

YRS 2018

5TH YOUNG REEF SCIENTISTS MEETING

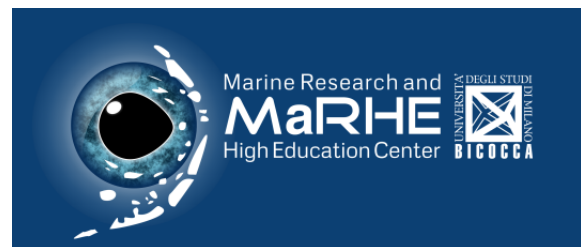
MUNICH, GERMANY
5TH -7TH SEPTEMBER 2018

PROGRAM

WITH THE SUPPORT OF:



GeoBio
Center^{LMU}



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

IN COLLABORATION WITH:



INTERNATIONAL YEAR OF THE REEF

Tuesday 4th September

17:30

Pre-registration

19:00

Ice-breaker Event

Wednesday 5th September

8:30

Registration

9:30

Welcome Address: Prof. Dr. Gert Wörheide

9:40

Keynote Lecture: Dr. John NA Hooper
Queensland Museum and Griffith University (Australia)

What do we still not know? The 'marine unknowns', and why they matter.

COFFEE BREAK (10:20-10:50)

SESSION 1: SPECIES STRUCTURE AND CONNECTIVITY

10:50

Diana Carolina Ballesteros Contreras
Manchester Metropolitan University

Population structure of shallow and deep water coral *Madracis auretenra* and *M. myriaster* (Pocilloporidae: Anthozoa) in the Colombian Caribbean- Preliminary results.

11:10

Grégory Philippart
Université Libre de Bruxelles

Toward a molecular taxonomy of the coral genus *Acropora*.

11:30

Ronen Liberman
Tel Aviv University

Octocoral sexual reproduction: temporal disparity between mesophotic and shallow populations.

11:50

Davide Maggioni
University of Milano Bicocca

Integrative taxonomy, evolution, and ecology of reef-associated symbiotic hydrozoans.

LUNCH BREAK (12:10-14:00)

SESSION 2: CALCIFICATION

14:00

Benedetta Fradusco
Ludwig Maximilians-Universität Munich

Identification of calcareous sponge spicule matrix proteins.

14:20

Silvia Stranges
Universidad Autónoma de Baja California Sur

Effects of ocean warming and acidification on the geographical distribution and calcification of the scleractinian corals of the Eastern Tropical Pacific.

14:40

Nicola Conci
Ludwig Maximilians-Universität Munich

Coral biomineralization: Going Beyond Scleractinians.

15:00

Susann Rossbach
King Abdullah University of Science and Technology

Light-dependent calcification of the symbiont giant clam *Tridacna maxima*.

15:20

Kristina Beck
Alfred Wegener Institute

In situ growth rates of the cold-water coral *Desmophyllum dianthus* are highest in aragonite undersaturated waters.

COFFEE BREAK (15:40-16:20)

SESSION 3: TAXONOMY

16:20

Leonard Namuth
Ludwig Maximilians-Universität Munich

Molecular Diversity of Sponges of Guadeloupe.

16:40

Fabian Deister
Ludwig Maximilians-Universität Munich

Using genomics to identify and define species within the genus *Tethya* (Demospongiae, Porifera).

17:00

Catalina Ramírez Portilla
Université Libre de Bruxelles

Treading thin lines: delineating species boundaries in the speciose *Acropora* coral genus.

17:20

Lena Wilde
Ludwig Maximilians-Universität Munich

Calcinea (Porifera: Calcarea) of the Maldives.

17:40

Adrian Galitz
Ludwig Maximilians-Universität Munich

Molecular Biodiversity of Iranian Persian Gulf Sponges.

18:30

Photo exhibition at the Munich Palaeontology Museum.

Thursday 6th September

9:30

Keynote Lecture: Benjamin Müller, PhD
University of Amsterdam

Bringing light into the dark – The role of nocturnal dissolved organic matter (DOM) release on current and future coral reefs.

