

28 - 30 March 2017

CRETAquarium, Thalassocosmos

Hellenic Centre for Marine Research (HCMR), Heraklion, Crete (Greece)

Tuesday, March 28th

09:00	Registration		
09:30	Welcome and Introduction		
09:45	Introductory lecture - Cephalopod science, next Challenges (I)		
10:20	Rui Rosa (Portugal)	Global hotspots and coldspots of coastal cephalopod diversity	
10:40	Jennifer MATHER (Canada)	Variation within and between individuals in the 'fixed' action of the predator strike of the cuttlefish	
11:00	Daniel Osorio (UK)	Variation and change in camouflage of the common cuttlefish (Sepia officinalis)	
11:20		Coffee break	
11:45	Shuichi SHIGENO (Italy)	Octopus brain evolution in the pelagic, deep-sea, and social lifestyles: a signature for cerebral gyri expansion	
12:05	Letizia Zullo (Italy)	Organization and function of elastic fibers in Octopus vulgaris arm muscles	
12:25	Vladimir Laptiкнovsкy (UK) Habitat impact on cephalopod reproductive strategies		
12:45	Nicholas GLADMAN (UK)	The hydrodynamics of cuttlefish (Sepia officinalis) jet propulsion	
13:10		Lunch	
14:45	COST Action FA1301: a short overview on activities (I)		
15:00	Christopher BARRET (UK)	Distributions of squids on the shelf around the U.K. and some insights on population structures	
15:20	Tim WOLLESEN (Austria)	Cephalopods share a similar BMP signaling gene expression profile during dorsalventral body axis formation with chordates	
15:40	Eduardo Almansa (Spain)	Effect of different light conditions on growth and survival of <i>Octopus vulgaris</i> paralarvae reared in captivity	
16:00	Caitlin E. O'BRIEN (France)	Effects of Reproductive Stress on Offspring Behavior in the cuttlefish, Sepia officinalis	
16:20		Coffee break	
16:50	Giambattista Bello (Italy)	- The Mediterranean peoples' perception of the common octopus, Octopus vulgaris	
17:10	Cephalopod Research and the 3Rs (Replacement, Reduction and Refinement)		
		P.L.R. Andrews & M.L. Begout "co-chairs"	
	- Paul L. R. Andrews (UK, Italy) – Introduction to 3Rs in relation to cephalopod research		
	- Marie-Laure Begout (France) – The use of the online Experimental Design Assistant in cephalopod research and its contribution to 3Rs		
	- Gavan Cooкe (UK) – Pros	spective severity assessment in cephalopods	
	- Facilitated Discussion: P	ractical application of 3Rs to cephalopod research	
18:45	Poster Session – Welcon	ne Refreshment	

End of Day 1



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Wednesday, March 29th

09:30	Introductory lecture - Cephalopod science, next Challenges (II)		
10:05	Ana Turchetti-Maia (Israel) Octopus vulgaris memory acquisition is mediated by a novel		
		protein synthesis-independent long-term potentiation (LTP)	
		that involves persistent self-activation of nitric oxide synthase (NOS)	
10:25	Ryuta Nakajima (<i>USA</i>)	Ceph Art: how far can I take?	
10:45	Dambee Кім (<i>UK</i>) (Cephalopoda)	The Cuttle Shuttle: Behavior and Learning in Predatory Sepia officinalis	
11:05		Coffee break	
11:30	Graham PIERCE (Spain)	Management options for cephalopod fisheries in Europe	
11:50	Oleg SIMAKOV (Austria)	Cephalopod genome evolution	
12:10	Inger WINKELMANN (Denn	nark) A Continued Molecular Search for the Giant Squid: Going Nuclear	
12:30	Michael Kuba (Japan)	Identify me	
12:50	Paul L.R. Andrews (UK)	Can cephalopods vomit?	
13:10		Lunch	
14:30	Pablo García-Fernández	(Spain) Transcriptomic analysis of Octopus vulgaris paralarvae: identification of potential welfare biomarkers, a new tool to improve their culture	
14:50	Robyn Crooк (USA)	Identifying cephalopod 'pain' through measures of neural and behavioral plasticity after injury	
15:10	Manuel NANDE (Spain)	The mechanism of pouncing, drilling and devouring zooplanktonic preys by <i>Octopus vulgaris</i> paralarvae	
15:30	Stephanie Busн (USA)	The striped pyjama squid, Sepioloidea lineolata, reared in captivity: welfare, behavior, and reproduction	
15:50	Fabio DE SIO (Germany)	Becoming a vertebrate. The comparative study of cephalopod brains and behaviors: between epistemology, ontology and ethics	
16:10		Coffee break	
16:45	Jade Spence (UK)	Humane slaughter: principles and practice	
17:15	New direction in interd implication	isciplinary cephalopod research: from practical to metaphysical and its social	
	Panelists:	Ryuta Nakajima "Facilitator"	
	Fabio De Sio (Ge Fernanda Oyarz M arkus Schmid	un (Chile) t (Austria)	
	Shuichi S higeno Letizia Zullo (Ita		

