



CONGRESS SCHEDULE

SCHEDULE AT A GLANCE (some evening sessions may last 20 min. longer)

MONDAY 16 JULY					
	T 103	T 105	T 129	T 148	
09:00-09:30	Welcoming and announcements in T103				
09:40-11:00	Neogastropods	Terrestrial molluscs	Eye	Mol.Phyl.Evol.	
11:30-12:50	Neogastropods	Terrestrial molluscs	Eye	Mol.Phyl.Evol.	
12:50-14:00	Lunch + AMS/AMB closed meeting in U 024				
14:00-15:40	Neogastropods	Terrestrial molluscs	Eye	Pest control	
16:10-17:50	Neogastropods	Terr.molluscs/Mol.Phyl.Evol.	Eye	Pest control	
TUESDAY 17 JULY					
	T 103	T 105	T 129	T 148	
09:00-10:00	Neogastropods	Evolution	EQMal	Ecotoxicology	
10:00-10:40	Inventory	Evolution	EQMal	Ecotoxicology	
11:10-12:50	Inventory	Evolution	EQMal	Ecotoxicology	
12:50-14:00	Lunch + AMS systematics meeting in U 024				
14:00-15:00	Inventory	Evolution	EQMal	Ecotoxicology	
15:00-16:10	Inventory	Evolution	Heart	Ecotoxicology	
16:10-17:50	Inventory	Evolution	Heart	Ecotoxicology	
16:10-18:00	Curator's meeting in U 024				
16:30-17:30	EQMal formal meeting in U -003				
18:00-20:00	Poster session in main hall T building				
THURSDAY 19 JULY					
	T 103	T 105	T 129	T 148	U 024
09:00-10:40	Inventory	Evolution	Sexual selection	Zoogeography E Mediterranean	Bivalve taxonomy
11:10-12:50	Inventory	Evolution	Sexual selection	Zoogeography E Mediterranean	Mol.phyl. bivalves
12:50-14:00	Lunch + AMS conservation committee meeting in U 024				
14:00-15:40	Micro-molluscs	Evolution	Marine ecology	Freshwater Molluscs	
16:10-17:50	Micro-molluscs	Evolution	Marine ecology	Opisth. syst.&phyl.	
19:00-21:00	AMS auction at TPC – building R				
FRIDAY 20 JULY					
	T 103	T 105	T 129	T 148	U 024
09:00-10:40	Micro-molluscs	Evolution	Sexual selection	Freshwater bivalves	
11:10-12:50	Micro-molluscs	General tax.&phyl.	Sexual selection	Freshwater bivalves	
12:50-14:00	Lunch + AMS students meeting in U 024				
14:00-15:40	Micro-molluscs	-	Deep sea	Freshwater bivalves	
16:10-17:10	Unitas Malacologica general meeting in T 103				
17:10-18:10	AMS general meeting in T 103				
20:00-???	Congress diner at 'Grand Café Horta'				
SATURDAY 21 JULY					
09:30-17:00	IUCN SSC Specialist Group meeting in U 024				

CONFERENCE PROGRAM

MONDAY 16 JULY

Lecture hall T 103

09:00 – 09:30 Welcoming and announcements: Thierry Backeljau

NEOGASTROPOD ORIGINS, PHYLOGENY, EVOLUTIONARY PATHWAYS AND MECHANISMS

Chair: Jerry Harasewych

09:40 – 10:00 Origin and early radiation of the Neogastropoda: Evidence from nuclear and mitochondrial genes
Harasewych, M.G.

10:00 – 10:20 What is supporting the Neogastropoda monophyly? New evidences for the paraphyly
Kantor, Yuri I.; Fedosov, Alexander

10:20 – 10:40 Proboscis morphology in Caenogastropoda: Does the neogastropod proboscis have a homologue?
Golding, Rosemary E.

10:40 – 11:00 Kidney anatomy of neogastropods: New insights into relationships, affinities and evolutionary dynamics
Strong, Ellen E.

11:00 – 11:30 Tea/Coffee

NEOGASTROPOD ORIGINS, PHYLOGENY, EVOLUTIONARY PATHWAYS AND MECHANISMS

Chair: Jerry Harasewych

11:30 – 11:50 Evaluation of Neogastropoda of the Cretaceous, their taxonomy and relation based on the morphology of their protoconch
Bandel, Klaus

11:50 – 12:10 The road to an endemic Southeast Pacific fauna: Neogene neogastropods from Chile and Peru
Nielsen, Sven N.; DeVries, Thomas J.

- 12:10 – 12:30 To live or not to live in mud: The Neogastropod side of the story
Fortunato, Helena
- 12:30 – 12:50 A molecular phylogeny of the Buccinidae—a southern and a northern connection
Hayashi, Seiji
- 12:50 – 14:00 Lunch + AMS Publications and AMB meeting (closed meeting) in Lecture hall U 024

**NEOGASTROPOD ORIGINS, PHYLOGENY,
EVOLUTIONARY PATHWAYS AND MECHANISMS**

Chair: Ellen Strong

- 14:00 – 14:20 Early ontogeny in buccinid gastropods: inferences from morphology
Vendetti, Jann E.
- 14:20 – 14:40 Morpho-phylogenetic analysis of the subfamily Colinae (Buccinidae, Neogastropoda)
Kosyan, Alisa R.
- 14:40 – 15:00 Adaptive significance of secondarily reduced features of the soft anatomy of *Vitularia salebroza* (Neogastropoda: Muricidae): Experimental, geochemical, and anatomical evidence
Herbert, Gregory S.; Simone, Luiz R.; Fortunato, Helena; Sliko, Jennifer; Dietl, Gregory P.
- 15:00 – 15:20 The coralliophilines radiation: repeated dives into the deep?
Oliverio, Marco; Richter, Alexandra; Barco, Andrea; Modica, Maria Vittoria
- 15:20 – 15:40 Accounts on the phylogeny of the Muricidae (Caenogastropoda) based on comparative morphology of some representatives
Simone, Luiz Ricardo L.
- 15:40 – 16:10 Tea/Coffee

**NEOGASTROPOD ORIGINS, PHYLOGENY,
EVOLUTIONARY PATHWAYS AND MECHANISMS**

Chair: Ellen Strong

- 16:10 – 16:30 Using molecular approaches to investigate the function of the hypobranchial gland of the marine snail, *Dicathais orbita*
Laffy, Patrick W.; Benkendorff, Kirsten; Westley, Chantel; Abbott, Catherine A.

- 16:30 – 16:50 The genesis of Tyrian purple precursors in the gonoduct and egg masses of *Dicathais orbita* (Neogastropoda: Muricidae)
Westley, Chantel; Benkendorff, Kirsten
- 16:50 – 17:10 The enigmatic neogastropod *Tritonoharpa*: New data on cancellariid evolution
Modica, Maria Vittoria; Kosyan, Alisa; Oliverio, Marco
- 17:10 – 17:30 Sexual dimorphism in the shells of the South-Western Atlantic gastropod *Olivella plata* (Ihering, 1908) (Mollusca: Olividae)
Pastorino, Guido
- 17:30 – 17:50 Reproductive studies on volutes of the South West Atlantic (Neogastropoda: Volutidae)
Penchaszadeh, Pablo E.; Arrighetti, Florencia; Bigatti, Gregorio; Cledón, Maximiliano; Giménez, Juliana Carlos Sanchez, Antelo

MONDAY 16 JULY

Lecture hall T 105

OPEN SESSION: TERRESTRIAL MOLLUSCS

Chair: Beata Pokryszko

- 09:40 – 10:00 Land snail faunas in Polish forests: history, geography and ecology
Cameron, Robert A.D.; Pokryszko, Beata M.; Horsak, Michal
- 10:00 – 10:20 Regional and local scale effects on the richness and composition of land snail assemblages in Hungary
Sólymos, Péter; Jónás, Ágota
- 10:20 – 10:40 Snails from America's heartland: diversity and abundance of terrestrial gastropods in Southern Illinois, USA
Coppolino, Marla L.
- 10:40 – 11:00 Land-snail diversity in a threatened limestone formation in Odukpani, Cross River State, Nigeria
Oke, Chris O.
- 11:00 – 11:30 Tea/Coffee

OPEN SESSION: TERRESTRIAL MOLLUSCS

Chair: Robert Cameron

- 11:30 – 11:50 Contribution to the revision of the biodiversity of Tunisian terrestrial Malacofauna
Abbes, Intidhar; Nouira, Saïd
- 11:50 – 12:10 Rhytididae in Madagascar: reality or wishful thinking?
Herbert, D.G.; Moussalli, A.; Griffiths, O.
- 12:10 – 12:30 Systematic and distributional studies of Colombian continental mollusks – The land snail genera *Isomeria* Beck and *Labyrinthus* Beck (Gastropoda: Camaenidae)
Borrero, Francisco J.; Kattan, Gustavo; Giraldo, Manuel
- 12:30 – 12:50 Biogeography and systematic concepts of Helicinidae in the Lesser Antilles (Gastropoda: Neritopsina)
Richling, Ira
- 12:50 – 14:00 Lunch + AMS Publications and AMB meeting (closed meeting) in Lecture hall U 024

OPEN SESSION: TERRESTRIAL MOLLUSCS

Chair: Heike Reise

- 14:00 – 14:20 Pupilloidea (Pupillidae, Vertiginidae, Valloniidae, Gastrocoptinae) of the Altay – a travel in space and time
Pokryszko, Beata M.; Horsák, Michal
- 14:20 – 14:40 New data on Paleozoic continental gastropods from Poland: Sedimentary and evolutionary context
Stworzewicz, Ewa; Pokryszko, Beata M.; Szulc, Joachim
- 14:40 – 15:00 Synanthropic terrestrial mollusc faunas of Colorado and Utah
Hutchinson, John M.C.; Reise, Heike
- 15:00 – 15:20 Life cycles of the Polish clausiliids – knowns and unknowns
Maltz, Tomasz K.; Sulikowska-Drozd, Anna
- 15:20 – 15:40 Harmonic radar evidence for wind dispersal and homing capability in the tree snail genus *Achatinella* (Pulmonata: Achatinellidae)
Hall, Kevin T.; Hadfield, Michael G.
- 15:40 – 16:10 Tea/Coffee

OPEN SESSION: TERRESTRIAL MOLLUSCS

Chair: John Hutchinson

- 16:10 – 16:30 Active camouflage in a snail
Allgaier, Christoph
- 16:30 – 16:50 When a snail dies in the forest, how long will the shell persist?
Pearce, Timothy A.

OPEN SESSION: MOLECULAR PHYLOGENETICS AND EVOLUTION

Chair: Piyoros Tongkerd

- 16:50 – 17:10 Molecular systematics of North American *Ferrissia* (Pulmonata: Ancyliidae)
Walther, Andrea
- 17:10 – 17:30 Achatinellid land snails of the Pacific islands: phylogenetics, phylogeography and evolution
Parker, Meaghan E.
- 17:30 – 17:50 Tahitian tree snail mitochondrial clades survived recent mass-extirpation
Lee, Taehwan; Burch, John B.; Jung, Younghun; Coote, Trevor; Pearce-Kelly, Paul; Ó Foighil, Diarmaid

MONDAY 16 JULY

Lecture hall T 129

MOLLUSCAN MODELS: ADVANCING OUR UNDERSTANDING OF THE EYE

Chair: Laura Robles

09:40 – 10:20 Developing molluscan models to study the disease, ecology, and evolution of the eye
Serb, Jeanne M.

