27 Oct - 02 Nov 2012 Majestic Palace Hotel | Florianópolis, SC, Brazil



Official Program





"Interdisciplinary approaches to cephalopod biology"

Official Program

27 Oct - 02 Nov 2012

Majestic Palace Hotel

Florianópolis, Santa Catarina, Brazil



Cover Photograph: *Pickfordiateuthis pulchella*, by Dr. Alvaro Migotto, Marine Biology Center (CEBIMar-USP), University of São Paulo, São Sebastião/SP, Brazil - www.usp.br/cbm

Cephalopod International Advisory Council Symposium 2012 27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Conference Host



Sponsors











Symposium Secretariat

Official Travel Agency





Table of Contents

Welcome Message		4
Committees		6
General Information	· · · · · · · · · · · · · · · · · · ·	8
Social Events		11
Useful Information		12
Submission of Manuscripts		13
Map of Symposium Venue Area_		14
Hotels & Restaurants		16
Pre-conference Workshops		18
Invited Speakers		22
CIAC '12 Program		27
Monday 29th october 2012		
Tuesday 30th october 2012		
Thursday 1st november 2012		
Friday 2 nd november 2012		
CIAC '12 Posters		41
P1 to P10		
P11 to P20		
P21 to P29		
P30 to P38		
P39 to P48		
P49 to P59		
P60 to P70	47	
P71 to P80	48	
P82 to P90	49	
P91 to P100	50	
P101 to P110	51	
P111 to P119	52	
P120 to P129	53	
P130 to P133	54	
Index		54

Welcome Message

On behalf of the Organizing Committee, it is my pleasure to welcome you to Florianópolis for the 2012 Cephalopod International Advisory Council Symposium. It is a privilege to host this CIAC Symposium and we are proud to have it in Brazil. The theme of our conference, "Interdisciplinary Approaches to Cephalopod Biology", embraces all aspects of cephalopod biology, allowing the presentation of oral communications and posters across a broad range of topics. As you will see, apart from a strong scientific program, CIAC 2012 will promote communication and new collaborations through workshops and a topical and vibrant symposium program that includes keynote papers, poster sessions, oral presentations, and discussion panels.

Social events are also an essential part of the program, as they provide the perfect occasion to re-connect with old friends and colleagues as well as to meet young scientists and students. With this in mind, it was my great wish that the official symposium dinner be a moment when every one of the participants of the symposium would gather together to cherish the moments we shared during the event.

We will have four concurrent workshops that precede the Symposium, each covering an exciting theme: "Cephalopod culture: recent advances and challenges", "Biology, ecology and biodiversity of deep-sea cephalopods", "Habitats and behavior of cephalopod key life-stages", and "Cephalopod species dynamics and environmental effects, stock assessment, and management". We would like to thank the workshop chairs for their efforts in preparing the ground for stimulating discussions of these highly topical themes that I know will enrich our Symposium.

The Symposium includes four keynote speakers. Dr. Angel Guerra will open the Symposium with an exciting talk on the conference theme that, we hope, will encourage all of you to engage in new, interdisciplinary collaborations. Dr. Louise Allcock will strike a more historical note with a delightful presentation on the vital role of women in teuthology, their challenges and motivation. It will be a talk that all teuthologists — male and female — certainly will find inspiring! Dr. Uwe Piatkowsky has taken on the task of reviewing the latest advances of a very broad and important topic - "Cephalopods and the environment" an area of

obvious interest to many of you, given the high number of papers submitted to this session. Finally, Dr. Ron O'Dor will wrap up the event with a superb lecture on the vital biological information generated from tagging cephalopods, including traditional and novel technologies employed to track our favorite animals.

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

In addition to the pre-conference workshops and keynote speakers, an innovation of this CIAC Symposium will be two discussion panels: "Perspectives on cephalopod evolutionary studies" — a theme of growing interest to all of us — and "Perspectives on cephalopod research in Latin America", which could not be more timely. The invited panelists are experts in their fields and will provide a suitable foundation for the discussion of these key topics. We hope that all delegates will actively participate in these discussion panels!

Regarding poster & oral presentations, the CIAC '12 program is very rich and varied with topics ranging from the feeding strategies of the deep-sea vampire squid to the airborne gliding behavior of the purpleback flying squid; and methods ranging from basic functional anatomical investigations (that still give us invaluable, new information on the biology of cephalopods) to the latest technologies in cephalopod genomics.