Letizia Zullo (Italy)

18:45 I love you more - cephalopod interface at Crete, a guided tour

End of Day 2



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Thursday, March 30th

09:00		Social Tour	
14:30	Introductory lecture - Cephalopod science, next Challenges (III)		
15:05	Erica A.G. VIDAL (Brazil)	Potential effects of climate change at population level during embryonic development of <i>Octopus vulgaris</i> Type II	
15:25	Frederike HANKE (DE)	Common cuttlefish (Sepia officinalis) show a saccadic movement strategy	
15:45	Tore Kristiansen (Norway) Welfare needs of cephalopods		
16:05		Coffee break	
16:30	George KEMENES (UK)	Cephalopod Neurosciences: JZ Young 1985 revisited	
16:55	Pamela IMPERADORE (Italy) Nerve degeneration and regeneration in the octopus: the case of the pallial nerve		
17:15	Eduardo Sampaio (<i>PT</i>)	Towards standardization on cephalopod research: a 'need' for the community and case-studies	
17:35	Rachel LONG (Madagasco	ar) From fisheries management to conservation: a role for periodic closures of fast reproducing species?	
17:55	Alexander Arkнipkin (Falkland Islands) Coevolution in body coloration and camouflage in cephalopods and fish		
18:15	COST Action FA1301: a short overview on Short Term Scientific Missions and their outcomes		
18:35	COST Action FA1301: a short overview on activities (II)		
19:00	COST Action FA1301 - c	closed session	
20:00		Social Dinner	

End of Day 3



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Poster Session (March 28)

Authors (first author listed)	Title
Nik Lupše	Cladistic analysis of cuttlefishes (family Sepiidae)
Penélope Bastos	Habitat and distribution of <i>Octopus</i> cf. <i>vulgaris</i> in shallow waters in a subtropical Island, southern Brasil
Elisa Jeanneht Armendáriz- Villegas	Is there any reason why octopuses go boring or not the shell of a bivalve?
Maritza García-Flores	${\bf Histological\ description\ of\ the\ reproductive\ system\ of\ female\ and\ male\ } Octopus \\ hubbsorum$
Robyn J Crook	Natural injuries of cephalopods: their effects on diverse behaviors in the wild
Nawel Mezrai	Predator recognition in cuttlefish embryo
Caitlin E. O'Brien	Reproductive Effects of Maternal and Prenatal Stress in the Cuttlefish, Sepia officinalis
Nicolaos Fotiadis	Biological parameters and sources of variation characterising the population of <i>Todaropsis eblanae</i> in the eastern Ionian Sea
Eugenia Lefkaditou	Comparison of reproductive and feeding strategies of three cephalopod species in the Aegean Sea
Anastasiia Lishchenko	Size and weight of commander squid Berriteuthis magister in 2005 and 2016
Fedor Lishchenko	Statolith shape variability in Berryteuthis magister
Lee Mong-Fong	Novel perforation structures between nidamental glands and accessary nidamental glands of the mature female pharaoh cuttlefish, <i>Sepia pharaonis</i>
Catalina Perales-Raya	Comparative study of age estimation in wild and cultured Octopus vulgaris paralarvae. Effect of temperature and diet
Kerry Perkins	The public cephalopod: A review of public aquarium cephalopod collections
Katina Roumbedakis	Parasite fauna of post spawning female <i>Octopus maya</i> (Cephalopoda: Octopodidae) in the Yucatan Peninsula, Mexico
Nefertiti Taydé Roldán Wong	Bioaccumulation and biomagnification of metals in the octopus <i>Octopus hubbsorum</i> from the Santa Rosalia mining harbor, Gulf of California, México
Alexia Scaros	The embryonic olfactory system in the common cuttlefish Sepia officinalis
Astrid Deryckere	Analysis of stem cell markers in the adult Octopus vulgaris brain
Morag Taite	Larval and juvenile cephalopods from the North Atlantic