10:20 – 11:00 Photoreception and the evolution of photoreceptors (with special reference to Mollusca)
Salvini-Plawen, Luitfried

11:00 – 11:30 Tea/Coffee

MOLLUSCAN MODELS: ADVANCING OUR UNDERSTANDING OF THE EYE

Chair: Laura Robles

11:30 – 12:10 Evolution of mollusc lens crystallins
Piatigorsky, Joram

12:10 – 12:50 Eye structure and vision among gastropods
Zieger, Marina

12:50 – 14:00 Lunch + AMS Publications and AMB meeting (closed meeting) in Lecture hall U 024

MOLLUSCAN MODELS: ADVANCING OUR UNDERSTANDING OF THE EYE

Chair: Jeanne Serb

14:00 – 14:20 The genus *Buccinanops* (d' Orbigny, 1841): No eyes or blind eyes?
Averbuj, Andres; Penchaszadeh, Pablo E.

14:20 – 14:40 Chitons as potential models for investigating recent and parallel evolution of eyes
Eernisse, Douglas J.

14:40 – 15:20 Using the Octopus retina to understand the cell biology of the eye: Surprises and clues!
Robles, Laura J.; Kelly, Shannon

15:20 – 15:40 Analysis of the 3' untranslated regions of α -tubulin and S-crystallin mRNA and identification of CPEB in dark- and light-adapted octopus retinas
Kelly, Shannon; Robles, Laura

15:40 – 16:10 Tea/Coffee

MOLLUSCAN MODELS: ADVANCING OUR UNDERSTANDING OF THE EYE

Chair: Jeanne Serb

16:10 – 16:50 The evolution of eyes in the Bivalvia: new insights

Morton, Brian

16:50 – 17:10 Scallops visually respond to simulated particles in flow

Speiser, Daniel I; Johnsen, Sönke

17:10 – 17:50 Receptor physiology in bivalve eyes and the role of primary inhibition

Wilkins, Lon A.

MONDAY 16 JULY

Lecture hall T 148

OPEN SESSION: MOLECULAR PHYLOGENETICS AND EVOLUTION

Chair: Somsak Panha

- 09:40 – 10:00 Phylogenetic relationships of the southeast Asian land operculate snails of the genus *Cyclophorus* (Prosobranchia: Cyclophoridae) using DNA sequence data
Tongkerd, Piyoros, Sutcharit, Chirasak, Douzery, Emmanuel, Jaeger, Jean-Jacques; Panha, Somsak
- 10:00 – 10:20 On the identity of two New World ampullariids, *Pomacea lineata* and *Pomacea figulina*
Thiengo, S.C.; Hayes, K.; Mattos, A.; Fernandez, M.A.; Cowie, R.H.
- 10:20 – 10:40 Populations of baikalian endemic mollusks *Baicalia carinata* (Mollusca: Caenogastropoda) and evolution relation with close related species.
Peretolchina, Tatiana E.; Sherbakov, Dmitry Yu; Sitnikova, Tatiana Ya
- 10:40 – 11:00 New evidence for old names: On the systematics of Neotropical freshwater gastropods (Caenogastropoda: Cerithioidea: Pachychilidae, Thiaridae)
Gomez, Maria; von Rintelen, Thomas; Glaubrecht, Matthias; Strong, Ellen E.; Köhler, Frank
- 11:00 – 11:30 Tea/Coffee
- 11:30 – 11:50 Genetic differentiation in *Maakia herderiana* (Mollusca, Gastropoda)
Fazalova, Varvara; Sherbakov, Dmitry
- 11:50 – 12:10 The widespread slug *Limax maximus* Linnaeus, 1758 (Gastropoda: Pulmonata): species boundaries and redescription
Hyman, Isabel T.; Klee, Barbara; Schnepf, Ulrich; Haszprunar, Gerhard
- 12:10 – 12:30 Hidden genetic diversity in cephalopods: cryptic speciation or deep mitochondrial coalescent events?
Anderson, Frank E.
- 12:30 – 12:50 Population genetic structure of a sympatric squid-*Vibrio* mutualism in the Mediterranean Sea
Zamborsky, Daniel J.; Nishiguchi, Michele K.

This open session is continued in the afternoon, lecture hall T105 from 16:50 – 17:50.

12:50 – 14:00 Lunch + AMS Publications and AMB meeting (closed meeting) in Lecture hall U 024

MOLLUSCS AND PEST CONTROL

Chair: Rita Triebskorn

14:00 – 14:40 Controlling slugs and snails – will hope triumph over experience?
Port, Gordon

14:40 – 15:00 Pest snails in Australia: current management strategies and challenges for the future
Lush, Angela L.; Baker, G.H.

15:00 – 15:20 Impacts of three seasonal soil management regimes on slug abundance and slug damage to oilseed rape
El Titi, Adel

15:20 – 15:40 Mortality to the giant African snail *Achatina fulica* Bowdich, 1822 and non-target snails using select molluscicides
Ciomperlik, Matthew A.; Robinson, David G.; Gibbs, Ian H.; Fields, Angela; Stevens, Timothy ; Taylor, Bret M.

15:40 – 16:10 Tea/Coffee

MOLLUSCS AND PEST CONTROL

Chair: Bill Bailey

16:10 – 16:30 The use of microencapsulated BioBullets in the control of invasive bivalves
Aldridge, David C.

16:30 – 16:50 Application of a 16S rDNA barcode to diagnose pest *Arion* species in the U.S.A.
Barr, Norman; Cook, Amanda; Elder, Peggy, Molongoski, John, Prasher, Douglas; Robinson, David

16:50 – 17:10 Local adaptations, races or even species?
Engelke, Sabine

17:10 – 17:30 Molecular diversity among populations of the terrestrial slugs *Arion lusitanicus* and *Arion rufus* (Mollusca, Pulmonata, Arionidae) in Poland
Soroka, Marianna, Kaluski, Tomasz, Kozłowski, Jan, Wiktor, Andrzej

17:30 – 17:50 General discussion

TUESDAY 17 JULY

Lecture hall T 103

NEOGASTROPOD ORIGINS, PHYLOGENY, EVOLUTIONARY PATHWAYS AND MECHANISMS

Chair: Yuri Kantor

- 09:00 – 09:20 Comparative anatomy of selected Philippine Cone snails (Neogastropoda)
Baoanan, Zenaida Gutay, Cruz, Lourdes J.; Pagulayan, Roberto C.;
Lagunzad, Daniel A.
- 09:20 – 09:40 New insights on the phylogeny of the Conoidea (Neogastropoda) using
molecular data
Puillandre, Nicolas; Samadi, Sarah; Boisselier, Marie-Catherine; Bouchet,
Philippe
- 09:40 – 10:00 A combinatorial phylogenetic analysis of Conoidea
Meyer, Christopher P.; Duda, Thomas F.; Rawlings, Timothy; Kohn,
Alan J.; Todd, Jonathan A.; Olivera, Baldomero M., Watkins, Maren;
Ownby, John-Paul; Thomas, Richard

INVENTORYING THE MOLLUSCAN FAUNA OF THE WORLD: FRONTIERS AND PERSPECTIVES

Chair: Philippe Bouchet

- 10:00 – 10:40 Inventorying the molluscan fauna of the world: how far to go?
Bouchet, Philippe
- 10:40 – 11:10 Tea/Coffee

INVENTORYING THE MOLLUSCAN FAUNA OF THE WORLD: FRONTIERS AND PERSPECTIVES

Chair: Philippe Bouchet

- 11:10 – 11:30 Cryptic diversity of gastropods in oxygen-poor intertidal habitats;
systematics, ecology and evolution of the Phenacolepadidae
Kano, Yasunori
- 11:30 – 11:50 Poorly explored jewels of the tropics - diversity in non-pulmonate land
snails of the family Helicinidae (Neritopsina)
Richling, Ira

- 11:50 – 12:10 Devil in the detail: Scissurellid systematics in the making (Gastropoda: Vetigastropoda)
Geiger, Daniel L.
- 12:10 – 12:30 Palaeoheterdonta MMVII: A cosmopolitan assessment of freshwater mussel diversity
Graf, Daniel L.; Cummings, Kevin S.
- 12:30 – 12:50 Evolving with friendly bacteria: global diversity of lucinid bivalves reviewed
Glover, Emily A.; Taylor, John D.
- 12:50 – 14:00 Lunch + AMS Systematics Committee meeting (open to anyone interested) in Lecture hall U 024

INVENTORYING THE MOLLUSCAN FAUNA OF THE WORLD: FRONTIERS AND PERSPECTIVES

Chair: Daniel Geiger

- 14:00 – 14:20 Global opisthobranch biodiversity: Are they evolving faster than we can find them?
Gosliner, Terrence
- 14:20 – 14:40 What shall we do with the old descriptions?
Jensen, Kathe R.
- 14:40 – 15:00 Inventorying the molluscan fauna of the world - The role and impact of malacological serials
Bieler, Rüdiger
- 15:00 – 15:20 Marine cryptic diversity: the allopatric component
Meyer, Christopher P.
- 15:20 – 15:40 Molecular versus morphological taxonomy: a case study of character evaluation in marine Gastropoda
Gittenberger, Adriaan
- 15:40 – 16:10 Tea/Coffee

INVENTORYING THE MOLLUSCAN FAUNA OF THE WORLD: FRONTIERS AND PERSPECTIVES

Chair: Rüdiger Bieler

- 16:10 – 16:30 Approaches and problems in species delimitation of tropical freshwater snails: examples from Southeast Asian pachychilids
von Rintelen, Thomas; Köhler, Frank; Glaubrecht, Matthias

16:30 – 16:50 Cutting the Gordian knot of a taxonomic impediment: A plea for MOTU-numbers (Molecular Operational Taxonomic Units)
Klee, B.; Hyman, I.; Wiktor, A.; Haszprunar, G.

