

CONFERENCE PROGRAM

June 3rd-9th, 2013 - Pre-Conference field trip

Start and end in Catania

*Organised by: Antonietta Rosso, Rossana Sanfilippo and Francesco Sciuto
with the collaboration of: Laura Bonfiglio, Salvo Caffo, Renato Cristofolini, Carla D'Arpa, Sebastiano Di Geronimo, Piero Di Stefano, Carmelo Ferlito, Maria Gullo, Emanuele Mollica, Ruggero Sciuto, Simona Todaro, Agostina Vertino, Donata Violanti, Giuseppe Zarcone, and the help of the staff of the Etna Park, the Area Marina Protetta Isole Ciclopi, the Italkali - Realmonte mine and the Cugni di Rio Cave (Luigi Ricotta).*

The field trip includes visits to: Mount Etna; Ciclopi Islands Marine Protected Area; snorkelling and/or diving for marine bryozoans; examination of collected specimens; Pianometa Pleistocene bryozoan factory; Megara Pleistocene shelf palaeocommunities; Miocene reefs and shelf algal/bryozoan palaeocommunities; “La Trota” fish farm along the Anapo River for fresh water bryozoans, the “Villa del Casale” (Roman aristocratic residence); the Realmonte salty mine in the evaporitic succession; the Pietra of Salomone outcrop with Permian reefal palaeocommunities and the Museum of Palazzo Adriano; the Greek site of Selinunte; the punic archaeological site of Motia and Museum of Marsala; Cefalù; Milazzo and its castle; the Gelasian to Pleistocene deep-water faunas of Capo Milazzo and La montagna (Messina).



The Gelasian bryozoan-bearing marls at Capo Milazzo

Monday, June 10th 2013

Palazzo delle Scienze, first floor, near the main hall, site of the meeting

- 09.00 IBA Registration: Meeting Room near the main hall: Antonietta Rosso, Rossana Sanfilippo and collaborators
Submission of manuscripts to Patrick Wyse Jackson and Joanne Porter: Meeting Room near the main hall
Poster set up in the spaces in front of the hall
- 10.10 *Welcome: Pietro Pavone, Director of the Department of Biological, Geological and Environmental Sciences of the University of Catania*
- 10.20 *Coffe break*

Bryozoan taxonomy: Dennis Gordon

- 10.40 **Tilbrook K.J.**, Gordon D.P.
Review of *Gregarinidra* Barroso, 1949 species (Bryozoa: Cheilostomata) from New Zealand and south-eastern Australia
- 11.00 **Herrera-Cubilla A.**, Jackson J.B.C.
The Genus concept in Cupuladriidae revisited
- 11.20 **Taticchi M.I. Prearo M., Scoparo M.1, Elia A.C.**
Freshwater Bryozoa from the Lake Tovel (Brenta Dolomites, Central Alps, Trento, Italy)
- 11.40 **Okamura B.**, Hartikainen H., Waeschenbach A., Wöss E., Wood T.
Divergence and species discrimination in freshwater bryozoans
- 12.00 **Martha S.**, Taylor P.D., Matsuyama K., Scholz J.
A short story of misidentification and missing links: the Mesozoic cyclostome *Kololophos* Gregory, 1896
- 12.20 *Lunch*
- 14.10 **Seminar: Andrew Ostrowsky**
Ovicels in cheilostome Bryozoa: morphology, taxonomy and systematics.
- 18.00 *Visit of the Botanical Garden guided by Pietro Pavone, Director of the Department of Biological, Geological and Environmental Sciences of the University of Catania and Giampietro Giusso del Galdo*
- 19.30 *Cheese-party welcome dinner at the Botanical Garden*



The main entrance to the Botanical Garden, strongly backed by Tornabene, and whose first stone was laid on July, 31st 1858.

