-50	
50-55	
55-00	
15 00-05	discussion (10 min)
05-10	coffee (10 min)
10-15	
15-20	
20-25	Session 5: Building and steering life
25-30	
30-35	Marileen Dogterom – Building a synthetic cytoskeleton
35-40	
40-45	
45-50	discussion (10 min)
50-55	Shraddha Shitut - Cell wall deficient bacteria: a versatile system to study the evolution of complexity
55-00	
16 00-05	
05-10	discussion (10 min)
10-15	Nick Lane - How does chemistry come alive?
15-20	
20-25	
25-30	
30-35	
35-40	discussion (10 min)
40-45	
45-50	
50-55	end of scientific programme
55-00	
17 00-05	Virtual drinks / Informal discussions
05-10	
10-15	
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17 30	end