Present at this Symposium are delegates representing 27 countries, presenting a total of 89 oral presentations and 133 posters. We hope CIAC 2012 will provide excellent opportunities not only to present your research, but also to interact with many researchers whom you otherwise might not meet. Hopefully, this will lead to new, fruitful international (and why not interdisciplinary?) collaborations!

The host city, Florianópolis, has some of the most stunning scenery in Brazil. Commonly referred as "Floripa," Florianópolis is one of the most visited cities in Southern Brazil and, according the United Nations, is the Brazilian state capital with the highest Human Development Index. The island combines the characteristics of a state capital and urban center. With a population of about 421,000 (the entire metropolitan area contains 1 million inhabitants), our city still maintains the peacefulness of a traditional fishing village. The island's amazing natural setting includes areas of preserved Atlantic Forest, sand dunes, mangroves, lagoons, and over 100 beaches.

In conclusion, apart from having a very rich week scientifically, we hope that you also will have fun enjoying Florianópolis!

All the very best,

Érica A. G. Vidal Symposium Chair



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Committees

Organizing Committee

Acácio R. G. Tomas: São Paulo Fisheries Institute, Brazil

Érica A. G. Vidal (Chair): Center for Marine Studies, University of Paraná, Brazil

José Angel A. Perez: Centre for Education in Earth and Sea Science and Technology, University of Vale do Itajaí, Brazil

José Eduardo A. R. Marian (Vice-Chair): Department of Zoology, Institute of Biosciences, University of São Paulo, Brazil

Manuel Haimovici: Oceanographic Institute, University of RioGrande. Brazil

Maria A. Gasalla: Oceanographic Institute, University of São Paulo, Brazil

Roberta Aguiar dos Santos: Research and Management Center for Fisheries Resources, Chico Mendes Institute for Biodiversity Conservation, Brasília, Brazil

Rodrigo S. Martins: Oceanographic Institute, University of SãoPaulo, Brazil

Tatiana S. Leite: Department of Oceanography, University of Rio Grande do Norte, Brazil



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

International Scientific Committee

Christian M. Ibáñez: Instituto de Ecología y Biodiversidad Facultad de Ciencias, Universidad de Chile (Chile)

Clyde Roper: Department of Invertebrate Zoology, Smithsonian Institution (United States of America)

Érica A.G. Vidal: Center for Marine Studies, University of Parana (UFPR) (Brazil)

Graham Pierce Department of Zoology, University of Aberdeen (United Kingdom)

José Angel A. Perez: Centre for Education in Earth and Sea Science and Technology, University of Vale do Itajaí, Brazil

José Eduardo A. R. Marian: Department of Zoology, Institute of Biosciences, University of São Paulo (Brazil)

Louise Allcock: Martin Ryan Marine Science Institute, National University of Ireland, (Ireland)

Manuel Haimovici: Oceanography Institute, University of Rio Grande (FURG) (Brazil)

Maria A. Gasalla: Oceanography Institute, University of São Paulo (IO-USP) (Brazil)

Michael Vecchione: National Museum of Natural History, Smithsonian Institution (USA)

Natalie Moltschaniwskyj: School of Environmental & Life Sciences, University of Newcastle (Australia)

Paul G. Rodhouse: British Antarctic Survey (United Kingdom)

Rodrigo S. Martins: Oceanography Institute, Univeristy of São Paulo (IO-USP) (Brazil)

Roger Villanueva: Instituto de Ciencias del Mar, CSIC (Spain)

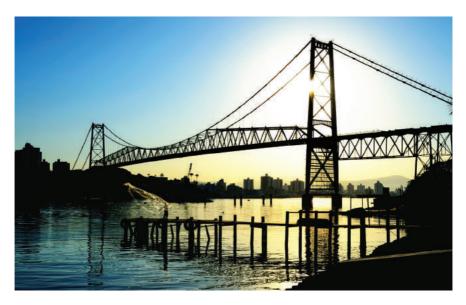
Tatiana S. Leite: Department of Oceanography, University of Rio Grande do Norte (Brazil)

Uwe Piatkowski: Leibniz-Institute of Marine Sciences IFM-GEOMAR (Germany)