Tuesday, June 11th 2013

Paleozoic bryozoans: Patrick Wyse Jackson, Marcus Key

- 09.00 **Buttler C.J.**, Ma J.-Y., Taylor P.D.
Cladistic analysis of the "Trepostome" Suborder Esthonioporina
- 09.20 **Ernst A.**, David Haig D., Håkansson E., Nakrem H.A., Reid C.
Early Permian bryozoans of Western Australia
- 09.40 **Suárez J.**, Wise Jackson P.N., Sendino-Lara C.
First record of a Palaeozoic fenestrate with a secondary zooid-bearing meshwork
- 10.00 **Nakrem H.A.**, Ernst A.
An introduction to Silurian bryozoans from the Oslo Region, Norway
- 10.20 **Cuffey R.**, Dodge C., Skema V.
The first-known fossil soft-bodied "dead-man's-fingers" bryozoan (Ctenostomida; Mid Pennsylvanian; Northwestern Pennsylvania)
- 10.40 *Coffe break*

Growth morphology/adaptations: Paul Taylor

- 11.00 **Håkansson E.**, Tilbrook K.J.
Bryozoan adaptations to life on the inter-reef carbonate sand of the Capricorn Reef Complex, Great Barrier Reef, Australia
- 11.20 Migotto A., Vieira L., **Winston J.**
Studies of living colonies of interstitial encrusting bryozoans from Southeast Brazil
- 11.40 Simpson C., Herrera Cubilla A., **Jackson J.B.C.**
Variations in cheilostome polymorphism across the Isthmus of Panama
- 12.00 **Simpson C.**
Association between colony life-history and polymorphism in cheilostomes
- 12.20 **Håkansson E.**, Zágorský K.
Biselenaria placentula (Reuss, 1867) -yet another route to become a free-living cheilostome
- 12.40 *Lunch*
- 14.30 **Wyse Jackson P.N.**, Key M.M. Jr., Coackley S.P.
Epizoozoan trepostome bryozoans on nautiloids from the Late Ordovician (Cincinnatian) of the mid-west US: an assessment of growth, form, and water flow dynamics

Global change/ocean acidification: Piotr Kuklinski

- 14.50 **Schäfer P.**, Ernst A.
Variations of trace elements in Permian and Recent Stenolaemate skeletons: palaeoclimate implications
- 15.10 **Schmidt R.**
Front row seats to the Ice Age: Oligocene bryozoans from a core on the south-west Australian shelf
- 15.30 **Reid C.M.**
Growth and calcification rates in polar bryozoans from the Permian of Tasmania, Australia.
- 15.50 **Scholz J.**, Spenser Jones M.
Changes in the epifauna of *Flustra foliacea* from British coasts during 4 centuries
- 16.10 *Coffe break*

16.30-18.20 Poster session

17.20-18.20 IBA Council Meeting

Wednesday, June 12th 2013

09.00 *Greetings by Giacomo Pignataro, the Rector of the University of Catania*

Recent Mediterranean bryozoans: Bjoern Berning

- 09.20 **Cukrov M., Novosel M.**
New findings of the estuarine bryozoan *Conopeum seurati* (Canu, 1928) along the eastern (Croatian) coast of the Adriatic Sea
- 09.40 **Rosso A., Sanfilippo R., Sciuto F.**
Open shelf soft bottom bryozoans from the Ciclopi Marine Protected Area (E Sicily, Mediterranean)
- 10.00 **Ayari R., Taylor P.D.**
Bryozoa from Tunisia, Western Mediterranean Sea
- 10.20 **Sokolover N., Ilan M.**
Bryozoa in the Israeli Mediterranean (Eastern Mediterranean)
- 10.40 *Coffe break*

Bryozoan historical collections: Hans Nackrem

- 11.00 **Spencer Jones M.**
The Prince's Legacy: bryozoans in the Linnean Herbarium and Linnaeus' British collections.
- 11.20 **Kelso A., Wyse Jackson P.N.**
Historical collections of Irish marine bryozoans.
- 11.40 **Martha S., Scholz J.**
Towards a type catalogue of the bryozoan collection of Professor Voigt (1905-2004).
- 12.00 *Group photograph on the stairs of the Palazzo delle Scienze*
Packet-lunch and bus excursion to Syracuse to visit the city main historical places
- 20.30 *Dinner at "Il Faraone" restaurant, in the sea-side terrace in front of Syracuse with the impressive view on the Ortigia Isle, the site of the ancient city*

