



**World Congress of Malacology  
Munich 2022**

**Monday, 1<sup>st</sup> of August – Friday, 5<sup>th</sup> of August 2022**

# **Programme**

## Programme Overview

	Monday, 1st August 2022				Tuesday, 2nd August 2022				Thursday, 4th August 2022				Friday, 5th August 2022			
08:40 - 09:00	Hall 1: Welcome & Opening Remarks															
<b>Morning Session I</b>	Plenary III + IV				Hall 1: Plenary III + IV				Hall 1: Plenary V + VI				Hall 1: Plenary VII + VIII			
09:00 - 10:30	Coffee Break				Coffee Break				Coffee Break				Coffee Break			
10:30 - 10:45	Hall 1	Hall 2	Hall 3	Hall 4	Hall 1	Hall 2	Hall 3	Hall 4	Hall 1	Hall 2	Hall 3	Hall 5	Hall 1	Hall 2	Hall 3	Hall 5
<b>Morning Session II</b>	EBS	MEH	AMS	SPD	EBS	CON	AMS	MEH	HET	ECO	CON	BIO	ECO	EVO	HET	INS
10:45 - 12:25	Lunch Break				Lunch Break				Lunch Break				Lunch Break			
12:25 - 14:00	EBS	MEH	AMS	ENV	EBS	CON	AMS	NEC	HET	ECO	PAR	DIV	ECO	VIS	HET	INS
<b>Afternoon Session I</b>	Coffee Break				Coffee Break				Coffee Break				Coffee Break			
14:00 - 15:40	EBS	MEH	AMS	ENV	EBS	CON	MAL	ALL	HET	ECO	PAR	DIV	VOL	PHY	HET	INS
15:40 - 15:55	Coffee Break				Coffee Break				Coffee Break				Coffee Break			
<b>Afternoon Session II</b>	EBS	MEH	AMS	ENV	Science Slam/ Auction (B00.019)				Unitas Malacologica General Assembly (B00.019)				Congress Dinner			
15:55 - 17:15	Poster Session															
Evening	Poster Session				Science Slam/ Auction (B00.019)				Unitas Malacologica General Assembly (B00.019)				Congress Dinner			

Wednesday, 3<sup>rd</sup> August 2022 - FREE DAY

Hall 1: B00.019, Hall 2: B01.019, Hall 3: B01.027, Hall 4: G00.001 (Monday, Tuesday), Hall 5: D00.003 (Thursday, Friday).

**ALL** Open Session: All About Light..., **AMS** American Malacological Society President's Symposium: Molluscan Conservation, **BIO** Open Session: Biogeography, **CON** Continental Molluscs Facing Environmental Changes, **DIS** Open Session: Diversity and Distribution (posters only), **DIV** Open Session: Diversification and Speciation in Terrestrial Molluscs, **EBS** Exploration, Biodiversity and Systematics of Molluscs: A Symposium in Honour of Philippe Bouchet, **ECO** The Ecology of Fossil and Extant Molluscs, **ENV** Open Session: Environmental Stress/ Adaptation, **EVO** The EvoDevo Corner, **GEN** Open Session: Genomics (posters only), **HET** Systematics and Evolution of (not only Marine) Heterobranchia, **INS** Insular Ecosystems as Cradles of Mollusc Biodiversity and Evolution, **MAL** Open Session: The Malacological Community, **MEH** Mollusc Evolutionary History, **MOR** Open Session: Morphology (posters only), **NEC** Open Session: The Neglected Classes, **PAR** Molluscs as Parasites and Victims of Parasitism: Biodiversity, Ecology and Evolution, **PHY** Open Session: Phylogeny, **SPD** Open Session: Species Delineation, **VIS** Open Session: EvoDevo and Vision, **VOL** Volunteers in Malacology.

