



iMarCo2017

3rd International Marine Connectivity Conference

September 11-13, 2017, Louvain-la-Neuve, Belgium

Programme

Monday 11 September 2017

14:00-14:15 **Opening Remarks**

14:15-15:00 Rob Toonen

Invited talk: Multispecies connectivity - predicting and protecting genetic diversity of coral reef assemblages in the face of human impacts and climate change

15:00-15:15 Anna Maria Addamo

Modeling coral reefs dispersal and connectivity in semi-closed marine areas: a seascape genomics perspective

15:15-15:30 Léo Barbut

Impact of wind farms on flatfish connectivity in the North Sea

15:30-15:45 Maria Beger

Connectivity in spatial conservation prioritisation

15:45-16:00 Alexis Bioy

Roles of isolation and adaptive introgression in the genetic structuring of deep-sea hydrothermal vent annelids

16:00-16:30 **Coffee break**

16:30-16:45 Joana Boavida

Understanding the connectivity of deep-sea corals in the Atlantic and the Mediterranean Sea - from microsatellites to genome scans

16:45-17:00 Audrey Darnaude

Tell me where you come from and I'll tell you what you'll become: rare insights on the importance of carry-over effects for population fitness gathered from a sequential hermaphrodite fish in the Mediterranean

17:00-17:15 Sophie Delerue-Ricard

Integrated tracers-using genomics, otolith shape and microchemistry to measure sole connectivity at the regional and North-East Atlantic scales

17:15-17:30 Maud Duranton

How introgression signal can shed light on population genetic connectivity

17:30-19:30 **Posters + beers**

Tuesday 12 September 2017

9:00-9:45	Olivier Le Pape	<i>Invited talk:</i> Life-cycle connectivity of an exploited marine fish: implications on (sub)population dynamics and management impacts
9:45-10:00	Cécile Fauvelot	Considering reefscape configuration and composition in biophysical models advance seascape genetics
10:00-10:15	Alan D. Fox	An efficient connectivity-based method for the optimal selection of marine protected networks
10:15-10:30	Sara M. Francisco	Disentangling biological variables affecting population structure and genetic connectivity
10:30-10:45	Charles Frys	High-resolution marine connectivity modelling in the Florida Coral Reef Tract
10:45-11:00	Katell Guizien	High resolution flow simulations can reveal retention spots important for biodiversity conservation
11:00-11:30	Coffee Break	
11:30-12:15	Claire Paris	<i>Invited talk:</i> Connectivity Networks: Lagrangian Observations and Modeling of Marine Larvae
12:15-12:30	Filip Huyghe	High self-recruitment and larval export from a marine protected area in a coral reef fish
12:30-12:45	Taha Imzilen	Can we use drifting Fish Aggregating Devices to assess marine connectivity?
12:45-13:00	Bror Jonsson	Surface ocean connectivity times and phytoplankton biodiversity
13:00-14:00	Lunch break	

14:00-14:45	Cynthia Riginos	<i>Invited talk:</i> The Diversity in the Indo-Pacific Network (DIPnet): a framework for collaborative spatial genetic studies
14:45-15:00	Marc Kochzius	Molecular Biogeography of the Indo-West Pacific
15:00-15:15	Geneviève Lacroix	Do man-made structures impact the connectivity patterns of hard substrate species in the North Sea?
15:15-15:30	Sylvie Lapègue	Genomic patterns of differentiation in native and introduced populations of the cupped oysters <i>Crassostrea gigas</i> and <i>Crassostrea angulata</i> and in hybrid progenies
15:30-15:45	Hannah Millar	Predicting changes to Scottish Nature Conservation MPA connectivity due to tidal energy device arrays and climate change
15:45-16:00	Paolo Momigliano	Rapid speciation and unobserved diversity in Baltic European flounders (<i>Platichthys flesus</i>) and their importance to fishery management
16:00-16:30	Coffee break	
16:30-16:45	Leslie Noble	Population structure, effective population size and relatedness in the critically endangered flapper skate (<i>Dipturus cf. intermedia</i>); implications for conservation management
16:45-17:00	Barbara Porro	Genetic diversity of the symbiont as a driver of the holobiont differentiation in the temperate sea-anemone <i>Anemonia viridis</i> ?
17:00-17:15	Henrique Queiroga	Spatial-temporal variability in connectivity patterns between Marine Protected Areas in an upwelling system
17:15-17:30	Florentine Riquet	The interaction between reproductive isolation and marine connectivity in a complex of cryptic seahorse lineages
17:30-17:45	Antoine Saint-Amand	High-resolution coral marine connectivity modelling in the Great Barrier Reef
17:45-18:00	Alexis Simon	Introgression and genetic connectivity in the blue mussel species complex
18:00-18:15	Susanne Tanner	A 10-year appraisal of multidisciplinary fish population connectivity studies along the Portuguese coast
19:00-22:00	Conference Dinner	

Wednesday 13 September 2017

9:00-9:45	Jerry Hilbish	<i>Invited talk:</i> Marine population response to climate change: the interplay of temperature and connectivity
9:45-10:00	Costas S. Tsigenopoulos	Discordant results from microsatellite and mtDNA data analyses in greater amberjack (<i>Seriola dumerili</i>) suggest secondary contact between divergent groups in the Mediterranean Sea and the Eastern Atlantic Ocean
10:00-10:15	Johan van der Molen	Modelling connectivity of larvae between offshore structures in the North Sea
10:15-10:30	Tom Van der Stocken	Modeling Mangrove Propagule Dispersal Trajectories Using High-Resolution Estimates of Ocean Surface Winds and Currents
10:30-10:45	Rosa van der Ven	<i>Seriatopora hystrix</i> , a coral with short pelagic larval duration, reveals a clear genetic break between populations in the Red Sea and East Africa, and a high level of genetic subdivision along the East African coast
10:45-11:15	Coffee Break	
11:15-11:30	Joana Boavida	Past and present day connectivity in the polychaete <i>Eunice norvegica</i> inhabiting cold water corals along European margins
11:30-11:45	Adriana Villamor	Genetic divergence within and between two sympatric morphotypes of the zoanthid <i>Parazoanthus axinellae</i> along the Mediterranean Sea
11:45-12:00	Filip Volckaert	Comparative seascape genetics as a tool to consolidate marine resource management
12:00-12:15	Paul Whomersley	Modelling the dispersal of spiny lobster (<i>Palinurus elephas</i>) larvae from commercially viable populations found in southwest England: Implications for future fisheries management and conservation measures
12:15-12:30	Jon Yearsley	A glimpse of deep-sea vent connectivity along the mid-Atlantic ridge using Argo probes
12:30-12:45	Concluding Remarks	