General Information

City of Florianópolis - located in the Santa Catarina Island, it is best known by its nickname: Floripa. It has the 4th best Human Development Index in Brazil, and the best life quality of Brazilian state capitals. Its colonization started in the mid-18th century, mostly with the arrival of Portuguese colonists from the Azores Islands. However, the city has taken on a cosmopolitan air with the arrival of Brazilians from other states and foreigners who chose to live here. The island, which in the beginning of the colonization period was an important whale-hunting centre, is today a technological pole of the Information Technology Industry. Floripa is currently inhabited by about 400 thousand people, a number that triples every summer, since tourism is one of the staples of the city's economy. In addition to its popular sugar-soft-white-sand beaches Florianópolis offers many historical attractions, including sites of the original Azorean colonists: Lagoa da Conceição Iagoon, Ribeirão da Ilha, and Santo Antônio de Lisboa.



Symposium Venue - Majestic Palace Hotel

2746, Beira Mar Norte Avenue, Downtown - Florianópolis, SC - Brazil Phone: +55-48-3231-8000. If you are in Florianópolis do not dial 55-48.

CIAC'12

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Symposium Secretariat

Located at the **Floripa Room** (G2 Level) of the hotel. At the Symposium Secretariat you can pick-up your registration bag and badge, as well as obtain general information.

Operating hours:

Saturday and Sunday (October 27 th and 28 th)	_7h30 to 18h30
Monday (October 29 th)	_7h30 to 18h30
Tuesday (October 30 th)	_8h00 to 20h00
Wednesday (October 31 st)	CLOSED
Thursday (November 1 st)	_8h00 to 20h00
Friday (November 2 nd)	_8h00 to 18h30

Participants' Material:

- » Badge with name and country
- » Conference bag with the Symposium material
- » Lunch coupons for the official lunches (Monday, Tuesday, Thursday and Friday)
- » Invitation for the Welcome Reception
- » Invitation for the Official Symposium Dinner

Registered accompanying persons are entitled to the Welcome Reception and Official Symposium dinner. Lunch is not included but it can be bought on a daily basis at the Symposium Secretariat.

We kindly request that all registered participants wear their badge during scientific sections and workshops. It is mandatory to wear your badge to attend any scientific session.

Coffee Break

Will be served twice a day from Monday to Friday (except free day) at the Floripa Room (G2 Level), between 10h30 to 11h00, and 15h30 to 16h00.



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Lunch

Will be served daily from Monday to Friday (except free day) at the Restaurant (E Level). Lunch break is between 12h30 and 14h00. Presentation of the lunch coupons is mandatory at the restaurant entrance. Please note that your lunch coupon gives you a choice of beverage: water, fruit juice or soft drink.

Technical Information

All the presenters are kindly requested to strictly comply to the program schedule and time limit as well as with the presentation guidelines posted in the website (www.ciac2012brazil.com.br). Each oral presentation should not exceed 15 minutes (12 minutes for speaking followed by 3 minutes for questions).

Presentation Equipament

The **Auditorium** is fully equipped to receive the scheduled presentations. You are responsible for handing your PowerPoint file to the CIAC 2012 organization staff 24h before your scheduled presentation at the **media desk** located at Auditorium Hall. Computers will be available at the media desk for last check on your presentation, if necessary. Media desk will be open daily from 07h30 to 17h30.

Poster Display

Posters will be displayed at Floripa Room (G2 Level). Although posters can be visited during the coffee breaks, presenters are expected to stay next to their poster between 18h30 and 20h00 on Tuesday, October 30th and Thursday, November 1st. The number of your poster will be displayed with large printed letters in the upper right hand of the poster board. Posters should be hanged and removed following this schedule:

	Poster hanging	Poster removal
October 29 th and 30 th	From 14h00 Monday to 14h00 Tuesday	
November 2 nd		No later than 12h00



The Symposium staff will keep the posters not removed by the authors until November 2nd. We will not assume any further responsibility for the material.

Poster Sessions I and II

In the evening, poster presentations and happy hour will take place at Floripa Room (G2 Level), from 18h30 to 20h00 on Tuesday and Thursday (October 30th and November 1st).

Social Events

Welcoming Reception: Sunday October 28th

The open ceremony will take place at the Auditorium at 20h00, and the Welcoming Reception at the Floripa Room between 21h00 and 22h30. Please present your invitation at the entrance of the restaurant.

Happy Hour: Tuesday October 30th and Thursday November 1s^t
 Happy Hour will take place between 19h30 to 21h00 at Floripa Room at the end of the Poster Sessions.