## Monday, 1<sup>st</sup> August 2022

08:40-09:00	Haszprunar G, Leister D & Wörheide G: Welcome & Opening Remarks								
09:00-09:45	<b>Plenary I (PLE-I):</b> Böhm M: Meeting of generations: How our past efforts in mollusc conservation can steer the young malacologists of the future								
09:45-10:30	<b>Plenary II (PLE-II):</b> Ebbestad JOB: Evolutionary crossroads - molluscan evolution during the early Palaeozoic								
10:30-10:45	<b>Coffee Break</b>								
	<b>Large Lecture Hall B00.019</b>		<b>Lecture Hall B01.019</b>		<b>Lecture Hall B01.027</b>		<b>Lecture Hall G00.001</b>		
	<b>EBS</b> Chair: Yuri Kantor		<b>MEH</b> Chair: Alexander Nützel		<b>AMS</b> Chair: Kelli DeLeon		<b>SPD</b> Chair: Katharina M. Jörger		
10:45 – 11:05	Puillandre N: A life in numbers: Introduction to the symposium in honor of Philippe Bouchet	EBS -20	<b>Keynote</b> - Roden VJ: The rise of complex marine ecosystems and the role of mollusks in the Triassic		<b>Keynote</b> - Goulding TC: Mangrove molluscs in the Indo-West Pacific in need of assessment for conservation		AMS-07	Chueca LJ: Whole-genome analyses of <i>Candidula</i> (Gastropoda: Geomitridae) reveals the speciation and population structure of the genus	SPD-01
11:05 – 11:25	Strong EE: New Caledonia, mon amour	EBS -23					AMS-13	Yamazaki D: Diversification of <i>Littorina horikawai</i> endemic in the western coast of Kyushu, Japan	SPD-04
11:25 – 11:45	Haase M: Do snails from springs and groundwater provide a new perspective on New Caledonian biogeography?	EBS -11	Kiel S: Seals, whales, and the decline of Cenozoic nautiloid cephalopods	MEH -07	Molloy AM: Red Listing can protect UK Overseas Territories marine biodiversity	AMS-13	Yamazaki D: Diversification of <i>Littorina horikawai</i> endemic in the western coast of Kyushu, Japan	SPD-05	
11:45 – 12:05	Richling I: New campaign of land snail research on New Caledonia with first results on Helicinidae	EBS -21	Pindakiewicz M: First Cretaceous cephalopod statoliths and the evolution of decabranhians	MEH -11	DeLeon KL: Taxonomic investigation of Teredinidae in the Hawaiian Islands: resolving relationships needed to inform conservation	AMS-04	Kneubühler J: How many species? Limits of species concepts in the genus <i>Trochulus</i> (Gastropoda, Eupulmonata, Hygromiidae)	SPD-03	

12:05 – 12:25	Wilke T: Did humans silently extinguish sessility in freshwater gastropods?	EBS-25	Pohle A: Bayesian inference of early Palaeozoic cephalopod evolution	MEH-12	Peters WS: How scientific amnesia threatens biodiversity — a case involving aquatic gastropod	AMS-16	Reise H: Five slug species confused under the name <i>Limax nyctelius</i>	SPD-02
12:25- 14:00	<b>Lunch Break</b>							
	<b>EBS</b> Chair: Nicolas Puillandre		<b>MEH</b> Chair: Thomas Neubauer		<b>AMS</b> Chair: Kenneth A. Hayes		<b>ENV</b> Chair: Diarmaid Ó Foighil	
14:00 – 14:20	Kano Y: Bouchet's theory — vertical migration and surface dispersal of planktotrophic larvae from the deep sea — applies to hydrothermal vent endemics	EBS-12	Seuss B: A <i>Nautilus</i> and the history of its taphonomy	MEH-15	<b>Keynote</b> - Zieritz A: State and fate of Borneo's freshwater mussel diversity	AMS-21	Wink J: Studies on the microbiom of <i>Crassostrea gigas</i>	ENV-08
14:20 – 14:40	Oliverio M: Larval shells and poecilogony in gastropods: how has our perception changed since 1970s?	EBS-16	Karapunar B: Phylogeny and evolutionary history of Pleurotomariida (slit shells)	MEH-06			Funesto EG: Combined effects of heatwave and toxic algal bloom on the pacific oysters, <i>Crassostrea gigas</i>	ENV-03
14:40 – 15:00	Bank RA: On the history of MolluscaBase, and on a modern Linnean apostle	EBS-02	Nützel A: After the catastrophe - gastropods in the Early Triassic: new insights	MEH-09	Hayes KA: Conservation status of Hawaii's freshwater Lymnaeidae	AMS-09	Sayco SLG: Reproduction in the giant clam <i>Tridacna gigas</i> is compromised during bleaching stress	ENV-06
15:00 – 15:20	Cowie RH: My time at the MNHN 2002-2022: curation, extinction and Philippe Bouchet	EBS-04	Ishiyama G: Geographic distance matters: diversification process in the deep-sea snail genus <i>Bathyncistrolepis</i> (Gastropoda: Buccinidae)	MEH-04	Pfeiffer J: What digitized natural history collections data can (and can't) tell us about US freshwater mussel diversity, distribution, and decline	AMS-17	Rugila AL: Plasticity in energy budgeting as an adaptive response to environmental stress in larval and juvenile clams ( <i>Mercenaria mercenaria</i> )	ENV-05
15:20 – 15:40	Samadi S: From MUSORTSOM to Our Planet reviewed, the role of Philippe Bouchet in the modern development of naturalistic exploration	EBS-22	Das SS: Change in diversity patterns across the Eocene-Oligocene boundary of Kutch Basin, Western India: a molluscan perspective	MEH-03	Perez KE: Cave and spring snails: providing the evidence for effective conservation of groundwater-obligate snails	AMS-14	Park JK: Genomic adaptation shapes holobiont metabolism in deep-sea hydrothermal vent mussels	ENV-09
15:40- 15:55	<b>Coffee Break</b>							