16:50 – 17:10 *Amphidromus* revisited: A fresh look at the conchologist's favourite land snail genus
Panha, Somsak; Sutcharit, Chirasak; Tongkerd, Piyoros; Prasankok, Pongpun; Yasin, Zulfigar; Tan, Aileen; Ng, Peter; Clements, Reuben; Moolenbeek, Robert; Maassen, Wim; Naggs, Fred; Asami, Takahiro

17:10 – 17:30 Diversity of terrestrial snails in Papua New Guinea: Have we only scratched the surface?
Slapcinsky, John

17:30 – 17:50 Malacology in the arid areas of the Middle East unexplored or empty?
Neubert, Eike

Curator's meeting - Lecture hall U 024

16:10 – 18:00 Contact Julia Sigwart

Lecture hall U -003 (Bioruimte)

16:30 – 17:30 Formal meeting of EQMal

Main hall of T building

18:00 – 20:00 POSTER SESSION
(with juice, wine, Belgian beers and cheeses)

TUESDAY 17 JULY

Lecture hall T 105

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Matthias Glaubrecht

- 09:00 – 09:20 Molluscs as models in evolutionary biology: from local speciation to global radiation - Introduction to the symposium
Glaubrecht, Matthias; von Rintelen, Thomas
- 09:20 – 10:00 Global patterns of diversity and speciation in tropical marine mollusks
Williams, Suzanne; Reid, David
- 10:00 – 10:20 Historical biogeography and phylogenetics of the Pacific Succineidae
Cowie, Robert H.; Holland, Brenden S.
- 10:20 – 10:40 Replaying the tape: replicated biogeographic patterns in Cape Verde *Conus*
Cunha, Regina L.; Tenorio, Manuel J.; Rüber, Lukas; Afonso, Carlos; Castilho, Rita; Zardoya, Rafael
- 10:40 - 11:10 Tea/Coffee

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Thomas von Rintelen

- 11:10 – 11:30 Marine and brackish water phylogeography of southeastern Australian Mollusca
Colgan, D.J.; da Costa, P.; Reutelshöfer, T.; Golding, R.E.
- 11:30 – 11:50 Mudwhelks in mangroves: the evolutionary history of the Potamididae
Reid, David G.; Williams, Suzanne; Lozouet, Pierre; Glaubrecht, Matthias
- 11:50 – 12:10 Diversity, speciation and historical biogeography of Bullidae
Malaquias, Manuel António E.; Reid, David G.
- 12:10 – 12:30 Ancient vicariance and recent dispersal of springsnails (Hydrobiidae: *Pyrgulopsis*) in the Death Valley System, California-Nevada
Hershler, Robert; Liu, Hsiu-Ping
- 12:30 – 14:00 Lunch + AMS Systematics Committee meeting (open to anyone interested) in Lecture hall U 024

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Christian Albrecht

- 14:00 – 14:20 Phylogeography and evolution of the Caribbean land snail family Urocoptidae (Gastropoda, Pulmonata): radiation in isolation
Uit de Weerd, Dennis
- 14:20 – 14:40 Molecular phylogeny and biogeography of the polytypic genus *Pyrenaearia*
Elejalde, M. Arantzazu; Madeira, María José; Prieto, Carlos E.; Backeljau, Thierry; Gómez-Moliner, Benjamín J.
- 14:40 – 15:00 Comparative analysis of land snail radiations on Crete
Sauer, Jan; Hausdorf, Bernhard
- 15:00 – 15:20 Evolutionary patterns of the terrestrial mollusc genus *Everettia* and *Meghimatium* in the Northern Borneo
Liew, Thor-Seng; Schilthuizen, Menno
- 15:20 – 15:40 *Achatina fulica*: its molecular phylogeny and genetic variation in global populations
Fontanilla, Ian Kendrick; Hudelot, Cendrine; Naggs, Fred; Wade, Chris
- 15:40 – 16:10 Tea/Coffee

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Dennis Uit de Weerd

- 16:10 – 16:30 Fast trails versus hard shells: using defensive traits in aquatic gastropods as a model system for exploring questions in evolutionary ecology
Rundle, Simon D.
- 16:30 – 16:50 Witnessing a 'wave of advance'
Gittenberger, Edmund
- 16:50 – 17:10 Climbing the gene trees: a first molecular step towards elucidating the extreme morphological variation within *Abida secale*
Kokshoorn, Bas; Gittenberger, E.
- 17:10 – 17:30 Examination for shell surface adaptations to water management in a rock-dwelling land snail
Giokas, Sinos
- 17:30 – 17:50 Waddington's widget in the field: Do different stress response strategies result in variations of pulmonate shell variability?
Köhler, Heinz-R.; Lazzara, Raimondo; Dittbrenner, Nils; Kraus, Stefanie; Capowiez, Yvan; Mazzia, Christophe; Triebkorn, Rita

Curator's meeting - Lecture hall U 024

16:10 – 18:00 Contact Julia Sigwart

Lecture hall U -003 (Bioruimte)

16:30 – 17:30 Formal meeting of EQMal

Main hall of T building

18:00 – 20:00 POSTER SESSION
(with juice, wine, Belgian beers and cheeses)

TUESDAY 17 JULY

Lecture hall T 129

QUATERNARY MALACOLOGY: NEW DEVELOPMENTS IN PALAEOECOLOGY AND BIOSTRATIGRAPHY

Chair: Richard Preece

- 09:00 – 09:40 Amino acids in calcite: a tiny time-capsule for the Quaternary
Penkman, K.E.H.; Maddy, D.; Keen, D.H.; Preece, R.C.; Collins, M.J.
- 09:40 – 10:00 The Holsteinian: MIS 7, 9 or 11?
Meijer, Tom
- 10:00 – 10:20 Occurrence of *Retinella (Lyrodiscus)* in Quaternary west-european sequences: taxonomical status and palaeoclimatic implication
Limondin-Lozouet, Nicole
- 10:20 – 10:00 Millennial-timescale environmental changes recorded by molluscan fauna at Nussloch (Germany) during the last glaciation and perspectives in quantitative palaeoclimatic reconstructions in quaternary malacology
Moine, Olivier; Rousseau, Denis-Didier; Antoine, Pierre
- 10:40 – 11:10 Tea/Coffee

QUATERNARY MALACOLOGY: NEW DEVELOPMENTS IN PALAEOECOLOGY AND BIOSTRATIGRAPHY

Chair: Nicole Limondin

- 11:10 – 11:30 Analysis of shell growth, structure and chemical composition of ocean quahog (*Arctica islandica*)
Dunca, Elena; Mutvei, Harry; Göransson, Peter; Mörth, Carl-Magnus; Whitehouse, Martin J; Elfman, Mikael
- 11:30 – 11:50 Environmental insights into the Crag Sea: investigation of growth rates of Pliocene *Arctica islandica* from the Coralline Crag (UK)
Harper, E.M.; Finlayson, A.; Richardson, C.A.
- 11:50 – 12:10 Changes in Quaternary mollusc assemblages in Eastern Hungary in Late Quaternary
Nyilas, István
- 12:10 – 12:30 Late Glacial-Early Holocene environmental change at Favignana island (Sicily - Italy): evidence from malacological records in prehistoric deposit
Colonese, A.C.; Lo Vetro, D.; Martini, F.

12:30 – 12:50 Application of marine mollusk remains from shell middens for paleoenvironmental reconstructions
Antipushina, Zhanna

12:50 – 14:00 Lunch + AMS Systematics Committee meeting (open to anyone interested) in Lecture hall U 024

**QUATERNARY MALACOLOGY: NEW DEVELOPMENTS IN
PALAEOECOLOGY AND BIOSTRATIGRAPHY**

Chair: Frank Wesselingh

14:00 – 14:20 Molluscan evidence of woodland disturbance in the Irish Holocene
Speller, George R.; Preece, Richard C.

14:20 – 14:40 Reconstruction of the pleniglacial environment based of molluscan assemblages of the Titel Old Brickyard Section (Vojvodina, Serbia)
Gaudenyi, Tivada; Jovanovic, Mladjen; Markovic, Slobodan B.

14:40 – 15:00 Holocene molluscan successions from the Lake Baikal region, Siberia
Preece, Richard C.; White, Dustin; Shchetnikov, Alexander A.

15:00 – 17:50 Symposium: HEART AND CIRCULATION IN MOLLUSCS (see next page)

Curator's meeting - Lecture hall U 024

16:10 – 18:00 Contact Julia Sigwart

Lecture hall U -003 (Bioruimte)

16:30 – 17:30 Formal meeting of EQMal

Main hall of T building

18:00 – 20:00 POSTER SESSION IN MAIN HALL
(with juice, wine, Belgian beers and cheese)

TUESDAY 17 JULY

Lecture hall T 129

HEART AND CIRCULATION IN MOLLUSCS

Chair: Robert Hill

- 15:00 – 15:20 Countercurrent and continuity in gastropods
Voltzow, Janice
- 15:20 – 15:40 Scaling of metabolism of the pelagic squid *Dosidicus gigas*
Trueblood, Lloyd; Seibel, Brad
- 15:40 – 16:10 Tea/Coffee

HEART AND CIRCULATION IN MOLLUSCS

Chair: Robert Hill

- 16:10 – 16:30 Heterometric autoregulation in the bivalve heart
Collis, Leon; Sun, Ying; Hill, Robert B.
- 16:30 – 16:50 Molluscan models for cardiac physiology
Hill, Robert B.; Kuwasawa, Kiyooki; Sun, Ying
- 16:50 – 17:10 Control of a mollusc heart by 5-hydroxytryptamine and acetylcholine receptor subtypes
Devlin, C. Leah; Folger, Peter; Heinz, Justin; Nieves, Joyce; Sverzhin, Maksim
- 17:10 – 17:30 The effects of salinity changes on the heart rate of two species of bivalvia in long-term experiment
Bakhmet, I.N.; Komendantov, A.J.; Smurov, A.O.
- 17:30 – 17:50 General discussion

Curator's meeting - Lecture hall U 024

- 16:10 – 18:00 Contact Julia Sigwart

Lecture hall U -003 (Bioruimte)

16:30 – 17:30 Formal meeting of EQMal

Main hall of T building

18:00 – 20:00 POSTER SESSION IN MAIN HALL
(with juice, wine, Belgian beers and cheeses)

TUESDAY 17 JULY

Lecture hall T 148

MOLLUSCS IN ECOTOXICOLOGICAL RESEARCH

Chair: Rita Triebskorn

- 09:00 – 09:40 Gastropod species as model organisms in ecotoxicology ? Introducing the molecular view
Dallinger, Reinhard
- 09:40 – 10:00 Effect of metal accumulation and metallothionein induction on the condition of the periwinkle *Littorina littorea* along the entire Scheldt estuary
Van den Broeck, Heidi; De Wolf, Hans; Backeljau, Thierry; Blust, Ronny
- 10:00 – 10:20 Metal speciation and metallothionein induction after cadmium exposure in the terrestrial snail *Helix aspersa* (Gastropoda, Pulmonata)
Hispard, Florian; Schuler, Dietmar; de Vaufleury, Annette; Dallinger, Reinhard
- 10:20 – 11:10 Tea/Coffee

