

CA 16203_GP 2
Maristem Project

Training School 1-6/10/2018
Tricase (Lecce) Italy

DRAFT AGENDA

Monday, October 1st

09:00 Welcome to Participants
CIHEAM Bari - Avamposto Mare Delegate (A. Errico); The Major of Tricase (C. Chiuri); DISTEBA-
University of Salento (L. De Bellis)

Piraino /Ballarin: Presentation of the Course. Weekly syllabus
Ballarin: Presentation of the MARISTEM - COST ACTION
Boero: Mediterranean biodiversity and the role of marine biology stations

Sugni Morpho: functional adaptations of echinoderms: from smart connective tissues to remarkable
regenerative abilities. Part I. Echinoderm diversity.

13:30-14:30 Lunch break

14.30 Lab work – sorting out echinoderm diversity
Starting sponge self-recognition experiments: Homografts, allografts, xenografts

Oliveri: Evolution of gene regulatory networks and developmental controls in echinoderms

Oliveri: Talk 2

17:30 Students' presentations:
Who, What, Where

18:30 Pick up to hotel

20:00 Free Dinner

Tuesday, October 2nd

9.00 Bailly: The photosymbiotic acoel *Symsagittifera roscoffensis*

Rinkevich: Chimerism in cnidarians and tunicates

12:00 Sampling on the shoreline

Lab work – observation of *Symsagittifera* developmental stages
Lab work – sorting out cnidarians
Lab work – sponge follow-up

13:30-14:30 Lunch break

Rinkevich: Stem cells in marine invertebrates (overview)

Ereskovsky: Sponge diversity and phylogenetic relationships

Ballarin: *Botryllus* as a model organism

Group photo 1

18:30 Pick up to hotel

20:00 Free Dinner

Wednesday, October 3rd

9.00 Piraino/Pennati: *Turritopsis dohrnii*: an hydrozoan model of reverse development and cell transdifferentiation

10:30 Plankton sampling
Diving sampling (sponges, pterobranchs and more)

13:30-14:30 Lunch break

Lab sorting out – *Turritopsis*
Lab work – sponge experiments follow up
Lab work – looking for pterobranchs

14.30 Ereskovsky: Body plan formation during regeneration in sponges
Ereskovsky: Stem cells cell in sponges (Porifera): an update

Experimental work on sponges

18:30 Pick up to hotel

20:00 Free Dinner

Thursday, October 4th

9.00 Pennati /Piraino: Graptolithina and the invertebrate-to-vertebrate transition: the Mediterranean colonial pterobranch, *Rhabdopleura recondita*
Lab work – In vivo morphological analysis of pterobranchs

11.30 Neves: Phylum Cycliophora: A short introduction and state-of-the-art

13:30-14:30 Lunch break

14.30 Pagliara: The allograft inflammatory factor AIF-1 in the sea urchin: Insights on evolution of deuterostomes immune paths

Vizioli: Basic mechanisms of nerve repair in the medicinal leech *Hirudo medicinalis* (Annelida)

18:30 Pick up to hotel

20:00 Free Dinner

Friday, October 5th

9.00 Neves: Lab work - Discovering Symbion sp.

Parisi: Advances in cnidarian immunity evolution

Group photo 2

13:30-14:30 Lunch break

14.30 Parisi: Sea anemones inflammatory reactions and bioactive molecules: from multifunctional role to applications

Lab work - Experimental approaches on anthozoan immunological activities

Strano: Octopus vulgaris as a model system

18:30 Pick up to hotel

20:00 Free Dinner

Saturday, October 6th

9.00 Follow up – Lab clean-up

10.00 Verification test

Round table: What is model, what is non-model? Who cares about non-model organisms?

Funding opportunities

Take home messages – short video productions by all participants.

Release of certificates, farewell, end of the course

12.00 End of Sessions