Thursday, June 13th 2013

Reproduction: Beth Okamura

- 8.50 **Ostrovsky A.N.**
How many times has embryonic incubation evolved in bryozoan?
- 9.20 **Kotenko O.N., Ostrovsky A.N.**
Larval types in Gymnolaemata: their diversity and evolution
- 9.40 **Moosbrugger M., Schwaha T., Ostrovsky A.N.**
Diversity of reproductive patterns in the genus *Bugula* (Bryozoa, Cheilostomata) and its evolutionary implications
- 10.00 **Schwaha T., Moosbrugger M., Ostrovsky A.N.**
Extra-embryonic nutrition in the Ctenostomata and the Phylactolaemata
- 10.20 **Jenkins H.L., Bishop J.D.D., Okamura B., Huges R.N.**
Gender specialisation and control of female investment in cyclostome bryozoans
- 10.40 *Coffe break*

11.00 **Hughes R.N.**, Wright P.J.
Self fertilization in the *Celleporella angusta* clade

Molecular studies: Joanne Porter

11.20 **Gruhl A.**, Mailli A. Okamura B.
Lophophoran sensory organs in phylactolaemate bryozoans

11.40 **Shunkina K.V.**, Starunov V., Zaytseva O.V., Ostrovsky A.N.
Serotonergic and FMRF-amide-ergic elements in the nervous system of three freshwater bryozoans

Evolution: Kevin Tilbrock

12.00 **Schwaha T.**
Soft-body morphology evolution in the Bryozoa

12.20 **Hageman S.J.**
An integrated comparison of phenotypic and genetic rates of evolution: example from cupuladriid data of Dick, Herrera-Cubilla et al.

12.40 *Lunch*

Growth morphology/adaptations: Eckart Håkansson, Judith Winston

14.30 **Lim-Fong G.**, Linneman J., Paulus D., Lopanik N.
Latitudinal variations of a defensive symbiosis in *Bugula neritina* (Bryozoa)

14.50 **Loxton J.L.**, Barnes D.K.A., Kuklinski P., Porter J.S.
Variability of skeletal mineralogy in polar and temperate bryozoans caused by environmental conditions - a baseline and comparison

15.10 **Zagorsek K.**, Ramalho L.V., Tavora V.A.
Convergent evolution of Palaeozoic Fenestrata and Miocene *Pirabasoporella* gen. nov. from Brazil (Pirabas Fm.)

15.30 **Rouse S.**, Wilding T., Porter J.S.
The interactive effects of flow and food supply on the growth of *Flustra foliacea*

15.50 *Coffe break*

16.10 **Hirose M.**, Obuchi M., Fujita T.
Annual life history of *Lanceopora* sp. from Okinawa, Japan

16.30 **Wood T.S.**
Structure and function in Phylactolaemate statoblasts

New bryozoan studies

16.50 **Key M.M. Jr**, Wyse Jackson P.N.
Use of fossil bryozoans as provenance indicators

18.00 *Visit to the Benedettini Church with the Sartorius sundial and to the Monastery*

Friday, June 14th 2013

Bryozoan taxonomy: Andrei Ostrovsky

- 09.00 **Ryland J.S.**, Spencer Jones M.
Review of methods for separating crisiid (Cyclostomatida: Crisiidae) species
- 09.20 **Braga G.**, Dieni I., Fornasiero M.
On the real taxonomic status of *Lycopodites brachyramosa* Malaroda, 1950 from the Lower Oligocene of Northern Italy
- 09.40 **Wöss E.**
Lophopus jheringi Meissner 1893: a taxonomic discussion
- 10.00 **Wilson M.A.**, Taylor P.D.
Two abundant Palaeozoic bryozoans that aren't: the habitually misattributed *Allonema* and *Ascodictyon* and their shocking similarity
- 10.20 **Vieira L.**, Spencer Jones M., Winston J., Migotto A., Marques A.
Evidence for polyphyly of the genus *Scrupocellaria* (Bryozoa: Candidae) based on a phylogenetic analysis of morphological characters
- 10.40 *Coffe break*