Official Symposium Dinner: Friday November 2nd

Official Symposium Dinner will take place at "Alameda Casa Rosa" between 20h00 and 03h00. Transportation will be provided by the Symposium organization and will depart from the Majestic Palace Hotel at 20h00. Transportation will return to the Hotel starting from 02h00. Please bring your invitation.

Optional Day Trips and Tours

Açoriana Agency is ready to hook you up with the best day trips around Floripa or other tours. Please check the options at their stand located at the Auditorium Hall.



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Useful Information

Police and Emergency Numbers

190 - Police

192 - Medical Emergency

194 - Firemen

Phone: 3234 6326 / 9982 8686 - Dentists (24h)

Airport

Hercílio Luz International Airport

Avenida Diomício Freitas, 3393 – Carianos. Phone: 3331-4000

Bus Station

Terminal Rodoviário Rita Maria Avenida Paulo Fontes, 1101 – Centro. Phone: 3212-3100

Airlines Companies

- » Webjet (www.webjet.com.br): 0800 723 1234 (Toll-free number)
- » Gol (www.voegol.com.br): 0800 704 0465 (Toll-free number).
 Phone: 3331-4092 (local airport store)
- » TAM (www.tam.com.br): Phone: 4002-5700
- » Avianca (http://www.avianca.com.br): Phone: 4004-4040
- » **Azul (www.voeazul.com.br):** 0800 884 4040 (Toll-free number). Phone: 4003-1118
- » Trip (www.voetrip.com.br): 0800 722 8747 (Toll-free number). Phone: 3003-8747

· Overseas Embassies and Consulates of Brazil

http://embassy.goabroad.com/embassies-of/brazil#

· Foreign Embassies and Consulates in Brazil

http://embassy.goabroad.com/embassies-in/brazil#

Currency Exchange

Açoriana (Official Travel Agency) will be providing this service at the Auditorium Hall daily from 10h00 to 12h00



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Post Office

Phone: 3025-6789 - Beiramar Shopping Mall, First Floor, 162A and B

Malls

- » Beiramar Shopping 2468, Bocaiúva Street Downtown Monday to Saturday: from 10h00 to 22h00 - Sunday: from 14h00 to 20h00.
- » Shopping Iguatemi 687, Madre Benvenuta Avenue Santa Mônica Monday to Saturday: from 10h00 to 22h00 h - Sunday: from 14h00 to 20h00
- » Floripa Shopping 3116, SC 401 Road-Monte Verde Monday to Saturday: from 10h00 to 22h00 - Sunday: from 15h00 to 21h00.

Submission of Manuscripts

All those participants who wish to publish their papers in the special issues of *Hydrobyology*, *Fisheries Research* and *Journal of Natural History* have to <u>submit their manuscripts during the Symposium or up to November 30th, 2012.</u> All manuscripts should be submitted to Dr. Érica A. G. Vidal (ericavidal2000@yahoo.com.br) or Dr. José Eduardo A. R. Marian (ciac12brazil@gmail.com).



Cephalopod International Advisory Council Symposium 2012 27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

1. Majestic Palace Hotel (Symposium Venue)

Av. Jornalista Rubens de Arruda Ramos, 2746 -Tel: 3231-8000

2. Blue Tree Towers Florianópolis (Hotel)

Rua Bocaiúva, 2304 - Tel: 3251-5555

3. Toca de Jurerê (Seafood)

Rua Demétrio Ribeiro, 148

Monday-Saturday from 12h to 15h,

Sunday from 12h to 16h

4. Kay's Ki Dum Lanches e Crepes (Fast Food, Snacks & Crepe)

Rua Bocaiúva, 2415

Friday & Saturday from 18h to 06h, Sunday-Thursday from 18h to 02h

5. Sanduicheria da Ilha (Best Sandwiches in Town)

Rua Altamiro Guimarães, 18

Monday-Thursday from 11h to 02h.