<b>EBS</b> Chair: Nicolas Puillandre		<b>MEH</b> Chair: Imelda Hausmann		<b>AMS</b> Chair: Bonnie Derne		<b>ENV</b> Chair: Jesús Troncoso	
15:55 – 16:15	EBS-13 Kantor YI: Forty three years from <i>Lyria kuniene</i> (Bouchet, 1979)	Oropo AO: Effects of mucin and haemolymph of African giant land snail ( <i>Archachatina marginata</i> ) on cardiac function of toad ( <i>Bufo regularis</i> )	MEH-10	Perez KMG: Mollusk diversity patterns in the seven tropical Maar Lakes of San Pablo City, Laguna, Philippines	AMS-15	Cetin C: Genomic relatedness matrix-based heritability of immune function in the pond snail <i>Lymnaea stagnalis</i>	ENV-01
16:15 – 16:35	EBS-24 Tenorio MJ: Contributions to the knowledge of New Caledonia deep water cone snail fauna	Ezzine IK: Taxonomic revision of the genus <i>Xerosecta</i> , Monterosato, 1892	MEH-08	Sjönberg T: Effect of low dissolved oxygen on the survival of juvenile <i>Margaritifera margaritifera</i> : hypoxia tolerance ex situ	AMS-11	Adema CM: Ecoimmunology of <i>Physella acuta</i> (Gastropoda, Panpulmonata, Hygrophila)	ENV-04
16:35 – 16:55	EBS-01 Albano PG: The challenges of describing the collapse of marine invertebrate diversity	Wieneke U: Aporrhaidae, their evolution from Rupelian, Oligocene onwards	MEH-16	Bogan AE: A review of the freshwater mussels (Bivalvia: Unionoidea) of Vietnam	AMS-01	Tallarico L: Ecotoxicological assays employing the freshwater gastropod <i>Biomphalaria glabrata</i> (Say, 1818)	ENV-07
16:55 – 17:15	EBS-15 Meyer CP: How much diversity do we need to sample to eliminate dark taxa?	Zhang G: Bradybaeninae snails from East Asia are less diverged than other Camaenidae	MEH-17	Derne BT: Understanding snail symbionts and their role in conservation	AMS-05		

**Tuesday, 2nd August 2022**

09:00 – 09:45	<b>Plenary III (PLE-III)</b> Cunha TJ: The contributions of genomics for understanding the phylogeny, ecology and evolution of molluscs							
09:45 – 10:30	<b>Plenary IV (PLE-IV):</b> Wanninger A: Here's to the Next Generation Scientists: How to navigate the rocky road towards a scientific career – experiences made and lessons learned from a legend in malacology							
10:30 – 10:45	<b>Coffee Break</b>							
	<b>Large Lecture Hall B00.019</b>		<b>Lecture Hall B01.019</b>		<b>Lecture Hall B01.027</b>		<b>Lecture Hall G00.001</b>	
	<b>EBS</b> Chair: Yuri Kantor		<b>CON</b> Chairs: Lucie Juříčková, Salomé Granai, Quentin Wackenheim, Ondřej Korábek		<b>AMS</b> Chair: Frank Köhler		<b>MEH</b> Chair: Vanessa Roden	
10:45 – 11:05	Gosliner TM: Diversity squared: New insights into patterns of heterobranch species richness and diversification of lineages	EBS -09	<b>Keynote</b> - Limondin-Lozouet N: Palaeobiodiversity and distribution of Quaternary European continental snails in response to climatic cyclicity	CON -07	molluscs conservation: what Atlantic islands are teaching us	AMS- 19	<b>Keynote</b> - Collins KS: Composite approaches to a time-calibrated family-level phylogeny of the Bivalvia	MEH -02
11:05 – 11:25	Cobo MC: Advancing in the knowledge of Solenogastres (Mollusca Aplacophora) through the expeditions of the Muséum National d'Histoire Naturelle	EBS -03						
11:25 – 11:45	Fernández-Simón J: Barcoding the diversity of neglected meiofaunal molluscs in the Western Mediterranean (Gastropoda: Heterobranchia)	EBS -07	Richter C: What Quaternary gastropods tell us about the effect of climate change on Canary ecosystems	CON -14	Köhler F: As the smoke cleared: Assessing the impacts of 2019-20 megafires on Australia's land snails	AMS- 12	Schneider S: The fossil record of Mesozoic and Cenozoic freshwater bivalves: a progress report	MEH -14
11:45 – 12:05	Pardos-Blas JR: Cone snail genomics	EBS -19	Juříčková L: Forest mollusks – the key to Holocene diversity in Central Europe	CON -05	Hyman IT: Conservation on Lord Howe Island and Norfolk Island, Australia's hotspots of land snail diversity	AMS- 10	Amler MRW: A fresh look on Late Palaeozoic Rostroconchia or, how we can refine our knowledge of hippocardiid palaeobiology	MEH -01