MOLLUSCS IN ECOTOXICOLOGICAL RESEARCH

Chair: Kurt Jordaens

- 11:10 – 11:30 Biomarkers as tools to assess the risk of environmental stress for terrestrial and aquatic gastropods
Triebskorn, Rita; Dittbrenner, Nils; Krais, Stefanie; Lazzara, Raimondo; Sawasdee, Banthita; Schmidt, Lena; Köhler, Heinz-R.
- 11:30 – 11:50 Cytogenetic damage in aquatic mollusks as a biomarker of environmental pollution
Baršienė, Janina; Rybakovas, Aleksandras; Andreikėnaitė, Laura
- 11:50 – 12:10 Behavioural and reproductive biomarkers of organophosphate pesticide (Delvap) in the giant land snail *Archachatina marginata* (Swainson)
Fadina, Opeyemi A; Otitolaju, Adebayo A; Egonmwan, Rosemary I.
- 12:10 – 12:30 Comparative assessment of reproductive toxicity of contaminated freshwater sediments by *in vivo* biotests with *Potamopyrgus antipodarum* and *in vitro* assays
Mazurova, E.; Blaha, L.; Hilscherova, K.; Giesy, J. P.; Triebskorn, R.
- 12:30 – 12:50 *Potamopyrgus antipodarum* as a test organism for the assessment of endocrine active chemicals
Schmitt, Claudia; Bervoets, Lieven; De Deckere, Eric; Meire, Patrick

12:50 – 14:00 Lunch + AMS Systematics Committee meeting (open to anyone interested) in Lecture hall U 024

MOLLUSCS IN ECOTOXICOLOGICAL RESEARCH

Chair: Reinhard Dallinger

14:00 – 14:20 Estrogenic active compounds in bivalve molluscs: physiological role in reproductive development and potential for endocrine disruption?
Knigge, Thomas; Monsinjon, Tiphaine; Denier, Xavier; Labadie, Pierre; Peck, Mika R.; Trigwell, Jackie; Dussart, Georges; Puinean, Alin-Mirel; Rotchell, Jeanette; Hill, Elizabeth M.; Minier, Christophe

14:20 – 14:40 Cell and tissue-level biomarkers in slugs (*Arion ater*) are reliable tools for health assessment in soil ecosystems
Marigómez, Ionan; Castilla, Ane M.; Zaldibar, Beñat; Angulo, Eduardo; Soto, Manu

14:40 – 15:00 Does lead poison snails?
Beeby, Alan

15:00 – 15:20 Effects of Cd⁺ on the calcium metabolism and shell mineralization of bivalve *Anodonta cygnea*
Lopes-Lima, Manuel; Hinzmann, Mariana; Faubel, David; Machado, Jorge

15:20 – 16:10 Tea/Coffee

16:10 - 16:30 Assessing effects of heavy-metal pollution on short term growth and periodical growth patterns of *Protothaca thaca* (Mollusca: Veneridae) using calcein as a growth marker
Riascos, José M.; Saavedra, Rodrigo J.; Heilmayer, Olaf; Laudien, Jürgen; Guzman, Nury

16:30 – 16:50 Combined effects of tidal conditions and environmental contamination on the activities of antioxidant enzymes in *Mytilus edulis*
Letendre, Julie; Vince, Erwann; Budzinski, Hélène; Leboulenger, François; Durand, Fabrice

16:50 – 17:50 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) affects shell mineralization of the freshwater bivalve *Anodonta cygnea* L.
Barrias, Cláudia; Silva, Luís; Lemos, Carolina; Oliveira, Eduardo; Rebelo da Costa, Augusta

Curator's meeting - Lecture hall U 024

16:10 – 18:00 Contact Julia Sigwart

Lecture hall U -003 (Bioruimte)

16:30 – 17:30 Formal meeting of EQMal

Main hall of T building

18:00 – 20:00 POSTER SESSION IN MAIN HALL
(with juice, wine, Belgian beers and cheeses)

WEDNESDAY 18 JULY

WCM conference trips

All excursions will be led by a WCM-representative.

All trips start at the car parking in front of the congress site at Campus Groenenborger of the University of Antwerp. There will be three groups of buses waiting for you – one for the Brugge trip, one for the Bouillon trip and one for the Verdrongen Land van Saeftinghe + biking trip.

The three groups of buses will depart at different times; please make sure that you are in time for your trip! The WCM-representative for the trip will be waiting for you at the bus and their will be signs guiding you to the correct bus.

Please check the WCM conference trip information that was sent to you by email for more details.

Bus departures:

Brugge: 9:00 am at congress campus (WCM representative: Wim De Belder)

Saeftinghe: 9:30 am at congress campus (WCM representative: Lobke Dillen)

Castle of Bouillon / Monastery of Orval: 7:15 at Roosevelt Plaats (centre of Antwerp) or 7:30 am at the congress campus (WCM representatives: Hilde Vrijders, Vanya Prévot, Thierry Backeljau)

Biking tour: 9:30 am at the congress campus (WCM representative: Kurt Jordaens)

Lecture hall U -003 (Bioruimte)

EQMal: Workshop on Quaternary Mollusca.
Start: 10:00 am

People working on fossil (mostly non-marine) Mollusca from European Quaternary deposits often meet taxonomic problems that can hardly be solved by the use of existing literature that is mostly concerned with extant species. Along with its meetings EQMal often organizes workshops at which molluscan paleontologists can discuss these problems under the microscope. Anyone who wants to contribute and discuss matters of taxonomy, identification, stratigraphy, etc. is invited to attend the workshop. Those who intend to contribute to the workshop are asked to submit the topics and taxa they should like to discuss. Contact Tom Meijer (meijert@naturalis.nl)

THURSDAY 19 JULY

Lecture hall T 103

INVENTORYING THE MOLLUSCAN FAUNA OF THE WORLD: FRONTIERS AND PERSPECTIVES

Chair: Gary Rosenberg

- 09:00 – 09:20 Terrestrial malacofauna of Central Asia: results of more than 150 years of exploration
Muratov, Igor V.; Sysoev Alexander, V.
- 09:20 – 09:40 Inventories for the Dark Continent: compiling African checklists
Seddon, Mary; Rowson, Ben; Tattersfield, Peter; Lange, Charles; Ngereza, Christine
- 09:40 – 10:00 Exploring biodiversity in caves and limestone: an open window on Polynesia's lost paradise
Gargominy, Olivier; Fontaine, Benoît
- 10:00 – 10:20 Updating the gastropod fauna of the Northeastern Pacific
McLean, James H.
- 10:20 – 10:40 Bivalvia: Inventories and taxonomy in the Indian Ocean
Oliver, Graham P.
- 10:40 – 11:10 Tea/Coffee

INVENTORYING THE MOLLUSCAN FAUNA OF THE WORLD: FRONTIERS AND PERSPECTIVES

Chair: Graham Oliver

- 11:10 – 11:30 Is anything left to be discovered in the malacofauna of Western Europe?
Gofas, Serge
- 11:30 – 11:50 Malacological studies in a mega-diverse and poor country as Brazil
Simone, Luiz Ricardo L.
- 11:50 – 12:10 The need for an inventory of the world's molluscan fauna: a conservation perspective
Seddon, Mary; Cuttelod, Annabelle; Darwall, Will; Stuart, Simon
- 12:10 – 12:30 Towards a global taxonomic authority list for the Mollusca
Rosenberg, Gary
- 12:30 – 12:50 Expanding museum collections by indirect field work
Callomon, Paul

12:50 – 14:00 Lunch + AMS Conservation Committee meeting (open to anyone interested) in Lecture hall U 024 + General discussion Symposium
Inventorying the molluscan fauna of the world: frontiers and perspectives
in Lecture hall U 025

MICROMOLLUSCS: METHODOLOGICAL CHALLENGES, EXCITING RESULTS

Chair: Daniel Geiger

14:00 – 14:20 Collecting micromolluscs – the key to a good survey
Gofas, Serge

14:20 – 14:40 New techniques yield new insights on the basic biology of living
Microgastropods
Hickman, Carole S.

14:40 – 15:00 Small fossil gastropods: their meaning for phylogeny and diversity
Nützel, Alexander

15:00 – 15:20 Microgastropod population changes from the Late Cretaceous to recent in
the Gulf Coastal Plain of the USA
Garvie, Christopher, L.

15:20 – 15:40 Micromolluscs in Japan: recent findings and future subjects
Sasaki, Takenori

15:40 – 16:10 Tea/Coffee

MICROMOLLUSCS: METHODOLOGICAL CHALLENGES, EXCITING RESULTS

Chair: Bernhard Ruthensteiner

16:10 – 16:30 Diversity of microgastropod fauna in Northwestern Pacific: A case study
of Heterostrophans in Japan
Hasegawa, Kazunori

16:30 – 16:50 “Niku-nuki”, a useful method for preparation of shell-bearing molluscan
specimens
Fukuda, Hiroshi; Haga, Takuma; Tatara, Yuki

16:50 – 17:10 A phylogeny of the minute thyasirids (Bivalvia: Thyasiridae) based on
morphological investigations
Barry, Peter; McCormack, Grace

17:10 – 17:30 Digital imaging of micro bivalves
Turner, James A.; Oliver, Graham P.

17:30 – 17:50 The nervous system of Solenogastres – a confocal view
Todt, Christiane; Wanninger, Andreas

Theologisch Pastoraal Centrum (TPC) – Building R

19:00 – 21:00 Auction of the American Malacological Society at the Theologisch Pastoraal Centrum (TPC). Contact: Paula Mikkelsen

THURSDAY 19 JULY

Lecture hall T 105

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Carole Hickman

- 09:00 – 09:40 What molluscs can tell us about the genesis of biodiversity in ancient Lake Ohrid
Wilke, Thomas; Albrecht, Christian
- 09:40 – 10:00 A DNA-based phylogeny resolves divergent and convergent evolution of limpets (Lottiidae)
Ernisse, Douglas J.; Hewson, William E.; Kelly, Ryan P.
- 10:00 – 10:20 Reproduction, ecology and evolution of the Indo-Pacific limpet *Scutellastra flexuosa* (Quoy & Gaimard, 1834)
Lindberg, David R.
- 10:20 – 10:40 Evolution and biogeography of Southeast Asian viviparids (Gastropoda: Caenogastropoda)
Franke, Helena; Riedel, Frank; Glaubrecht, Matthias; Köhler, Frank; von Rintelen, Thomas
- 10:40 – 11:10 Tea/Coffee

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Thomas Wilke

- 11:10 – 11:30 Molluscan radiations and extinctions in Miocene Amazonian long-lived lake Pebas
Wesselingh, Frank P.
- 11:30 – 11:50 *Melanoides* from Lake Turkana: a documentation of speciation and case study for “punctuated equilibrium”?
Scholz, Henning; Glaubrecht, Matthias
- 11:50 – 12:10 The Turkana mollusks reconsidered: punctuational evolutionary events or biological invasions?
Van Bocxlaer, Bert; Van Damme, Dirk; Feibel, Craig S.
- 12:10 – 12:30 Punctuated equilibrium alive? How living Azorian *Drouetia* Gude, 1911 (Gastropoda: Pulmonata: Zonitidae) can tell a fossil story
Martins, António M. de Frias

12:30 – 12:50 The evolutionary adaptation of mollusks to deep-sea vents: insights from their fossil history
Kiel, Steffen

12:50 – 14:00 Lunch + AMS Conservation Committee meeting (open to anyone interested) in Lecture hall U 024

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Julia Sigwart

14:00 – 14:20 Molluscan mito-genomics: chances and pitfalls in phylogenetics
Steiner, Gerhard; Dreyer, Hermann

14:20 – 14:40 Land snails versus mammals: chromosomal neighbourhood of genes drives the „phylogenetic impact“ of DNA sequences
Armbruster, Georg F.J.

