



PROGRAM

TUESDAY 9

11:45 – 12:00	OPENING
12:00 – 13:00	Introductory Talk
13:00 – 14:30	LUNCH
14:30 – 14:55	Talk: J. Borge (Coexisting patterns in n-dimensional ecosystems)
14:55 – 15:20	Talk: D. Gomila (Pattern formation in Posidonia Oceanica meadows)
15:20 – 15:45	Talk: F. Cao (Spatial scales of population synchrony: effects of competition, predation and harvesting)
15:45 – 16:15	COFFEE BREAK
16:15 – 16:40	Talk: E. Hernández-García (Modeling the connectivity of marine populations by Lagrangian flow networks)
16:40 – 17:05	Talk: G. Bunin (Models of ecological communities: genericity and collective phenomena)
17:05 – 17:30	Talk: J. Fernández (Inferring social relations from presence data. Manta Rays case study)

WEDNESDAY 10

9:00 – 9:50	<i>Keynote talk:</i> Jens Krause
09:50 – 10:15	Talk: M. Lukovic (Sub-diffusive behaviour of benthic copepods – evidence for active counter-current swimming and drift avoidance in advective media)
10:15 – 10:40	Talk: F. Peters (Small-scale physical-ecological interactions in the ocean: The case of turbulence and plankton)
10:40 – 11:30	COFFEE & POSTERS

11:30 – 12:20	<i>Keynote talk:</i> Andreas Huth
12:20 – 12:45	Talk: J. Alòs (How ecology shapes optimal collective searching behaviour in uninformed human foragers)
12:45 – 13:10	Talk: G.M. Palamara (A stochastic age-structured population model to quantify sublethal effects of pesticides on <i>Daphnia</i> clonal populations)
13:15 – 14:30	LUNCH
14:30 – 15:20	<i>Keynote talk:</i> Gonzalo Polavieja
15:20 – 15:45	Talk: G. Madirolas (Predicting the outcome of chemotaxis without behavioral details)
15:45 – 16:10	Talk: E. Colombo (Species mixing determines predators' optimal perception range and coexistence times in predator-prey dynamics)
16:10 – 16:35	Talk: J. Lukas ('La Olá' waves of the sulphur molly: integration of multiple predator cues in an extreme environment)
16:35 – 17:00	Talk: A. Campos (A mechanistic framework linking behaviour with dynamic energy budgets to test personality-dependent movement behaviour)
17:30– 21:30	SOCIAL EVENT & DINNER

THURSDAY 11

9:00 – 9:50	<i>Keynote talk:</i> Mercedes Pascual
09:50 – 10:15	Talk: A. Dobson (Joining the Dots – Using Generalized Consumer Resource Model to understand the dynamics of two large terrestrial ecosystems: Serengeti and Yellowstone)
10:15 – 10:40	Talk: V. Baulin / M. Werner (Machine learning methods in ecology: a new field for physicists)
10:40 – 11:05	Talk: J.A. Capitán (Coexistence of many species in large ecosystems: The problem of the random zoo)
11:05 – 11:35	COFFEE BREAK & POSTERS
11:35 – 13:15	FINAL DEBATE: PHYSICS & ECOLOGY
13:15 – 13:30	CONCLUDING REMARKS