12:05 – 12:25	Garzia M: Multilocus DNA barcoding and integrative taxonomy of the oysters (Ostreidae and Gryphaeidae) of the Museum National d'Histoire Naturelle (MNHN) from different oceanographic expeditions reveal several MOTUs not assigned to known species	EBS -08	Marzec M: The malacofauna of the degraded cupola spring-fed fen in the Romincka Forest, history and present	CON -08	Pearce-Kelly P: How can we best respond to the biodiversity crisis: Insights from the Areho Natural and Cultural Heritage Seminar	AMS- 02	Ito A: A new hippuritid rudist bivalve from the Caramoan Peninsula, the Philippines, sheds new light on the evolutionary history of the Hippuritidae	MEH -05
12:25 – 14:00	<b>Lunch Break</b>							
	<b>EBS</b> Chair: Ellen E. Strong		<b>CON</b> Chairs: Lucie Juříčková, Salomé Granai, Quentin Wackenheim, Ondřej Korábek		<b>AMS</b> Chair: Norine Yeung		<b>NEC</b> Chair: M. Carmen Cobo	
14:00 – 14:20	Williams ST: Solariellidae: new snails, new phylogenies, and new understandings of deep-sea evolutionary drivers	EBS -26	Wackenheim Q: From Morocco to Spain : How Mid-Holocene land snails shed a new light on extant malacofauna and its response to environmental changes	CON -16	Ó Foighil D: A genomic and ecological perspective on Windward Islands (Tahiti & Moorea) Partulid survival	AMS- 08	Yap-Chiongco MK: Genomic insights from the enigmatic Aplacophora	NEC -04
14:20 – 14:40	Goulding TC: Phylogenomics of the Epitoniidae: resolving relationships in a diverse family using target capture	EBS -10	Djerbi H: The effects of soil anthropisation on the composition and organisation of malacological assemblages in oases: the case of the Arabian peninsula	CON -01	Yeung NW: Hawaiian land snail conservation efforts: from rediscovering species to manning the lifeboats	AMS- 20	Bergmeier FS: Life`s a beach: Diversity and ecology of shallow-water interstitial Solenogastres (Mollusca, Aplacophora)	NEC -01
14:40 – 15:00	Eernisse DJ: Chitonidae subclades each have an ancient split between the Americas and the Old World	EBS -05	Granai S: Paleoenvironmental reconstructions based on molluscan assemblages in archaeological contexts: an overview of possibilities at various scales of time and space	CON -03	Cole ML: Terrestrial mollusc conservation in South Africa	AMS- 03	Steiner G: The scaphopod mess	NEC -03

15:00 – 15:20	Maniel G: Towards a better assessment of muricid species diversity in the Caribbean Sea (Guadeloupe and Martinique Islands, Lesser Antilles)	EBS -14	Proćków M: Effects of climate variables on phenotypes, phylogeographic pattern and distribution of the strawberry snail <i>Trochulus striolatus</i> (Gastropoda: Hygromiidae)	CON -12	Seddon MB: Meeting of generations: how can we use the CBD 2030 targets to mainstream Mollusc Conservation?	AMS- 18	Ruthensteiner B: Contributions to softpart morphology of monoplacophorans by microCT	NEC -02
15:20 – 15:40	Páll-Gergely B: Amongst the tiniest of the small: new discoveries reveal 43 SE Asian luminary species from sediment and scum (Gastropoda: Stylommatophora: Hypselostomatidae)	EBS -18			Earl C: Advancing Uses of Malacological Digital Data in an Era of Informatics	AMS- 06		
15:40 – 15:55	<b>Coffee Break</b>							
	<b>EBS</b> Chair: Ellen Strong		<b>CON</b> Chairs: Lucie Juříčková, Salomé Granai, Quentin Wackenheim, Ondřej Korábek		<b>MAL</b> Chair: Meghan Yap-Chiongco		<b>ALL</b> Chair: Gregor Christa	
15:55 – 16:15	Fassio G: How many species can be hidden under a Chinese hat? The <i>Calyptraea chinensis</i> (Linnaeus, 1758) cryptic species complex	EBS -06	Korábek O: Locating refugia and dating the arrivals to guess the speed of postglacial expansions	CON -06	Lindberg D: Laudatio for Dr. Winston F. Ponder – a life of malacology	MAL- 02	Laetz EMJ: Solar-powered sea slugs – the ups and downs of heading toward the light	ALL- 02
16:15 – 16:35	Bouchet P: My life with molluscs, their names, and the people who study them		Hausdorf B: Disconcordant patterns resulting from concordant processes: differentiation and speciation of rock-dwelling snail species in the Southern Alps	CON -04	Trimble JW: Stewarding Harvard University's malacology collection into the future	MAL- 03	Middlebrooks ML: Dietary preferences and performance of the photosynthetic sea slug <i>Elysia papillosa</i>	ALL- 03
16:35 – 16:55			Ollard IS: Mussel memory: History lessons from freshwater bivalves	CON -10	Anderson M: Equity, diversity, inclusion and accessibility in UK Polar Science and Malacology	MAL- 01	Vital XG: Light conditions and acclimation of kleptoplasts modulate the abundance and preference of <i>Elysia crispata</i>	ALL- 04
16:55 – 17:15	Closing Ceremony		Tan ADY: Cost of living: Morphometry reveals patterns of clinal variations in US freshwater mussels (family Unionidae)	CON -15	Open Discussion		Greistorfer S: <i>Latia neritoides</i> - studying the gland system of a glowing mucus producing freshwater snail	ALL- 01