14:40 – 15:00 Does the size of molecular matrices really matter? Using molecular loci in ‘Archaeogastropod’ phylogenies
Aktipis, Stephanie W.; Giribet, Gonzalo

15:00 – 15:20 Hemocyanin: a 'respiratory' chance for molluscan phylogenetics
Lieb, Bernhard; Streit, Klaus

15:20 – 15:40 Crystallographic textures of shell layers in Patellogastropoda: a new tool unraveling their phylogeny
Frýda, Jiří; Sasaki, Takenori

15:40 – 16:10 Tea/Coffee

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Gerhard Steiner

16:10 – 16:30 Radiation and diversity of primitive living chitons – unravelling the base of the polyplacophoran family tree
Sigwart, Julia D.

16:30 – 16:50 A molecular phylogeny of apple snails (Gastropoda: Caenogastropoda: Ampullariidae) with emphasis on the African species
Jørgensen, Aslak; Kristensen, Thomas K.; Madsen, Henry

16:50 – 17:10 Molecular systematics and evolutionary patterns of diversification in New World Ampullariidae
Hayes, Kenneth A.

- 17:10 – 17:30 Germany's next top model? Towards a morphological phylogeny and evolution of acochlidian opisthobranch gastropods
Schrödl, Michael; Neusser, Timea
- 17:30 – 17:50 Phylogeny and systematics of the genus *Zonites* (Gastropoda, Pulmonata). The new era of systematics in the pulmonate molluscs
Mylonas, Moisis; Kornilios, Panagiotis; Poulakakis, Nikos;
Vardinoyannis, Katerina
- 17:50 – 18:10 Evolutionary relationships in the pulmonate stylommatophoran land snails and slugs
Hudelot, Cendrine; Fontanilla, Ian Kendrick; Mordan, Peter; Naggs, Fred;
Wade, Chris

Theologisch Pastoraal Centrum (TPC) – Building R

- 19:00 – 21:00 Auction of the American Malacological Society at the Theologisch pastoraal Centrum (TPC building R). Contact: Paula Mikkelsen

THURSDAY 19 JULY

Lecture hall T 129

SEXUAL SELECTION IN MOLLUSCS

Chair: Ronald Chase

- 09:00 – 09:20 Shell shape and mating behaviour in hermaphroditic gastropods (Mollusca, Pulmonata)
Jordaens, Kurt; Dillen, Lobke; Backeljau, Thierry
- 09:20 – 09:40 Sexual selection maintains whole-body chiral dimorphism in snails
Schilthuizen, Menno; Craze, Paul G.; Cabanban, Annadel S.; Davison, Angus; Stone, Jon; Gittenberger, Edmund; Scott, Bronwen J.
- 09:40 – 10:00 Effects of parasitic mites on behavior and life-history traits of their host, the land snail *Arianta arbustorum*
Schüpbach, Hans Ulrich; Baur, Bruno
- 10:00 – 10:20 Motivation to resist sex in a simultaneous hermaphrodite
Hoffer, Jeroen N.A.; Koene, Joris M.
- 10:20 – 11:10 Tea/Coffee

SEXUAL SELECTION IN MOLLUSCS

Chair: Joris Koene

- 11: 10 – 11:50 Sexual conflict and conflict resolution in hermaphroditic gastropods
Michiels, Nico K.
- 11:50 – 12:10 Sexual selection and its consequences in the Opisthobranchia
Anthes, Nils
- 12:10 – 12:30 Polyandrous mothers maximize hatchling size in the opisthobranch *Chelidonura sandrana*
Sprenger, Dennis; Anthes, Nils ; Michiels, Nico
- 12:30 – 12:50 Sexual selection and sex allocation in *Aplysia*: Hermaphrodites with nonreciprocal mating
Yusa, Yoichi
- 12:50 – 14:00 Lunch + AMS Conservation Committee meeting (open to anyone interested) in Lecture hall U 024

OPEN SESSION: MARINE ECOLOGY

Chair: Mark Davies

- 14:00 – 14:20 Inventoring the marine molluscan fauna of Guanahacabibes Peninsula Biosphere Reserve, Cuba
Caballer, Manuel; Ortea, Jesús; Espinosa, José; Fernández-Garcés, Raúl; Moro, Leopoldo
- 14:20 – 14:40 *Smaragdia viridis* (Gastropoda: Neritidae): A selective seagrass feeder
Rueda, José L.; Salas, Carmen; Gofas, Serge
- 14:40 – 15:00 Hard clams and harmful algae: Effects of brown tide on lipid stores in *Mercenaria mercenaria* larvae
Przeslawski, Rachel; Padilla, Dianna
- 15:20 – 15:40 The effect of diet on reproduction and energy storage in adult mussels *Mytilus galloprovincialis*
Fearman, Jo-Anne; Moltschaniwskyj, Natalie; Bolch, Chris
- 15:40 – 16:10 Tea/Coffee Reproductive strategies of cultivated and wild oysters, *Crassostrea gigas*, in relation to environmental variations in a high-turbidity intertidal mudflat (Bourgneuf, France)
Dutertre, Mickaël; Beninger, Peter G; Barillé, Laurent

OPEN SESSION: MARINE ECOLOGY

Chair: José Rueda

- 16:10 – 16:30 The evolution of co-operative behaviour: a virtual ‘experiment’ using high-shore snails as a model system
Davies, Mark S.; Stafford, Richard; Williams, Gray A.
- 16:30 – 16:50 Ecophenotypic variation in the mangrove oyster, *Isognomon alatus* (Pterioidea: Bivalvia) associated with a tide microhabitat gradient
Wilk, John
- 16:50 – 17:10 Evolutionary ecological aspects of the geographic variation in the intertidal gastropod, *Monetaria annulus* (family Cypraeidae)
Irie, Takahiro
- 17:10 – 17:30 Ecology and population dynamics of *Tridacna maxima* in Lakshadweep Archipelago, India
Apte, Deepak; Idrees, Babu

Theologisch Pastoraal Centrum (TPC) – Building R

- 19:00 – 21:00 Auction of the American Malacological Society at the Theologisch Pastoraal Centrum (TPC building R). Contact: Paula Mikkelsen

THURSDAY 19 JULY

Lecture hall T 148

ZOOGEOGRAPHY OF THE NON-MARINE MOLLUSKS OF THE EASTERN MEDITERRANEAN

Chair: Aydın Örstan

- 09:00 – 09:20 Morphological and shell quality natural population diversity of the edible snail (*Helix aspersa* M.), in southern Hellas
Malandrakis, E. E.; Gogas, A.; Hatziioannou, M.; Panagiotaki, P.; Lazaridou-Dimitriadou, M.; Neofitou, C.; Exadactylos, A.
- 09:20 – 09:40 Remote islands of the Aegean. The island of Psara as a case study
Vardinoyannis, Katerina; Georgantis, Panagiotis; Mylonas, Moisis
- 09:40 – 10:00 The Clasuiliidae fauna (Gastropoda: Pulmonata: Stylommatophora) of the Lakes Region (Göller Bölgesi) in Türkiye
Gümüş, Burçin Aşkım; Yıldırım, M. Zeki
- 10:00 – 10:20 *Graecoanatolica* (Radoman, 1973) (Rissooidea: Hydrobiidae) species of Turkey
Yıldırım, M. Zeki; Koca, Seval; Kebapçı, Ümit
- 10:20 – 10:40 A new land snail zoogeography of Turkey derived from the distribution ranges of endemic species
Örstan, Aydın
- 10:40 – 11:10 Tea/Coffee

ZOOGEOGRAPHY OF THE NON-MARINE MOLLUSKS OF THE EASTERN MEDITERRANEAN

Chair: Burçin Aşkım Gümü

- 11:10 – 11:30 Mapping the biodiversity of land snails in Turkey: A preliminary study of hotspot analysis
Kebapçı, Ümit; Yıldırım, M. Zeki
- 11:30 – 11:50 Can response to water flow explain the distributions of extant and extinct aquatic *Melanopsis* spp. in the Jordan valley?
Dussart, G.; Heller, J.; Dussart, A.
- 11:50 – 12:50 General discussion
- 12:50 – 14:00 Lunch + AMS Conservation Committee meeting (open to anyone interested) in Lecture hall U 024

OPEN SESSION: FRESHWATER MOLLUSCS

Chair: Bert Van Bocxlaer

- 14:00 – 14:20 Freshwater Hydrobiidae of Morocco (Mollusca: Gastropoda):
Inventory and preliminary red list at regional level
Ghamizi, Mohamed
- 14:20 – 14:40 Freshwater snail diversity of Grande Island, Angra dos Reis, Rio de
Janeiro, southeastern Brazil
Santos, Sonia B.; Myiahira, Igor C.; Lacerda, Luiz Eduardo M.
- 14:40 – 15:00 A brief insight into the species-area relationships of spring fen mollusc
communities
Cernohorsky, Nicole; Horsák, Michal
- 15:00 – 15:20 Predicting the effects of a habitat restoration project on population
viability of one threatened and one endangered lotic gastropod
Arrington, Tristan; Richards, David
- 15:20 – 15:40 The impact of urbanisation on freshwater gastropods of L. Jipe, Kenya
Lange, Charles N.; Kristensen, Thomas K.
- 15:40 – 16:10 Tea/Coffee

OPEN SESSION: OPISTHOBRANCH SYSTEMATICS AND PHYLOGENY

Chair: Terrence Gosliner

- 16:10 – 16:30 Phylogeny of Aeolidacea (Gastropoda: Nudibranchia)
Alejandrino, Alvin
- 16:30 – 16:50 Molecular phylogeny as a lens for examining morphology and
biogeography: Examples from the chromodorid nudibranchs
Johnson, Rebecca Fay
- 16:50 – 17:10 Updating the knowledge about the family Bornellidae (Mollusca,
Nudibranchia, Dendronotina): Systematics and preliminary phylogeny
based on morphological characters
Pola, Marta; Gosliner, Terrence M.
- 17:10 – 17:30 Two new species of *Phyllodesmium* (Ehrenberg 1831) and a discussion of
their placement within the phylogeny
Moore, Elizabeth; Gosliner, Terrence
- 17:30 – 17:50 Biogeographic relationships among benthic opisthobranchs in the Atlantic
Calado, Gonçalo; Coelho, Rita

Theologisch Pastoraal Centrum (TPC) – Building R

19:00 – 21:00 Auction of the American Malacological Society at the Theologisch Pastoraal Centrum (TPC building R). Contact: Paula Mikkelsen

THURSDAY 19 JULY

Lecture hall U 024

OPEN SESSION: BIVALVE TAXONOMY

Chair: John Taylor

- 09:00 – 09:20 How many unionoid taxa live in the western Palearctic?
Araujo, Rafael; Toledo, Carlos; Nagel, Karlo; Reis, Joaquim; Machordom, Annie
- 09:20 – 09:40 Coral boring bivalve mollusks of Southeastern Thailand
Valentich-Scott, Paul
- 09:40 – 10:00 Spermatozoan morphologies of some species of marine bivalves: aspects of taxonomic and ecological relevance
Orlandi Introini, Gisele; Recco-Pimentel Shirlei Maria
- 10:00 – 10:20 The European bivalve *Nucula nucleus* (LINNAEUS) and its alleged fossil record – an example for what we really know about the fossil history of our recent fauna
Janssen, Ronald
- 10:20 – 10:40 A remarkable new genus of sessile, predatory septibranch bivalves
Leal, José H.
- 10:40 – 11:10 Tea/Coffee

OPEN SESSION: MOLECULAR PHYLOGENY OF BIVALVES

Chair: Emily Glover

- 11:10 – 11:30 Are morphological and molecular perspectives of anomalodesmatan phylogeny reconcilable?
Sartori, André F.; Harper, Elizabeth M.
- 11:30 – 11:50 A molecular phylogeny of heterodont bivalves (Bivalvia: Heterodonta): new analyses of 18S rRNA and 28S rRNA genes
Taylor, John D.; Williams, Suzanne T.; Glover, Emily A.; Dyal, Patricia
- 11:50 – 12:10 Identification of several members of Hox and paraHox genes in heteroconch bivalves
Samadi, Leyli; Steiner, Gerhard
- 12:10 – 12:30 Advances in veneroidean systematics - A status report
Bieler, Rüdiger; Mikkelsen, Paula M.; Kappner, Isabella; Rawlings, Timothy A.; Sartori, André F.; Pintrakoon, Cheewarat; Healy, John M.