Friday & Saturday from 11h to 03h, Sunday from 16h to 24h

6. Pizza na Pedra (Pizza)

Av. Jornalista Rubens Arruda Ramos, 2483

Monday-Friday from 18h30h to 24h

Saturday, Sunday & holydays from 12h to 15h and from 18h30h to 24h

7. Yaah Temakeria (Oriental Food)

Rua Bocaiúva, 2297

Monday-Thursday from 11h30 to 1h30 Friday & Saturday from 11h30 to 05h00 Sunday from 18h00 to 1h30

8. Mirantes Restaurantes (Buffet Service)

Rua Bocaiúva, 2256

Monday-Saturday from 11h to 15h

9. Cervejaria Original (Beer House)

Rua Altamiro Guimarães, 126 *Monday-Sunday from 18h to 01h*

10. Shopping Beira Mar – Praça de Alimentação (Food Court with several options)

Av. Mauro Ramos, 1785

Monday-Saturday from 10h to 22h, Sunday from 11h to 22h



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Hotels

» Plaza Baía Norte

Rua Almirante Lamego, 220 - Phone: 3229-3144

» Sofitel Florianópolis

Av. Jornalista Rubens de Arruda Ramos, 2034 – Phone: 3202-6100

Restaurants

» Kaffa (Arabic Food)

Rua Rafael Bandeira, 337 – Centro

Monday–Friday from 11h to 15h and from 18h to 23h

Saturday & Sunday from 11h to 23h30

» El Divino Restaurante

Rua Almirante Lamego, 1147 - Centro

Tuesday-Sunday, starting at 20h

» Kanpai (Oriental Food)

Rua Alves de Brito, 161 – Centro

Thursday-Sunday from 18h to 00h30

Friday & Saturday from 18h to 01h

» Pizzaria Basílico (Pizza)

Rua Rafael Bandeira, 328 - Centro

Tuesday-Sunday from 19h to 24h

» Outback Steakhouse

1st Floor of Beira Mar Shopping –Rua Bocaiúva, 2468 – Centro Monday–Thursday from 12h to 15h and from 18h to 23h Friday from 12h to 15h and from 18h to 01h Saturday from 12h to 01h Sunday & holydays from 12h to 22h

» Macarronada Italiana (Italian Food) Rua Bocaiúva, 2306 Monday-Sunday from 11h to 00:30h



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

» Toca da Garoupa (Seafood)

Rua Alves de Brito, 178 – Centro

Lunch – Monday–Friday from 12h to 15h

Saturday & Sunday from 12h to 16h

Dinner – Monday–Sunday from 19h to 24h

Beer House & Nightclubs

» Absoluto Chopp Bar

Av. Osmar Cunha, 313

Monday-Friday from 17h30 to 01h

» Boteco da Ilha (Beer House)

Av. Jornalista Rubens de Arruda Ramos, 974

Monday-Friday from 17h to 02h

Saturday & Sunday from 18h to 02h

» Cervejaria Original (Beer House)

Rua Altamiro Guimarães, 126

Monday-Friday from 18h to 01h

» El Divino (Nightclub)

Rua Almirante Lamego, 1147

Thursday-Sunday, starting at 24h

» Outback Steakhouse

1st Floor of Beira Mar Shopping

Monday-Thursday from 12h to 15h and from 18h to 23h Friday from 12h to 15h and from 18h to 01h Saturday from 12h to 01h

Sunday & holydays from 12h to 22h



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Pre-conference Workshops

Cephalopod culture: recent advances and challenges

Chair: Dr. Érica A.G. Vidal - Center for Marine Studies, University of Paraná, Brazil Co-Chair: Dr. Roger Villanueva - Institut de Ciències del Mar (CSIC), Spain Secretary: BSc. Rita M. Franco-Santos - Centerfor Marine Studies, University of Paraná, Brazil

Cephalopod research increasingly relies on maintenance of healthy animals in the laboratory. From delicate planktonic forms to robust benthic adults, a variety of species and life stages have been maintained, reared, and cultured, albeit with different degrees of success. The technical advances that have made small-scale husbandry possible have increased our understanding of the general biology, physiology, nutrition and behaviour of cephalopods, as well as opening up aquaculture possibilities for some species. Compiling and interpreting culture information is thus a necessary step in advancing applied cephalopod research. To this end, the Workshop will:

- describe current rearing techniques, including broodstock maintenance, egg incubation, larval & juvenile rearing, grow out, feeding & nutrition, and diseases;
- clearly identify critical research areas and challenges;
- review criteria for evaluating candidate aquaculture species;
- review relevant and recent literature on cephalopod culture;
- stimulate open discussion and encourage collaborative research.

In addition to these topics, participants are encouraged to suggest other relevant subjects within their areas of interest. To enhance the level of interaction, all presenters will be requested to write a summary of their presentations.