**Thursday, 4th August 2022**

09:00 - 09:45	<b>Plenary V (PLE-V):</b> Wägele H: Systematics and evolution of (not only marine) Heterobranchia							
09:45 - 10:30	<b>Plenary VI (PLE-VI):</b> Harper EM: (Palaeo)ecological aspects to the evolution of shell microstructure and mineralogy							
10:30 - 10:45	<b>Coffee Break</b>							
	<b>Large Lecture Hall B00.019</b>		<b>Lecture Hall B01.019</b>		<b>Lecture Hall B01.027</b>		<b>Lecture Hall G00.001</b>	
	<b>HET</b> Chair: Timea Neusser		<b>ECO</b> Chair: Simon Schneider		<b>CON</b> Chairs: Lucie Juříčková, Salomé Granai, Quentin Wackenheim, Ondřej Korábek		<b>BIO</b> Chair: António de Frias Martins	
10:45 - 11:05	HET -13	<b>Keynote</b> Knutson VL: Phylogenomic methods provide robust resolution of heterobranch gastropod phylogeny: implications for our understanding of evolution in the clade	<b>Keynote</b> Van Bocxlaer B: Linking microevolutionary and macroevolutionary dynamics in freshwater molluscs of the East African Rift System	ECO -22	Gey CJ: Unravelling the “pulse of rivers” on multidecadal to centennial time scales - A multi-proxy approach for freshwater pearl mussels to reconstruct environmental conditions in stream water	CON- 02	Uribe JE: Cantharidinae (Vetigastropoda: Trochoidea) phylogenomics unveils the origin, evolution, and potential biogeographic events of the western temperate clades	BIO- 04
11:05 - 11:25				ECO -16	Riccardi N: Freshwater mussels as a flood early warning system	CON- 13	Heyns-Veale ER: Deriving new insights into South Africa’s marine biogeography through analysis of offshore benthic molluscan distributions	BIO- 02
11:25 - 11:45	HET -03	Brenzinger B: What morphology of extant taxa tells us about the first 100 Million years of heterobranch evolution	Little CTS: Boreal Ocean Jurassic-Cretaceous methane seep molluscs	ECO -16	Modesto V: Native mussels between parasites and invaders under the pressure of water resource management: the case study of Lake Maggiore	CON- 09	Hoffmann L: Diversity and endemism of bathyal gastropods on the South Azorean Seamounts	BIO- 03
11:45 - 12:05	HET -12	Jensen KR: What would an ancestor for the Sacoglossa have looked like?	Kaim A: Molluscs from the Late Cretaceous hydrothermal vent deposits from Cyprus: A glimpse into Mesozoic hydrothermal vent	ECO -11	Reis J: Sophie's choice - which population to preserve under a scenario of global change and extinction	CON- 11	Hayes KA: Phylogenetic systematics and distribution of <i>Pomacea sordida</i> (Swainson, 1823) and <i>Pomacea intermedia</i> (Férussac in Quoy & Gaimard, 1825) (Caenogastropoda: Ampullariidae)	BIO- 01