- 12:30 – 12:50 Phylogenetics of the Pectinidae: Sexual reproductive modes and the evolution of adult dispersal behaviour
Puslednik, Louise; Serb, Jeanne
- 12:50 – 13:10 Molecular taxonomy of sunken-wood associated Bathymodiolinae: implications for phylogeny at sub-family level
Lorion, Julien; Samadi, Sarah; Boisselier, Marie-Catherine
- 13:10 – 14:00 Lunch + AMS Conservation Committee meeting (open to anyone interested) in Lecture hall U 024

Program continued in other lecture halls

Theologisch Pastoraal Centrum (TPC) – Building R

- 19:00 – 21:00 Auction of the American Malacological Society at the Theologisch Pastoraal Centrum (TPC building R). Contact: Paula Mikkelsen

FRIDAY 20 JULY

Lecture hall T 103

MICROMOLLUSCS: METHODOLOGICAL CHALLENGES, EXCITING RESULTS

Chair: Martin Haase

- 09:00 – 09:40 Soft part 3D visualization by computer reconstruction of serial sections
Ruthensteiner, Bernhard
- 09:40 – 10:00 Opisthobranchs go limnic: comparative 3D microanatomy of the marine interstitial acochlidian *Pseudunela* and the freshwater *Strubellia* from Vanuatu
Neusser, Timea P.; Schrödl, Michael
- 10:00 – 10:20 Sex in the beach: reproduction of the aphyllid, interstitial *Pontohedyle milaschewitchii* (Acochlidia, Opisthobranchia)
Jörger, Katharina M.; Heß, Martin; Schrödl, Michael
- 10:20 – 10:40 Skeneimorph gastropods in Neomphalida and Vetigastropoda
Kunze, Thomas; Beck, Friedericke; Brückner, Martin; Heß, Martin; Ruthensteiner, Bernhard; Haszprunar, Gerhard
- 10:40 – 11:10 Tea/Coffee

MICROMOLLUSCS: METHODOLOGICAL CHALLENGES, EXCITING RESULTS

Chair: Jackie Van Goethem

- 11:10 – 11:30 The evolution of small body size in Vetigastropoda
Geiger, Daniel L.; Thacker, Christine E.
- 11:30 – 11:50 Diversity of sub-antarctic and antarctic Scissurellidae and Anatomidae (Gastropoda: Vetigastropoda): Consequences for the region's biogeography
Zelaya, Diego G.; Geiger, Daniel L.
- 11:50 – 12:10 Analysing speciation patterns – lessons from rissoid and hydrocenid gastropods calling for the integration of methodologies
Haase, Martin
- 12:10 – 12:30 *Vertigo geyeri* in a lowland Irish fen - asking the right questions and getting the answers
Moorkens, E.A.

- 12:30 – 12:50 Micro-molluscs of the Western Ghats: Distribution and threats
Aravind, Neelavar Ananthram; Patil, Rajashekhar K.; Madhyastha,
Neelavar Ananthram
- 12:50 – 14:00 Lunch + AMS Students Meeting (open to anyone interested) in Lecture
hall U 024

**MICROMOLLUSCS: METHODOLOGICAL CHALLENGES, EXCITING
RESULTS**

Chair: Evelyn Moorkens

- 14:00 – 14:20 Contrasting distribution patterns of microsnails and macrogastropods of
forest in Tenerife, Canary Islands
Kappes, Heike; Ibáñez, Miguel; Alonso, Maria R.
- 14:20 – 14:40 Sampling micromolluscs on tropical limestone karsts: high sampling
efficiencies and novel biogeographical patterns
Clements, Reuben
- 14:40 – 15:00 Mapping subterranean microsnails: sampling methods and
hydrogeological implications
Prié, Vincent
- 15:00 – 15:40 General discussion
- 15:40 – 16:10 Tea/Coffee

Lecture hall T 103

- 16:10 – 17:10 Unitas General Meeting. Chair: Thierry Backeljau
- 17:10 – 18:10 American Malacological Society General Meeting. Chair: Paula
Mikkelsen
- 20:00 – ????? Congress Dinner at ‘Grand Café Horta’

FRIDAY 20 JULY

Lecture hall T 105

MOLLUSCS AS MODELS IN EVOLUTIONARY BIOLOGY: FROM LOCAL SPECIATION TO GLOBAL RADIATION

Chair: Matthias Glaubrecht

- 09:00 – 09:20 An integrative approach identifies developmental sequence heterochronies in freshwater basommatophoran snails
Smirthwaite, Jennifer J.; Rundle, Simon D.; Bininda-Emonds, Olaf R.P.; Spicer, John I.
- 09:20 – 09:40 Developmental constraint and stabilizing selection against left-right reversal in snails
Asami, Takahiro; Utsuno, Hiroki; Gittenberger, Edmund
- 09:40 – 10:00 Genetic basis of adaptive evolution of left-right reversal under developmental constraint
Utsuno, Hiroki; Asami, Takahiro
- 10:00 – 10:20 Non-reciprocal hybridization against asymmetric introgression of mtDNA in Snails
Wiwegweaw, Amporn; Asami, Takahiro
- 10:20 – 10:40 Simultaneous ambivalent reproductive strategy in the sessile gastropod *Vermetus rugulosus* Monterosato, 1878 (Gastropoda: Prosobranchia)
Scuderi, Danilo; Cantone, Grazia
- 10:40 – 11:10 Tea/Coffee

OPEN SESSION: GENERAL TAXONOMY AND PHYLOGENY

Chair: Luitfried Salvini-Plawen

- 11:10 – 11:30 What's happening with (species names in) the PhyloCode?
Dayrat, Benoît
- 11:30 – 11:50 When is a species a species? Utilizing the fossil record to investigate the morphological disparity and taxonomic affinity of extant shell shapes within the bivalve genus *Cucullaea*
Buick, Devin P.
- 11:50 – 12:10 Sessile snails, mobile genes: Mitochondrial gene dynamics within the worm-snail family Vermetidae
Rawlings, Timothy A.; Collins, Timothy M.; Bieler, Rüdiger

- 12:10 – 12:30 Comparative anatomy of soft-body characters of Caudofoveata with emphasis on the nervous system
Redl, Emanuel; Salvini-Plawen, Luitfried
- 12:30 – 12:50 *Rissoa panhormensis* (Gastropoda: Rissoidae) morphotypes analysis vs species identity
Criscione, Francesco; Scuderi, Danilo; Patti, Francesco Paolo
- 12:50 – 14:00 Lunch + AMS Students Meeting (open to anyone interested) in Lecture hall U 024

Lecture hall T 103

- 16:10 – 17:10 Unitas General Meeting. Chair: Thierry Backeljau
- 17:10 – 18:10 American Malacological Society General Meeting. Chair: Paula Mikkelsen
- 20:00 – ????? Congress Dinner at ‘Grand Café Horta’

FRIDAY 20 JULY

Lecture hall T 129

SEXUAL SELECTION IN MOLLUSCS

Chair: Janet Leonard

- 09:00 – 09:20 A bioassay to identify the active molecule in the dart gland mucus
Chase, Ronald; Darbyson, Emily; Nagle, Gregg
- 09:20 – 09:40 Mating behaviour and spermathecal morphology in populations of the simultaneously hermaphroditic land snail *Helix aspersa*
Garefalaki, M.E.; Koemtzopoulos, E.; Kalyva S.; Staikou, A.
- 09:40 – 10:00 Sperm transfer and sperm digestion in the land snail *Succinea putris* (Gastropoda, Pulmonata, Succineidae)
Dillen, Lobke; Jordaens, Kurt; Backeljau, Thierry
- 10:00 – 10:20 Sperm storage organ evolution in the carrefour of stylommatophoran gastropods
Beese, Kathleen; Armbruster, Georg F. J.; Beier, Konstantin; Baur, Bruno
- 10:20 – 10:40 Sperm precedence and lifetime fecundity of *Deroceras panormitanum*
Reise, Heike; Sauer, Josefine; Matthieu, Christiane; Matton, Sabrina; Hutchinson, John M.C.
- 10:40 – 11:10 Tea/Coffee

SEXUAL SELECTION IN MOLLUSCS

Chair: Nico Michiels

- 11: 10 – 11:30 Evidence for sexual selection in *Ariolimax* species Stylommatophora: Arionidae
Leonard, Janet L.; Pearse, John S.; Turner, M.Q.; Diep, P.J.; Breugelmans, Karin; Backeljau, Thierry
- 11:30 – 11:50 Sex and systematics in the Streptaxidae (Pulmonata: Stylommatophora)
Rowson, Ben
- 11:50 – 12:10 Extreme length development of the penis in the terrestrial slug genus *Limax*: a case of sexual selection? (Gastropoda: Limacidae)
Falkner, Gerhard Klee, Barbara
- 12:10 – 12:30 Evolution of spermatophore ornamentation in the land snail genus *Thapsia* (Stylommatophora, Helicarionoidea): a role for sexual selection?
de Winter, Anton. J.