COFFEE BREAK (10:00-10:30)

SESSION 4: REEFS UNDER STRESS I

10:30

Davide Seveso
University of Milano-Bicocca, MaRHE Center: the Marine Research and High Education Center in the Maldives.

An overview of its infrastructure and research activities.

10:50

Du Rosa Celia
National University of Singapore

Short-term exposure to heat and sediment triggers changes in coral gene expression pattern and photo-physiological performance.

11:10

Maria Jung
University of Bremen

Recovery capacity and physiology of Kimberley corals after unprecedented bleaching.

11:30

Elsa Girard
Ludwig Maximilians-Universität Munich

Microplastic retention by coral reef sponges.

11:50

Jessica Reichert
Justus Liebig University Giessen

The effects of microplastics on growth and health of major reef-building corals.

LUNCH BREAK (12:10-13:10)

SESSION 5: CORALS AS ENVIRONMENTAL ARCHIVES

13:10

Hedwig Alexandra Krawczyk
Freie Universität Berlin

A multi-proxy coral-based reconstruction of environmental dynamics influencing Miri-Sibuti Coral reefs National Park in Borneo (Malaysia).

13:30

Vanessa Skiba
Freie Universität Berlin

Assessing seasonal dynamics in climate parameters from Mid-Holocene Caribbean reef corals, Bocas del Toro, Panama.

14:10

Takaaki Watanabe
Hokkaido University

Coral records reveal that abrupt intensification in winter monsoon was the direct trigger of the Akkad empire collapse in 4 ka.

14:30

Maike Leupold
RWTH Aachen University, Geological Institute

How massive *Porites* corals from different settings in the central Indian Ocean respond to prolonged thermal stress.

14:50

Christoph Johannes Gey
Freie Universität Berlin

Sea surface temperature reconstruction at Europa Island (SW Indian Ocean) from coral trace element geochemistry.

COFFEE BREAK (15:10-15:30)

SESSION 6: SYMBIOSIS

15:30

Laura Rodriguez

University Rey Juan Carlos (Madrid, Spain)

Genetic study of the *Millepora alcicornis* - Symbiodinium association within and between both sides of the Atlantic.

15:50

Nicolai Schleinkofer

Goethe-Universität Frankfurt am Main

Environmental and Biological controls on Na/Ca ratios in scleractinian cold-water corals.

16:10

Chloé Pupier

Monaco Scientific Centre

Carbon and nitrogen acquisition of two zooxanthellate octocorals from shallow and mesophotic coral reef ecosystems.

COFFEE BREAK (16:30-17:00)

17:00

POSTER SESSION

19:45

DINNER

Friday 7th September

SESSION 7: REEFS UNDER STRESS II

9:30

Charlotte Page
Imperial College London

Seeking resistance on coral reefs: sub-lethal temperature stress and high flow conditions save coral reef species from thermal stress.

9:50

Diana Morales de Anda
Universidad de Guadalajara

Variation of reef fish functional diversity from a National Park in Central Mexican Pacific.

10:10

Chieh Lin
EES, LMU

Coral reef health associated with hotels in Phuket, Thailand.

10:30

Oliver Voigt
Freie Universität Berlin

Reconstructing past environmental conditions in the Caribbean using massive *Siderastrea siderea* corals, Almirante Bay (Bahía Almirante), Bocas del Toro, Panama

COFFEE BREAK (10:50-11:10)

SESSION 8: MONITORING THE REEF

11:10

Luca Fallati
MaRHE Center, University of Milan Bicocca

Consumer grade drone and GIS technologies to map and monitor threatened coral reef environments in Faafu Atoll, Republic of the Maldives.

11:30

Luca Saponari
University of Milan Bicocca

Monitoring and assessing a 2-year outbreak of the corallivorous seastar *Acanthaster planci* in Ari Atoll, Republic of Maldives.

11:50

Ryan Eagleson
University of Guelph

Using the mustard hill coral (*Porites astreoides*) as an indicator of early conservation success in the Caribbean.

12:10

Announcement of photo competition winner