12:05 – 12:25	Mikhlina A: All teeth blazing! Ancestral state reconstruction of buccal armature in <i>Doridina</i> (Nudibranchia, Gastropoda)	HET -17	Hryniewicz K: Paleocene molluscan macrofauna from an Outer Carpathian deep-sea hydrocarbon seep deposit and the Paleogene history of seep faunas	ECO -07	Zajac T: CONFREMUS – pan-European COST scientific network to resolve problems of freshwater mussels conservation	CON- 17	Yahagi T: Anti-tropical distribution and larval ecology of <i>Plesiothyreus cinnamomeus</i> (Neritimorpha: Phenacolepadidae)	BIO- 05
12:25 – 14:00	<b>Lunch Break</b>							
	<b>HET</b> Chair: Juan Moles		<b>ECO</b> Chair: Andrzej Kaim		<b>PAR</b> Chairs: Aleksandra Skawina and Kenneth de Baets		<b>DIV</b> Chair: Bernhard Hausdorf	
14:00 – 14:20	Malaquias MAE: Diversity and phylogeny of the genus <i>Haminoea</i> Turton & Kingston, 1830 (Gastropoda, Heterobranchia, Cephalaspidea) in the Atlantic and eastern Pacific	HET -25	Fröhlich L: High-resolution multi-proxy reconstruction of marine primary production using the short-lived bivalve <i>Pecten maximus</i>	ECO -02	Keynote - Nützel A: Gastropods as parasites and carnivorous grazers – a major guild in marine ecosystems and its fossil record	PAR- 07	Falniowski A: Isolation and endemism in subterranean aquatic snails: <i>Belgrandiella</i> A. J. Wagner, 1927, <i>Montenegrospeum</i> Pešić et Glöer, 2013 and <i>Kerkia</i> Radoman, 1978	DIV- 04
14:20 – 14:40	Bharate M: Diversity and phylogeny of the only rock-dweller haminoeid genus <i>Smaragdinella</i> (Gastropoda: Cephalaspidea) in the Indo-West Pacific	HET -02	Höche N: Environmental forcing on bivalve shell microstructure – a case study of <i>Arctica islandica</i>	ECO -06			Phillips J: Diversification and speciation in an endemic radiation of Galápagos land snails ( <i>Naesiotus</i> : Bulimulidae)	DIV- 08
14:40 – 15:00	Peralta-Serrano M: Diversity and comparative taxonomy of Antarctophilinidae gastropods (Heterobranchia: Cephalaspidea)	HET -20	Huang Q: A novel trophic archive: High-resolution compound-specific amino acid (CSIA) $\delta^{15}\text{N}$ analysis of bivalve shells ( <i>Arctica islandica</i> )	ECO -08	Modica MV: Vampire tales: adaptations to hematophagy in the marine snail <i>Cumia reticulata</i>	PAR- 06	Saito T: Dispersal is a driver for the diversification of <i>Gyraulus</i> spp. on both continental and oceanic islands	DIV- 09
15:00 – 15:20	Siegwald J: Diversity and biogeography of the deep-sea <i>Scaphander</i> gastropods	HET -23	Al Fudhaili N: Belemnite growth rates and trace elemental composition across the Pliensbachian-Toarcian boundary event	ECO -01	Loker ES: The gastropod hosts of schistosomes: patterns, processes and mechanisms	PAR- 05	Bamberger S: Phylogeography and population differentiation of <i>Clausilia dubia</i> across Europe	DIV- 01

15:20 – 15:40	Grishina D: Integrative taxonomy and phylogeography of <i>Eubranchus rupium-exiguus</i> (Gastropoda: Nudibranchia) species complex	HET -11	Skujienė G: Carbon and nitrogen stable isotopes as a screening tool to determine the food sources of land snail <i>Ena montana</i> (Draparnaud, 1801)	ECO -20	De Baets K: Escalation in parasite-host bivalve interactions throughout the Phanerozoic	PAR- 02	Bitzilekis E: Molecular phylogeny of the genus <i>Metafruticicola</i> von Ihering 1892 (Gastropoda, Hygromiidae) reveals the polyphyly of the genus	DIV- 02
15:40 – 15:55	<b>Coffee Break</b>							
	<b>HET</b> Chair: Bastian Brenzinger		<b>ECO</b> Chair: Andrzej Kaim		<b>PAR</b> Chairs: Aleksandra Skawina, Kenneth de Baets		<b>DIV</b> Chair: Luis Chueca	
15:55 – 16:15	Sulikowska-Drozd A: Alternative reproductive strategies (viviparity/oviparity) in the phylogeny of a hyperdiversified group of land snails	HET -24	Krings W: The molluscs' periodic table: Elemental analysis reveals distinct mineralisation patterns in radular teeth	ECO -13	Skawina A: Early evolution of parasitism and gill anatomy in Unionida bivalves	PAR- 08	Linscott TM: De novo assembly and genome skims reveal LTRs dominate the genome of limestone endemic mountainsnails ( <i>Oreohelix</i> )	DIV- 06
16:15 – 16:35	Eggleton L: A Sticky situation: Investigating the contradictory nature of gastropod mucus	HET -07	Yoshimura T: Sulfur detoxification via biomineralization in the hadal chemosynthetic bivalve “ <i>Axinulus</i> ” <i>hadalis</i> (Thyasiridae)	ECO -23	Hewitt T: Aggressive mimicry mantle lure polymorphisms in <i>Lampsilis fasciola</i> model fish or leech host prey and differ in morphology and pigmentation, but not in display behaviour	PAR- 04	Giokas S: Micro-spatial behaviour of two syntopic rock-dwelling <i>Albinaria</i> species: aggregation, substrate preference and trail following	DIV- 05
16:35 – 16:55	Barajas-Ledesma E: Fourier Transform Infrared Spectroscopy as a powerful technique to identify and classify gastropods	HET -01	Jucevičiūtė A: Comparison of the effectiveness of barrier control measures for invasive slugs	ECO -10	Cereghetti T: Variation in natural selection on gene expression across the immune system in a freshwater snail	PAR- 01		
16:55 – 17:15	Giribet G: A molecular phylogeny of Donacidae (Bivalvia: Heterodonta): A species-level investigation into the relationships of globally distributed surf clams	EBS -17	Hutchinson J: Mating behaviour and genital anatomy in three species of <i>Ambigolimax</i> slug	ECO -09	Dołęga JA: Fish infestation with glochidia of <i>Unio crassus</i> Philipsson, 1788 in the wild	PAR- 03	Chertoprud EM: Hidden biodiversity hotspot: A survey of groundwater hydrobiid microsnails from Western Transcaucasia	DIV- 03