Ecology: Timoty Wood

- 11.00 **Fortunato H.**
Population structure of *Flustra foliacea* (L.) (Bryozoa) in the North and Baltic Seas: preliminary results
- 11.20 **Nowak M.**, Kuklinski P., Siciński J.
Small scale biomass variability of Antarctic bryozoans
- 11.40 **Kuklinsky P.**, Balazy P., Nowak M., Bielecka L.
Factors controlling initial development of polar bryozoan assemblages
- 12.00 **Maltseva A.L.**, Kotenko O.N., Ostrovsky A.N.
Analysis of an antimicrobial activity in a marine bryozoan
- 12.20 **Giacobbe S.**, Minerva S., Andaloro F., Rosso A.
Dye hard: the bryozoan exploitation of shelf vents: the Aeolian Islands case in the Mediterranean Sea
- 12.40 *Lunch*

Bryozoans from Southern hemisphere: Rolf Schmidt

- 14.30 **Ramalho L.V.**, Calliari L.
Pleistocene to Recent bryozoans from Rio Grande do Sul State, Brazil
- 14.50 **De Blauwe H.**, Gordon D.P.
Contribution to the knowledge of bryozoans of the eastern Weddell Sea
- 15.10 **Florence W.**
Taxonomy, diversity and zoogeography of the South African Bryozoa
- 15.30 **Tilbrook K.J.**
Cheilostomatous Bryozoa from Heron Island, Queensland, Australia
- 15.50 *Coffe break*

Bryozoans from Northern hemisphere: Mary Spenser Jones

- 16.10 **Denisenko N.V.**
Bryozoans of the Kara Sea: fauna richness and spatial diversity
- 16.30 **Mohammadpour S.**, Berning B., Ostrovsky A.N., Cáceres-Chamizo J.P., Rahimian H.
First record of bryozoans from Iran (Qeshm Island, Persian Gulf)
- 16.50 **Porter J.S.**, Spencer Jones M., Drewery J., Rouse S.
Diversity of Bryozoa from offshore and deep water in the North East Atlantic Ocean
- 17.10 **Souto J.**, Berning B., Reverter-Gil O., Ostrovski A.N.
Bryozoans from Atlantic Iberian seamounts: preliminary results from the Galicia Bank
- 20.00 *Conference Dinner at the Palazzo Biscari, in the city centre*

*The Museo di Scienze della Terra is opened all the days during the Conference.
It is visitable at the first floor of the Earth Sciences Section building (see map).*

Saturday, June 15th 2013

Cenozoic Bryozoans: Kamil Zágoršek

- 09.00 **Gordon D.P.**, Taylor P.D.
Bryozoa of the Early Eocene Tumaio Limestone, Chatham Island, New Zealand
- 09.20 **Di Martino E.**, Taylor P.D.
Review of modern and fossil seagrass-associated bryozoans with a new record from the Miocene of East Kalimantan, Indonesia
- 09.40 **Berning B.**, Meireles R.P., Ávila S.P.
Fossil bryozoans from the Azores, central North Atlantic
- 10.00 **Sendino C.**, Taylor P.D.
Pliocene Bryozoans from Gran Canaria
- 10.20 **Taylor P.D.**, Di Martino E.
Why have so few bryozoan faunas been described from tropical Cenozoic deposits?
- 10.40 *Coffe break*