- 12:30 – 12:50 Threshold dimorphism in ejaculate characteristics associated with alternative reproductive behaviours in the squid *Loligo bleekeri*
Yoko, Iwata; Yasunori, Sakurai
- 12:50 – 13:10 Male-male and male-female agonistic behavior of *Abdopus aculeatus*
Huffard, Christine L.; Caldwell, Roy L.; Boneka, Farnis
- 13:10 – 14:00 Lunch + AMS Students Meeting (open to anyone interested) in Lecture hall U 024

OPEN SESSION: DEEP SEA MOLLUSCS

Chair: Julien Lorion

- 14:00 – 14:20 Importance of Cretaceous methane-seep associations in Japan for deciphering the evolution of chemosynthesis-based communities
Kaim, Andrzej; Jenkins, Robert G.; Hikida, Yoshinori; Tanabe, Kazushige
- 14:20 – 14:40 The molluscan fauna of a deep-water coral community at Rockall Bank (NE Atlantic)
Lavaleye, Marc; Duineveld, Gerard; Schulting, Sanne
- 14:40 – 15:00 Oyster beds in the deep sea
Gofas, Serge; Freiwald, André; López Correa, Matthias; Remia, Alessandro; Salas, Carmen; Taviani, Marco; Wisshak, Max; Zibrowius, Helmut
- 15:00 – 15:20 What happens when it gets dark? Biology of deep-sea nudibranch gastropod species and nocturnal behaviour
Valdés, Ángel
- 15:20 – 15:40 Deep-sea squid behavior: posing in the dark
Bush, Stephanie L.
- 15:40 – 16:10 Tea/Coffee

Lecture hall T 103

- 16:10 – 17:10 Unitas General Meeting. Chair: Thierry Backeljau
- 17:10 – 18:10 American Malacological Society General Meeting. Chair: Paula Mikkelsen
- 20:00 – ????? Congress Dinner at ‘Grand Café Horta’

FRIDAY 20 JULY

Lecture hall T 148

BIODIVERSITY AT CROSSROADS: FRESHWATER BIVALVES FROM MASS EXTINCTION TO GLOBAL INVASION

Chair: Cristian Altaba

- 09:00 – 09:20 Freshwater bivalve biodiversity: new insights into ecology, biogeography and conservation
Altaba, Cristian R.
- 09:20 – 10:00 A time to kill and a time to heal: Eradication of the Zebra mussel and restoration of native mussels to improve water quality in the USA
Neves, Richard J.
- 10:00 – 10:20 Biodiversity and conservation of freshwater molluscs in the Plateau Lakes of Yunnan Province, SW China
Aldridge, David C.
- 10:20 – 10:40 Identification and genetic characterization of new populations of the endangered winged mapleleaf, *Quadrula fragosa*
Hemmingsen; Amanda H.; Serb, Jeanne M.
- 10:40 – 11:10 Tea/Coffee

BIODIVERSITY AT CROSSROADS: FRESHWATER BIVALVES FROM MASS EXTINCTION TO GLOBAL INVASION

Chair: Ian Killeen

- 11:10 – 11:30 Phylogeographical differentiation of Iberian populations of freshwater pearl mussel (*Margaritifera margaritifera*) based on microsatellites data
Toledo, Carlos; Machordom, Annie; Araujo, Rafael
- 11:30 – 11:50 Taxonomy and phylogenetic relationships of Nicaraguan freshwater mussels (Bivalvia: Unionidae)
Roe, Kevin J.; Robinson, Stephen; Lopez de la Fuente, Adolfo
- 11:50 – 12:10 A morphologic, ecologic and molecular analysis of the freshwater mussels (Bivalvia: Unionidae) from Portugal (western Iberian Peninsula)
Reis, Joaquim; Machordom, Annie; Araujo, Rafael
- 12:10 – 12:30 Complementarity within a functional group of filter-feeding freshwater mussels influences stream foodwebs
Vaughn, Caryn C.; Spooner, Daniel E.; Galbraith, Heather S.
- 12:30 – 14:00 Lunch + AMS Students Meeting (open to anyone interested) in Lecture hall U 024

**BIODIVERSITY AT CROSSROADS: FRESHWATER BIVALVES FROM MASS
EXTINCTION TO GLOBAL INVASION**

Chair: Richard Neves

14:00 – 14:20 The value of analyzing *Pisidium* faunas
Killeen, Ian

14:20 – 14:40 *Sphaerium corneum*, *Sphaerium nucleus* (Bivalvia: Sphaeriidae) and
difficulties with determination and taxonomy of Sphaeriidae
Kořínková, Tereza; Juříčková, Lucie; Petrusek, Adam

14:40 – 15:40 General discussion

15:40 – 16:10 Tea/Coffee

Lecture hall T 103

16:10 – 17:10 Unitas General Meeting. Chair: Thierry Backeljau

17:10 – 18:10 American Malacological Society General Meeting. Chair: Paula
Mikkelsen

20:00 – ????? Congress Dinner at ‘Grand Café Horta’

SATURDAY 21 JULY

Lecture hall U 024

IUCN SSC Specialist Group meeting on a Global Freshwater Initiative 21st July 2007
Convened by the IUCN SSC Mollusc Specialist Group - Contact: Mary Seddon

Global Molluscan Assessment Workshop

This is open to all interested in assessing the conservation status of Molluscs using the IUCN Categories and Criteria and using the IUCN Species Information Service Data Entry Module. No registration fee will be charged.

- 09:30 – 09:45 Welcome to IUCN Mollusc Specialist Workshop;
an overview of the Global Mollusc Assessment proposal.
Mary Seddon & Annabelle Cuttelod (IUCN Mediterranean Office)
- 09:45 – 11:00 An introduction to using the IUCN Categories and Criteria (version 3.1)
for Mollusca.
Mary Seddon (based on IUCM training programme)
- 11:00 – 11:15 Coffee/Tea
- 11:15 – 12:00 Questions and Answers session about using SIS DEM module & IUCN
Categories and Criteria.
- 12:00 – 13:00 Open discussion forum about a establishing a Global Assessment
programme for Mollusca.
- 13:00 – 14:00 Lunch
- 14:00 – 14:15 The African project: lessons learned and overview of results.
- 14:15 – 14:30 North American Assessment project progress.
- 14:30 – 17:00 Potential breakout groups:
Breakout group 1: North African Interim Assessments: closed session for
current participants.
Breakout group 2: Mediterranean Assessment; open session for those
interested in contributing data and species assessments for a Mediterranean
Assessment.
Breakout group 3: Freshwater Assessments: open session working
through examples of how to make a Red List assessment.
Breakout group 4: Rest of African Assessment; open session for those
interested.

POSTERS

In alphabetical order of the first author. Symposium specific posters and related 'open session' posters will be displayed per symposium.

Land snails microcosm preserved: Good news from Mayotte, Comoro Islands
Abdou, Ahmed; Bouchet, Philippe; Muratov, Igor (POSTER 88)

Allometric growth of *Mytella charruana* (Bivalvia: Mytilidae) based on information-theory approach
Abrahão, Jolnnye R.; MacCord, Fábio S.; Yokoyama, Leonardo Q.; Amaral, A. Cecília Z. (POSTER 56)

Are there still rivers suitable for threatened unionid bivalves in Poland (Central Europe)?
Abraszewska, Anna (POSTER 42)

Evolution and biogeography of ancient freshwater pulmonate gastropods: the limpet family Acroloxidae (Hygrophila)
Albrecht, Christian; Shirokaya, Alena A.; Prozorova, Larisa, A.; Ellis, Bonnie K.; Wilke, Thomas (POSTER 149B)

The subfamilies Margaritinae and Calliostomatinae from South Shetlands Island to Bellinghausen Sea: species diversity and unknown identities
Aldea, Cristian; Zelaya, Diego G.; Troncoso, Jesús S. (POSTER 106)

Biodiversity and conservation of freshwater molluscs in the Plateau Lakes of Yunnan Province, SW China
Aldridge, David C. (POSTER 107B)

Fossil vesicomyid bivalves from the North Pacific region
Amano, Kazutaka; Kiel, Steffen (POSTER 120)

Ultrastructural study of the spermatogenesis of a protandric neogastropod, *Coralliophila meyendorffii* (Muricidae, Coralliophilinae)
Amor, Maria Jose; Richter, Alexandra; Montserrat, Ramón; Dufort, Mercedes (POSTER 101)

Effects of temperature on metabolism and growth in *Protothaca thaca* (Mollusca: Veneridae)
Avalos, Cecilia; Vargas, Cristina; Riascos, José M.; Heilmayer, Olaf (POSTER 52A)

Ongoing renovations in the Department of Malacology at the Museum of Comparative Zoology (Harvard University)
Baldinger, Adam J. (POSTER 190)

- 3D microanatomy of *Omalogyra atomus* (Gastropoda, Omalogyridae)
 Bäumler, Natalie; Zerneck, Rebekka; Haszprunar, Gerhard; Ruthensteiner, Bernhard
 (POSTER 20)
- Testing the glacial refugia hypothesis in spring snails (*Bythinella* spp.)
Benke, Mandy; Brändle, Martin; Albrecht, Christian; Wilke, Thomas (POSTER 127)
- Spatio-temporal and biomass dynamics of *Corbicula fluminea*, an invasive mussel in the
 Hungarian Danube section
Bódis, Erika; Hornung, Erzsébet; Nosek, János; Oertel, Nándor (POSTER 43)
- Anatomy of the genital system of *Eubbranchus vittatus* (Alder & Hancock, 1842)
 (Gastropoda, Nudibranchia, Eubbranchidae)
Botana, Alba G.; Ugorri, Victoriano; Señarís, Marcos P.; Díaz-Agras, Guillermo; Corral,
 Eva; Moreira, Juan (POSTER 183)
- Atlas and red list of the terrestrial and freshwater molluscs of Castilla La Mancha
 (Spain): Distribution and conservation
 Bragado, M. Dolores; Aparicio, M. Teresa; Araujo, Rafael (POSTER 107A)
- Keyhole limpets of the genus *Fissurella* (Archaeogastropoda: Vetigastropoda) in Chilean
 coasts
 Bretos, Marta; Huaquín, Laura; Osorio, Cecilia; Bahamondes-Rojas, Ingrid (POSTER
 108)
- Molecular phylogeny of the terrestrial slug genus *Arion* (Gastropoda, Pulmonata,
 Arionidae)
Breugelmans, Karin; Jordaens, Kurt; Van Houtte, Natalie; Pinceel, Jan; Backeljau,
 Thierry (POSTER 6)
- Distribution of terrestrial land snails in Nepal
Budha, Prem B.; Backeljau, Thierry; Naggs Fred (POSTER 89)
- Using the PAM-technology as a tool to investigate the symbiosis between
 „solarpowered“ Nudibranchia (Gastropoda, Opisthobranchia) and Zooxanthellae
 (Dinophyceae)
Burghardt, Ingo (POSTER 128)
- Discrimination of end-Cretaceous anodontine Unionoidea from North Dakota:
 How many taxa make sense?
Burton-Kelly, Matthew; Hartman, Joseph H. (POSTER 153)
- Molecular and morphological taxonomy of gastropods from south-east Pacific seamounts
Castelin, Magalie; Samadi, Sarah; Boisselier, Marie-Catherine; Lozouet, Pierre (POSTER
 109)
- Gastropods of Davraz Mountain
Ceylan, Salih; Kebapçı, Ümit; Yıldırım, M. Zeki; Gümüş, Burçin Aşkın (POSTER 19)