Workshop product: A multi-author original paper to be published in the Proceedings of the Symposium or submitted to a review journal.



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Biology, ecology and biodiversity of deep-sea cephalopods

Chair: Dr. José Angel A. Perez - Centre for Education in Earth and Sea Science and Technology, University of Vale do Itajaí, Brazil

Co-Chair: Dr. Henk-Jan Hoving - Monterey Bay Aquarium Research Institute, USA

Secretary: Dr. José Eduardo A.R. Marian - Depto. Zoology, Institute of Biosciences,

University of São Paulo, Brazil

In terms of number of taxa and total biomass, most cephalopods inhabit waters below 200 meters. Due to advances in undersea technology, an increase in general interest in the deep sea as one of the last frontiers in exploration, and the growing exploitation of deep-sea natural resources (e.g., fisheries and oil), our body of knowledge on the diversity, ecology and biology of deep-sea cephalopods has grown exponentially in recent decades. However, this knowledge is still widely dispersed in the literature. In order to increase the efficiency of scientific research on deep-sea cephalopods, our workshop aims to:

- provide a forum for scientists to exchange ideas on research related to deepsea cephalopods;
- present review talks (20 minutes + 10 minutes discussion, by one or more authors) that outline the current knowledge in various topics (physiology, diversity, feeding ecology, collection techniques, etc.).

We will prepare a list of suggested topics for review talks, but presenters may also propose their own. If more than one scientist is interested in giving a talk on a particular topic, we will encourage collaboration. Authors signing up to give review talks are expected to write a contribution on this topic, in a format to be determined. Graduate students are also encouraged to present (or co-present) a review talk.

Workshop product: The reviews will be integrated into one or more scientific publications, either as a combined paper (or series of papers) in the Symposium Proceedings or as a synthetic review paper to be submitted to an outside journal.



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Habitats and behaviour of key cephalopod life stages

Chair: Dr. Jean Paul Robin - CNRS INEE, Biologie des Mollusques Marins et des Ecosystèmes Associés, IBFA - Universite De Caen Basse-Normandie, France

Co-Chair: Dr. Mike J. Roberts - Oceans and Coasts. Department of Environment Affairs. South Africa

Secretary: Dr. Tatiana S. Leite - Depto. Oceanography, University of Rio Grande do Norte, Brazil

Cephalopod populations are extremely sensitive to environmental variability. This sensitivity is of particular concern for populations that are heavily fished, as environmental parameters have a significant impact on cohort success. Most cephalopod species also exhibit ontogenetic migrations, exposing different life stages to different environments.

The analysis of environmental variability includes both individual variables (temperature, depth, salinity) and multivariate descriptions of habitats, over small to large spatial scales. Local habitat features can also influence cephalopod behaviour, such as the effect of substratum type on spawning. Ecosystembased management is an opportunity to better integrate existing information about cephalopod habitats, as well as a new context for the development of population studies. The broader the range of ecological parameters considered, the better our understanding of ecosystem interactions. Stock protection is intimately related to 0other components of the ecosystem and services other than fisheries. The objectives of this workshop are:

- To highlight the use of detailed descriptions of biotic and abiotic factors in defining "preferred habitats";
- To invite a broader audience into discussion of trophic ecology and other biotic factors affecting cephalopod dynamics;
- To document habitat choice and behavioural reactions to sub-optimal environment:
- To discuss the application of key factor analyses to life cycles and population dynamics, and adopt a common definition and technique for identifying "key life stages."Outcome: The workshop will be integrated into a review paper and published in the Proceedings of the Symposium or submitted to a review journal.



20

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Cephalopod population dynamics, environmental effects, stock assessment and management

Chair: Dr. Paul G. Rodhouse - British Antarctic Survey, High Cross, Madingley Road, Cambridge CB3 0ET, UK

Co-Chair: Dr. Yasunori Sakurai - Faculty of Fisheries, Hokkaido University, Hakodate, Hokkaido 041-8611, Japan

Secretary: Dr. Rodrigo S. Martins - Oceanographic Institute, University of São Paulo, São Paulo, SP, Brazil