**Friday, 5th August 2022**

09:00 - 09:45	<b>Plenary VII (PLE-VII):</b> Cavadino I: Citizen science: a slug success story							
09:45 - 10:30	<b>Plenary VIII (PLE-VIII):</b> Wollesen T: From single cells to complex organs – evolutionary developmental insights from hitherto neglected mollusks							
10:30 - 10:45	<b>Coffee Break</b>							
	<b>Large Lecture Hall B00.019</b>		<b>Lecture Hall B01.019</b>		<b>Lecture Hall B01.027</b>		<b>Lecture Hall G00.001</b>	
	<b>ECO</b> Chair: Thomas Neubauer		<b>EVO</b> Chair: Tim Wollesen		<b>HET</b> Chair: Heike Wägele		<b>INS</b> Chair: Christian Albrecht	
10:45 - 11:05	Das SS: Ecological and Environmental attributes of shell morphologies of the western Indian Jurassic gastropods	ECO-19	<b>Keynote</b> - Albertin CB: Patterning the cephalopod body plan	EVO-01	<b>Keynote</b> - Moles J: A thousand species, "all"-family phylogeny of the largest gastropod subclass (Heterobranchia)	HET-18	<b>Keynote</b> - Ó Foighil D: Phylogenomic Insights into the Diversification of Partulidae across Oceania	INS-05
11:05 - 11:25	Nielsen SN: Predation on Miocene marine Mollusca along a latitudinal gradient in the southeastern Pacific	ECO-18						
11:25 - 11:45	Grossmann M: The latitudinal gradient of functional diversity of Miocenemollusks from Chile	ECO-03	Webster NB: Connecting pattern to process: Growth of spiral shell sculpture in the gastropod <i>Nucella ostrina</i> (Muricidae: Ocenebrinae)	EVO-04	Chen Z: The de novo genome of the "Spanish" slug <i>Arion vulgaris</i> Moquin-Tandon, 1855, a perspective of genetic forces driving water-to-land transition	HET-06	Neiber MT: How many goodly creatures are there here! Origin, radiation and diversification of <i>Hemicycla</i> land snails in the Canary Islands (Gastropoda: Stylommatophora: Helicidae)	INS-08
11:45 - 12:05	Ketwetsuriya C: Holocene environmental evolution of the Bangkok Clay, Samut Sakorn, Central Thailand: Molluscs as indicators of sea-level change in Northern Gulf of Thailand	ECO-12	Sleight VA: Modern tools for Molluscan Evo-Devo	EVO-03	Galià-Camps C: Jumping through the hoops: Unveiling functional mitogenomic structural rearrangements in the genus <i>Dendrodoris</i>	HET-09	de Frias Martins A: LIFE SNAILS – Azores: Mending the pieces to give them a chance	INS-03
12:05 - 12:25	Hausmann IM: Mesh-size effect as bias in palaeoecological interpretations of fossil mollusc-dominated assemblages collected by different sampling methods	ECO-05	Baynes A: Surprising effects of pharmaceutical 5-alpha-reductase inhibitors on freshwater gastropod embryonic development	EVO-02	Vidal-Miralles JA: Between sea angels and butterflies: a comprehensive phylogeny of pteropod molluscs	HET-26	Groh K: The Pomatiidae of the Central Canary Islands – just conchological variability or misjudged biodiversity?	INS-04

Lunch Break								
ECO Chair: Simon Schneider		VIS Chair: Tim Wollesen		HET Chair: Juan Moles		INS Chair: Björn Stelbrink		
14:00 – 14:20	Takano T: Host exploitation of eulimid gastropods: in situ observation, molecular identification and stable isotope analysis	ECO-21	Lesoway MP: Opening a can of snails: Predicting developmental gene regulatory networks in the slipper snail, <i>Crepidula fornicata</i>	VIS-04	Layton KKS: Toward a deeper understanding of nudibranch colour	HET-14	<b>Keynote</b> - Neubauer TA: Lakes as islands of evolution and the fossil record of freshwater gastropods	INS-09
14:20 – 14:40	Harrison T: Within-host ecological shift does not mean within-burrow coexistence for two bivalves commensal with mantis shrimp	ECO-04	Bökenhans VD: Gametogenic cycle and gonadal apoptotic cell detection in the semelparous side-gilled sea slug <i>Pleurobranchaea maculata</i> (Quoy & Gaimard, 1832)	VIS-02	Penney BK: Connective tissue patterns in dorid nudibranch mantle	HET-19		
14:40 – 15:00	Li J: Host-symbiont cross talk in photosymbiotic bivalves	ECO-14	Serb JM: Molluscan genomes reveal distinct patterns of opsin evolution across the phylum	VIS-05	Bonomo LJ: 50 Shades of Red: the red-reticulate group of <i>Goniobranchus</i> (Heterobranchia: Nudibranchia: Chromodorididae)	HET-04	Albrecht C: Island Africa – insights into evolution and biogeography from freshwater molluscs in insular systems	INS-01
15:00 – 15:20	Ostrovsky I: Impacts of extreme water level rise on sublittoral gastropods in Lake Kinneret	ECO-17	Irwin AR: Evolution of high-resolution spatial vision in the conch snail group Stromboidea	VIS-03	Fernández-Vilert R: Shining disco: shedding light into the systematics of the family Discodorididae (Gastropoda: Nudibranchia)	HET-08	Todd JA: Lake Tanganyika's gastropod superflock – after 160 years what do we know and what would we like to know?	INS-12
15:20 – 15:40	Lipae HB: Increasing temperature shifts food choice of a terrestrial snail, <i>Cryptozona siamensis</i> (Pfeiffer, 1856), from herbivory to scavenging	ECO-15	Serb JM: Why so many? Variation in eye abundance among scallops (Bivalvia: Pectinidae) reveals ontogenetic and evolutionary convergence associated with life habits	VIS-01	Caballer Gutierrez M: Biodiversity exploration and the program 'La Planete Revisitee': marine heterobranch gastropods from Corsica Island	HET-05	Krings W: Material properties of radular teeth reflect adaptations to distinct substrates, a functional morphology study on the paludomid gastropods from Lake Tanganyika	INS-07
15:40 – 15:55	Coffee Break							

	<b>VOL</b> Chairs: Anna Holmes and Ben Rowson	<b>PHY</b> Chair: Yasunori Kano	<b>HET</b> Chair: Manuel Malaquias	<b>INS</b> Chair: Thomas Neubauer
15:55 – 16:15	Rowson B: Non-marine mollusc distribution mapping by the Conchological Society of Great Britain & Ireland: a citizen science project in the 19 <sup>th</sup> , 20 <sup>th</sup> and 21 <sup>st</sup> centuries VOL-04	Fedosov AE: Exon-capture-based phylogeny of the Neogastropoda PHY-02	Goodheart J: Gene novelty in understudied groups: using the chromosome-level genome of the nudibranch gastropod <i>Berghia stephanieae</i> as a case study HET-10	Proios K: Re-approaching land snail fauna in three Cyclades islands 45 years later: preliminary biogeographical and ecological results INS-11
16:15 – 16:35	Holmes AM: The search for hitchhiking Caribbean Molluscs in Wales – a Citizen Science Project VOL-01	Farhat S: Could hyperdiversification of neogastropods be related to a whole genome duplication? PHY-01	Melo Clavijo J: The nudibranch <i>Berghia stephanieae</i> (Váldes, 2005): a transitional form towards a stable photosymbiosis HET-16	Panisi M: Shelled treasures: discovering and preserving the endemic-rich malacofauna of the Gulf of Guinea oceanic islands (central Africa) INS-10
16:35 – 16:55	Ananthram AN: Freshwater molluscs of India: Challenges and opportunities for research and conservation VOL-03	Haubner ML: Characterization and phylogenetic analysis of eleven apple snail (Ampullariidae) complete mitochondrial genomes PHY-03	Sickinger C: Diversity of Symbiodiniaceae in Cladobranchia HET-22	Clewing C: Threat and origin of the unique freshwater fauna on the western Indian Ocean islands INS-02
16:55 – 17:15	Mitschke M: Description of a healthy population of the freshwater mussel <i>Anodonta cygnea</i> in a pond in Wuppertal, Germany VOL-02	Zajac KS: First comprehensive molecular phylogeny of the genus <i>Deroceras</i> (Gastropoda: Eupulmonata: Agriolimacidae) PHY-04	Martin-Hervás MR: Molecular insights into the global phylogeny of <i>Elysia</i> Risso, 1818 (Gastropoda, Heterobranchia) with a focus on the European seas HET-15	Kniesz K: Spatial distribution and connectivity of new vent related species in <i>Anatoma</i> (Gastropoda) from hydrothermal vent fields in the Indian Ocean INS-06



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