Biodiversity/alien species: John Ryland

- 11.00 **De Blauwe H.**, Kind D., Kuhlenkamp R., Faasse M., Vanagt T., Cuperus J., van der Weede B., Kerckhof F.
Recent discoveries of alien *Fenestrulina delicia* Winston, Hayward & Craig, 2000 (Bryozoa) in Western Europe
- 11.20 **Onishi T.**, Hiruta S.F., Dick M.H.
Phylogeography of *Cauloramphus magnus* (Bryozoa: Cheilostomata) in Northern Japan
- 11.40 **Loxton J.L.**, Spencer Jones M., Kuklinski P., Porter J.S.
Bryozoan forensics: the skeletal profile of a successful invader
- 12.00 **Matsuyama K.**, Martha S., Janssen-Tiltack A., Martínez Arbizu P., Freiwald A.
Record of some Pacific bryozoans from the RV Sonne deep sea cruises SO 167 “Luisville” and SO 205 “Mangan”
- 12.20 *Lunch*

Historical bryozoology: Françoise Bigey

- 14.10 **Sears M.**, Woollacott R.
Benjamin Harrison Grave (1878-1949): American marine invertebrate embryologist
- 14.30 **Winston J.E.**
Mary Dora Rogick - nexus of bryozoology
- 14.50 **Ostrovsky A.N.**
Bryozoan images in the works of early naturalists: Rondelet, Imperato, Ellis and others
- 15.10 **Smith A.M.**, Spencer Jones M.
Bryozoans of the Krusenstern Expedition
- 15.30 *Coffe break*
- 15.50-16.40 Poster session
- 16.20-16.40 Meeting of the Commission for evaluation of the best poster and talk
- 16.40 d’Hondt: Farewell to the bryozoologist’s community
- 16.50 IBA Business Meeting
- 17.50 Awards to young researchers for the best talk and the best poster
- 18.00-18.20 IBA Council Meeting for incoming members– set down of posters

Sunday, June 16th 2013

08.00-21.00 **Mid- and End-conference field trip**



The Castelluccio outcrop, near Augusta (Syracuse)

Organised by: Antonietta Rosso, Rossana Sanfilippo, Francesco Sciuto with the collaboration of Daniela Basso, Renato Cristofolini, Ruggero Sciuto.

The trip starts and ends in Catania, Piazza Verga, near the “Fontana dei Malavoglia” in front of the Hotel Excelsior. It includes the visit of the Castelluccio Pleistocene algal-bryozoan factory in the morning and the ascent to the Mount Etna, in the afternoon.

June, 17th-23rd 2013 - Post-conference field trip

Start in Catania - end in Verona

Organised by: Antonietta Rosso, Giampietro Braga, Anna Occhipinti Ambrogi, Mina Taticchi, with the collaboration of: Marco Avanzini, Fabrizio Bizzarrini, Lorenzo Bonometto, Basilio Borghi, Michaela Canali, Giampaolo Corallo, Gianluigi Dall'Igna, Mariagabriella Fornasiero, Renato Gasparella, Giuseppe Nicoletti, Maria Berica Rasotto, Cristina Stefani, Anna Vaccari.

The Field trip includes visits to: Historical Botanical Garden; University of Padova, including Galileo's original cathedra and the anatomical theatre; Priabonian bryozoan rich fossiliferous outcrops in the Val di Lonte area, including Priabona; Museum of Priabona; Palladio's "Rotonda"; Tovel lake for fresh-water bryozoans; dinosaurs' tracks of the Lavini di Marco; Museum of Rovereto hosting a huge quantity of bryozoans, mostly from the Braga's Collection; Eocene fossiliferous locality of Pesciara di Bolca; Palaeontological Museum of the University of Padova for outstanding fossils from Bolca; Ca'Roman Naturalistic Oasis protecting a dune system and its fauna; partial visit of the lagoon (possibly with a small boat, compatibly with the number of participants); Chioggia Marine Laboratory to look at lagoon biota, including bryozoans; Venice; Dolomite Mounts.



The Val di Lonte Site, now cultivated with vineyard