The Santa Barbara Museum of Natural History (California, USA):
Upgrade of research and collection facilities for the 21st Century
Chaney, Henry W.; Carpenter, Shannon; Geiger, Daniel L.; Hochberg, F. G.; Sadeghian,
Patricia; Valentich-Scott, Paul (POSTER 191)

Unravelling a taxonomic tangle and a morphological mystery: A molecular phylogeny of
the Rapaninae (Neogastropoda: Muricidae)
Claremont, Martine; Reid, David G.; Williams, Suzanne T. (POSTER 129)

Reproductive traits of *Crepidula aculeata* (Gastropoda: Calyptraeidae) from Argentina
Cledón, Maximiliano; Ocampo, Emiliano; Farias, Nahuel; Penchaszadeh, Pablo
(POSTER 57)

Molecular phylogenetics of the land snail genus *Anguispira* (Pulmonata: Discidae)
Clutts, Stephanie A.; Anderson, Frank E. (POSTER 164)

Phylogeography and evolutionary origins of Florida's native Apple snail, *Pomacea
paludosa*
Collins, Timothy M.; Rawlings, Timothy A.; Choquette, Duane M. (POSTER 173)

Patchy distribution of the (TTAGGG)_n telomeric repeat motif in Mollusca
Colomba, Mariastella; Libertini, Angelo; Gregorini, Armando; Vitturi, Roberto
(POSTER 150)

Chromosome numbers and chromosomal evolution in the land snail genus *Arion*
(Gastropoda, Pulmonata)
Colomba, Mariastella; Backeljau, Thierry; Gregorini, Armando; Jordaens, Kurt
(POSTER 174)

Mollusca of the subfamily Emarginulinae (Gastropoda, Prosobranchia, Fissurellidae) from
the french campaign Seamount II
Corral, Eva; Urgan, Victoriano; Botana, Alba G.; Señarís, Marcos P.; Díaz-Agras,
Guillermo; Candás, María (POSTER 58)

A conservational approach over Azorean terrestrial molluscs
Cunha, Regina; Rodrigues, Pedro; Martins, António M. de Frias (POSTER 90)

Freshwater molluscs threat assessments in Africa
Cuttelod, Annabelle; Seddon, Mary; Darwall, Will; Smith, Kevin (POSTER 110)

Genetic and morphological variability in fluvial species of *Tylomelania*
(Caenogastropoda: Pachychilidae) from Southwest Sulawesi, Indonesia
Dames, Claudia; Glaubrecht, Matthias; von Rintelen, Thomas (POSTER 130)

Spanish lower cretaceous freshwater molluscs
Delvene, Graciela; Araujo, Rafael; Bermúdez-Rochas, David D. (POSTER 131)

Natural history of *Doto koenneckeri* Lemche, 1976 (Gastropoda, Nudibranchia, Dendronotacea) in the Ría of Ferrol (NW Iberian Peninsula)
Díaz-Agras, Guillermo; Ugorri, Victoriano; Corral, Eva; Botana, Alba G.; Señarís, Marcos P. & Candás, María (POSTER 59)

Effects of isolation and body size on the mating behaviour of the hermaphroditic land snail *Succinea putris* (Gastropoda, Pulmonata, Succineidae)
Dillen, Lobke; Jordaens, Kurt; Backeljau, Thierry (POSTER 5)

Invasive freshwater species *Sinanodonta woodiana* (Lea, 1834) (Bivalvia: Unionidae): a colonizer of the channels of Międzyodrze area (Western Pomerania Region, N-W Poland)
Domagała, Józef, Łabecka, Anna Maria, Migdalska, Blandyna, Pilecka-Rapacz, Małgorzata (POSTER 78)

The relationship between age and shell length in freshwater pearl mussels (*Margaritifera margaritifera*) from Sweden
Dunca, Elena; Söderberg, Håkan; Mutvei, Harry; Norgrann, Oskar (POSTER 188)

Anatomy, distribution, and ecology of the slug *Arion alpinus* Pollonera, 1887 (Gastropoda: Arionidae)
Dvořák, Libor; Backeljau, Thierry; Reischütz, Peter L.; Horsák, Michal; Breugelmans, Karin; Jordaens, Kurt (POSTER 8)

Phylogenetic relationships and evolution of *Iberus* species based on mtDNA sequences
Elejalde, M. Arantzazu; Madeira, María José; Muñoz, Benito; Arrébola, Jose Ramón; Gómez-Moliner, Benjamín J. (POSTER 132)

Inherited flesh colour in edible snails
Elmslie, Leslie J. (POSTER 85)

Seasonal foraging activity during spring and neap tide in *Patella ferruginea*
Espinosa, Free; Rivera-Ingraham, Georgina; García-Gómez, Jose Carlos (POSTER 52B)

First case of the radular-less representatives of the subfamily Crassispirinae (Turridae) with critical reassessment of the taxonomic status of the subfamily Zemaciinae (Turridae)
Fedosov, Alexander (POSTER 99)

Molecular Morphology of 18S rDNA of Bivalvia
Feistel, Sussane; Haszprunar, Gerhard (POSTER 176)

Phylogeny and morphological variability in land snails: the Sicilian *Marmorana* (Pulmonata, Helicidae)
Fiorentino, Viviana; Salomone, Nicola; Manganelli, Guisepppe; Giusti, Folco (POSTER 133)

Land snail conservation in the Gabonese rainforest: Single large or single small?
Fontaine, Benoît; Gargominy, Olivier (POSTER 111)

A challenge to the relationships of “*Omphalotropis*” (Caenogastropoda: Assimineidae)
Fukuda, Hiroshi; Ponder, Winston F. (POSTER 154)

Interference competition in the suspension feeding *Dendropoma maxima*: optimal foraging or an unresolved prisoner’s dilemma?

Gagern, Antonius; Michiels, Nico K.; Anthes, Nils (POSTER 60)

Documenting the past: The Tomlin Archive

Gallichan, Jennifer (POSTER 192)

New species of proneomenidae (Mollusca: Solenogastres) from Western Antarctica
García-Álvarez, Oscar; Zamarro, María; Gil-Mansilla, Esther; Urgorri, Victoriano (POSTER 75)

Using an electron microscopy shell morphometry in identifying the Weichselian *Pupilla muscorum* and *Pupilla triplicata* species from the loess series of Vojvodina (Serbia)

Gaudenyi, Tivadar; Jovanovic, Mladjen (POSTER 29)

Extreme variability in the radula of Anatomidae (Gastropoda: Vetigastropoda)

Geiger, Daniel L.; Sasaki, Takenori (POSTER 21)

Giustia n.gen. (Gastropoda: Hydrobiidae) a new genus of the groundwater micromollusks of Morocco

Ghamizi, Mohamed; Bodon, Marco (POSTER 22)

New genus of Acanthomeniidae (Mollusca: Solenogastres) from the Abyssal Angola Basin

Gil-Mansilla, Esther; Zamarro, María; García-Álvarez, Oscar; Urgorri, Victoriano (POSTER 74)

Marine bivalves shell shape stabilization and reproduction

Gil, Guacira Maria; Thomé, José Willibaldo; Gomes, Suzete Rodrigues; Troncoso, Jesús Souza (POSTER 187)

Sperm morphology in three marine gastropods from South Western Atlantic Ocean (Caenogastropoda): Systematic importance

Giménez, J.; Arrighetti, F.; Teso, S.; Zabala, S.; Hermida, G.; Penchaszadeh, P. (POSTER 98)

An improved method for the identification of areas of endemism using species co-occurrences

Giokas, Sinos; Sfenthourakis, Spyros (POSTER 13)

Micro-CT—3D analysis of molluscan anatomy

Golding, Rosemary E.; Jones, Allan S. (POSTER 23)

The Gondwanan origin of Veronicellidae (Gastropoda, Soleolifera): evidences from a cladistic morphological analysis

Gomes, Suzete R.; Mendes, Inga L.V.; Thomé, José W. (POSTER 155)

Molecular phylogeny of the Helicodontidae and Trissexodontidae genera and their taxonomic position within Helicoidea
Gómez-Moliner, Benjamín J.; Elejalde, M. Arantzazu; Madeira, María José; Martínez-Ortí, Alberto; Arrébola, José Ramón; Muñoz, Benito; Puente, Ana Isabel (POSTER 135)

Genetic diversity of an exploited population of banded Murex, *Hexaplex (Trunculariopsis) trunculus*: Implications for stock enhancement and conservation
González-Tizón, Ana; Fernández-Moreno, Mercedes; Vasconcelos, Paulo; Gaspar, Miguel B; Moreno-Escalante, Óscar; Martínez-Lage, Andrés (POSTER 136)

Evolution of the molluscan assemblage on a seagrass meadow (*Zostera marina*) affected by trawling activity
González, Alexandre R.; Maestre, Manuel J.; Ruiz, Aurora; Gordillo, Ismael; Sánchez, Emilio; García-Gómez, José C. (POSTER 61)

Taxonomic and systematic study of the Families Helicinidae and Ceresidae (Mollusca: Gastropoda: Neritopsina) and the Genus *Drymaeus* (Gastropoda: Pulmonata: Bulimulidae) in three zones of the Reserve Amazonic in Peru
Guevara Muñoz, Samira (POSTER 165)

Pupilloidean snails of Göller Bölgesi (Lakes Region) Turkey
Gülboy, Hatice; Kebapçı, Ümit; Yıldırım, M. Zeki (POSTER 14)

Land snails from a hidden beauty: Afrodisyas (Karacasu: Aydın) in Türkiye
Gümüş, Burçin Aşkım; Yıldırım, M. Zeki (POSTER 15)

Dynamic gastropods: morphological and genetic differentiation of the land snail *Arianta arbustorum* in an Alpine massif
Haase, Martin; Misof, Bernhard (POSTER 137)

Molecular phylogeny and morphological evolution of pholadoidean boring bivalves (Bivalvia: Myoida)
Haga, Takuma; Kase, Tomoki (POSTER 177)

The *Cerion* land snails of Long Island, Bahamas: New insights into the relationships and origins of a dynamic fauna
Harasewych, Jerry; Goodfriend, G.A.; Gould, S. J. (POSTER 166)

Interpreting the last molluscan Unionoidea from the Cretaceous of North Dakota
Hartman, Joseph H.; Burton-Kelly, Matthew; Sweet, Arthur R. (POSTER 44)

Studies on the control of *Arion lusitanicus* Mabilie in Norway
Haukeland, Solveig; Andersen, Arild (POSTER 10)

Caught in the act: Insights into the sex life of *Lanistes ovum* (Gastropoda: Ampullariidae)
Heiler, Katharina C. M.; Schultheiß, Roland; Geertz, Thies; Albrecht, Christian (POSTER 1)

Tag-team approach: Mitochondrial DNA and morphological assessment of Vietnamese freshwater gastropods (Caenogastropoda: Pachychilidae)

Holford, Mande; Do, Van Tu; Ho, Thanh Hai; Köhler, Frank (POSTER 112)

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