As the prototypical semelparous organisms, most coleoid cephalopods experience both the advantages and hazards of a short life cycle with a single reproductive event at the end. To offset the risk of recruitment failure, cephalopods have evolved adaptations such as internal fertilization, encapsulated eggs and direct development. Therefore, much of cephalopod population dynamics and stock sizes available for fished species are driven by environmental variability. Comprehensive research on population dynamics, stock assessment and proper management needs to take into account the environmental variability acting on both the spawning stock and early life stages. Bearing this in mind, the aims of this workshop are:

- (1) to review available knowledge on cephalopod population dynamics;
- (2) to update attendees on the most suitable, state-of-the-art study techniques;
- (3) to summarize current knowledge and identify gaps and research needs;

Those goals will be reached through open discussions and presentations of key issues and reviews. A list of key issues will be provided in due time, and attendees are encouraged to suggest relevant topics for inclusion in this list at any time. All participants (including students) are invited to present their latest research and/or a comprehensive review within their area of expertise.

Workshop product: workshop outputs would be synthetized in a comprehensive review paper to be published in the Proceedings of the Symposium or submitted to a peer-reviewed journal.



Invited Speakers

Studying problems: Interdisciplinary approaches to Cephalopod Biology

Angel Guerra

Instituto de Investigaciones Marinas (CSIC). Eduardo Cabello 6, 36208 Vigo, Spain. angelguerra@iim.csic.es

The efficiency of the collaboration between individual researches or groups that cultivate different research fields does not question and interdisciplinarity is emerging. However, interdisciplinarity carries on some indispensable requirements and raises certain problems. This talk deals with two aspects: first, on some requirements and barriers of the interdisciplinary research, and second, on some items towards, from my view, an interdisciplinary research on the biology of the cephalopods might set out. The first basic requirement to develop a productive and effective interdisciplinary research is to define adequately a problem of study. The second is integration. Impediments to interdisciplinary research might be found in five major categories: attitude, communication, academic structure, funding, and career development. The feature that will be focused here is communication, mainly the problem associated with the consideration of "hard" and "soft" disciplines. Selected examples serve to illustrate these requirements and barriers. The item "discovering specific problems in cephalopod biology" is centered in the following three perspectives: 1a) Cephalopods as experimental animals, 2a) Cephalopods in the ecosystems, and 3a) Cephalopods as source of natural products. Specific topics that could represent potential interdisciplinary research projects are given. I aimed to show: I) that the biology of cephalopods provides many interesting problems to be focused with interdisciplinary approaches: ii) that it is time to establish more solid bridges between CIAC's members and other research groups in order to design and develop more interdisciplinary projects; iii) that opening mind, collaboration and harmony would allow science to advance more rapidly making transfer of knowledge more effective and direct; and iv) that this attitude would

provide more opportunities to obtain suitable funds for cephalopod research. In fact, the main tendency in the majority of the western countries, but also in the most developed eastern ones, is to fund interdisciplinary proposals.

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Women in cephalopod research: past and present

Louise Allcock

Martin Ryan Marine Science Institute, National University of Ireland, Galway, Ireland. louise.allcock@gmail.com

This talk explores the contribution that women past and present have made to cephalopod research. Beginning with some of the strong women from the earlier half of the twentieth century it explores some of the prejudices faced by these pioneering female scientists such as Anna Bidder and Grace Pickford. An analysis of the studies undertaken by women who have devoted the greater part of their research career to cephalopods shows that a large proportion have contributed particularly to our knowledge of systematics and evolution. The talk follows developments in cephalopod evolutionary biology tracing a path to the last few years where female researchers have been extremely active in molecular systematics and evolution. The very latest developments in this field are described and the existing gaps in our knowledge and avenues for future research are highlighted. Finally, the unique CIAC atmosphere and community, which provides an even playing field for female researchers, is celebrated.



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Natural and anthropogenic factors that characterize environment, life cycle and biology of cephalopods

Uwe Piatkowski

Helmholtz Centre for Ocean Research Kiel, GEOMAR, Düsternbrooker Weg 20, 24105 Kiel, Germany.

upiatkowski@geomar.de

Numerous abiotic and biotic factors affect the distribution of cephalopods and thus characterise the environment in which they live. One of the most important of these factors is water temperature. For example, temperature is the key factor which controls where and when oceanic squid spawn, feed or rest. It therefore determines largely the life cycle of many pelagic cephalopods. In nearshore or bottom living cephalopods such as many incirrate octopods or cuttlefish the structure of the bottom habitat is of crucial importance as some species need hard rocky substrates, others prefer sandy bottoms. