

# Reef Conservation UK

## Saturday 3<sup>rd</sup> December 2022

### Zoological Society of London



**08:30 Registration opens**

**09:30 Welcome address**

**09:40 Plenary speaker I**

09:40	Gareth Williams	Coral reefs, the moon, and underwater obstacles	Bangor University
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**10:10 Session I: Reefs under the microscope**

	Speaker	Presentation title	Institution
10:10	Kimberley Mills	A window into biomineralization in giant clams: opportunities and challenges	Cardiff University
10:25	Shaili Johri	Building 'Genomic Seascapes' to enable effective marine conservation.	Stanford University
10:40 Speed talk	Teigan Collins	Smart Grains: a novel artificial intelligence approach for sediments classification in turbid vs. clear-water reefs	NHM
10:45 Speed talk	Raphaela Gracie	Effects of nutrient and temperature stress on the coral microbiome	University of Southampton
10:50 Speed talk	Rosalie Dowell	Fine-scale temporal variation in coral reef community composition detected by environmental DNA	Imperial/ZSL

**10:55 Morning break & poster session**

**11:30 Session II: Reef ecology and behaviour**

	Speaker	Presentation title	Institution
11:30	Noam Vogt-Vincent	Coral reef connectivity across the southwestern Indian Ocean	University of Oxford
11:45	Oliver Blackburn	Benthic functional diversity in deep-sea coral reefs across a habitat complexity gradient in the Rockall Bank	Bangor University
12:00	Lisa Boström Einarsson	Don't listen to your elders - ecological trap following habitat loss in a coral-associated reef fish	Lancaster University
12:15	Ole Brodnicke	Functional impact and trophic morphology of small, sand-sifting fishes on coral reefs	Copenhagen University
12:30	Chancey Macdonald	Assembly rules of coral reef fish communities along the depth gradient	California Academy of Sciences
12:45 Speed talk	Sally Keith	Redrawing the lines of battle in coral reef fish communities	Lancaster University

**12:50 Lunch break & poster session**

## 13:50 Plenary speaker II

13:50	Pasita Chaijaroen	How does coral bleaching affect people? Evidence from the 1998 coral bleaching in Indonesia	VISTEC
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## 14:20 Session III: Reef conservation

	Speaker	Presentation title	Institution
14:20	Courtney Stuart	Seascape connectivity modelling reveals potential hotspots of fish-derived nutrient provisioning to restored coral reefs	University of Oxford
14:35	Adriana Humanes	Heritability of heat tolerance in <i>Acropora digitifera</i>	Newcastle University
14:50 Speed talk	Elizabeth Nevin	Going digital: the power of mobile monitoring tools to gather octopus fisheries data and inform reef management in Indonesia	Blue Ventures Conservation
14:55 Speed talk	Joanna Murray	Developing a visual guide to support CITES implementation for stony coral ( <i>Scleractinian spp.</i> ) in the global aquarium trade	Cefas

## 15:00 Afternoon break & poster session

## 16:00 Session IV: Reefs in a changing world

	Speaker	Presentation title	Institution
16:00	Eva Maire	Managing nutrition-biodiversity trade-offs on coral reefs	Lancaster University
16:15	Liam Lachs	Local thermal refugia associated with unanticipated coral heat tolerance variability across taxonomic scales	Newcastle University
16:30	Thomas Dobbelaere	Investigating the impact of a major hurricane on larval exchanges and disease propagation in Florida	UCLouvain
16:45 Speed talk	Hugo Harrison	Marine heatwaves as drivers of coral adaptation	Bristol University
16:50 Speed talk	David Gulko	Breaking waves: Using live coral and crustose coralline algae to protect critical coastal infrastructure	Hawaii Coral Restoration Nursery, Hawaii DLNR
16:55 Speed talk	Laura Richardson	Depth-dependent vulnerability to catastrophic thermal disturbance at a highly productive, uninhabited reef system	Bangor University
17:00 Speed talk	Wan-Chien Hsiao	Acknowledging differences: Latitudinal variation in population transient dynamics of morpho-functional coral groups	University of Leeds

## 17:00 Student prizes & closing remarks

## 17:30 Conference closes

## 17:45 Drinks reception within London Zoo until 19:45



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