



**COST Action 16203 FINAL MEETING**  
Padova, Italy, October 20-22, 2021

**October 20<sup>th</sup> Wednesday**

**General Action Meeting**

***University of Padova, Palazzo Bo, Archivio Antico hall, via VIII Febbraio 1848 nr. 2, Padova***

**9.00-9.15** Welcome to Participants

Prof. Luigi Bubacco, Director of the Department of Biology, University of Padova

Dr. Laura Drigo, International Research Office, University of Padova

Prof. Loriano Ballarin, Chair of the COST Action MARISTEM

**9.15- 10.00** Opening lecture

**Studying stem cells and differentiation with ACME dissociation**

Solana J.

*Department of Biological and Medical Sciences, Faculty of Health and Life Sciences, Oxford Brookes University, Oxford, England, UK*

**10.00-10.30**

**A *Hydra* Claudin cell-cell contact protein is involved in epithelial tissue dynamics, regeneration, and osmoregulation**

Eder M-K, AchRAINER M, GRÜNER K, Sandbichler A, Salvenmoser W, Hobmayer B

*Institute of Zoology, University of Innsbruck, Innsbruck, Austria*

**10.30-11.00** Coffee break

**11.00-11.30**

**Evolutionary dynamics of the myc gene family and functional conservation of an ancestral and structurally unique *Hydra* Myc protein**

Lechable M, Kibet Kitilit M, Egger B, \*Hartl M, Hobmayer B

*Institute of Zoology and \*Institute of Biochemistry, University of Innsbruck, Innsbruck, Austria*

**11.30-12.00**

**Marine collagens on the development of biomaterials for tridimensional culture of stem cells towards tissue regeneration**

Silva TH

*3B's Research Group, University of Minho, Barco – Guimarães, Portugal*

**12.00-12.30**

**Sub-lethal 5-Fluorouracil treatment promotes transcriptional profile changes in the *piwiA*-/*soxp1*-positive planarian stem cells**

Salveti A, Gambino G, Rossi L

*Department of clinical and experimental medicine, University of Pisa, Pisa, Italy*

**12.30-13.00**

**Analysis of cell hierarchies in the regenerative flatworm *Macrostomum lignano* using single-cell transcriptomics and stem cell-specific transgenic lines**

Mouton S, Ustyantsev K, Wudarski J, Berezikov E

*European Research Institute for the Biology of Ageing, University Medical Center, Groningen, The Netherlands*

**13.00-14.30** Lunch

**14.30-15.00**

**Absence of larval regeneration in the highly regenerative crinoid *Antedon mediterranea***

Sugni M, Pria G, Bonasoro F, Barbaglio A, Candia Carnevali MD

*Department of Environmental Science and Policy, University of Milan, Milan, Italy*

**15.00-15.30**

**Sweet tunicate blood cells: a glycan profiling of hemocytes in three ascidian species**

Zeng F, Peronato A, Ballarin L, Rothbacher U

*Institute of Zoology, University of Innsbruck, Innsbruck, Austria and \*Department of Biology, University of Padova, Padova, Italy*

**15.30-16.00** Coffee break

**16.00-16.30**

**Stem cells in the colonial ascidian *Botryllus schlosseri*: contribution to asexual development and morphological characterization of their niches**

Vanni V, Caicci F, Peronato A, Gasparini F, Dep pieri S, Manni L

*Department of Biology, University of Padova, Padova, Italy*

**16.30-17.00**

**Isolation of immune cells and hematopoietic stem cells from the tunicate model *Botryllus schlosseri***

Rosental B

*The Shraga Segal Department of Microbiology, Immunology, and Genetics, Faculty of Health Sciences, Regenerative Medicine and Stem Cell Research Center, Ben Gurion University of the Negev, Beer-Sheva, Israel*

**17.00-17.30**

**Preliminary data on senescence in haemocytes of the colonial ascidian *Botryllus schlosseri***

Cima F, Drago L, Peronato A, Franchi N, \*Ben Hamo O, Ballarin L

*Department of Biology, University of Padova, Padova, Italy and \*National Institute of Oceanography, Haifa, Israel*

*19:15 Gala dinner at Caffè Pedrocchi (just in front of the meeting venue), Sala Rossa hall, via VIII Febbraio 1848 nr. 15, Padova*

**October 21<sup>st</sup> Thursday**

**Working group meetings**

**University of Padova, Palazzo Bo, D'Ayala hall, via VIII Febbraio 1848 nr. 2, Padova**

**COST Action 16203 MARISTEM – WG MEETINGS - State of the art and proposals for the next 6 months**

- 9.00-10.30**      **WG1. Developing protocols for raising marine/aquatic invertebrate stem cells under in vitro conditions**
- 10.30-11.00**      Coffee break at Milk Bar, via Cesare Battisti 17, Padova
- 11.00-12.30**      **WG2. “omics” to characterize the MISC phenotypes**
- 12.30-14.00**      Lunch at Isola di Caprera Restaurant, via Marsilio da Padova 11, Padova
- 14.00-15.45**      **WG3. Blue technology: MISCs as model systems for the study of fundamental biological processes related to stem cells.**
- 15.45-16.15**      Coffee break at Milk Bar, via Cesare Battisti 17, Padova
- 16.15-17.45**      **WG4. Networking with stakeholders**

**October 22nd Friday**

**Management committee and Core Group meetings**

**[meeting for MC and CG Members only]**

**University of Padova, Palazzo Bo, D'Ayala hall, via VIII Febbraio 1848 nr. 2, Padova**

**9.00-10.30 Management Committee Meeting: Budget plan and proposals for the next 6 months**

**10.30 – 11.00 Coffee Break**

**11.00-12.30 Core Group Meeting**

**There will be the possibility to follow the meeting online. The link will be available soon.**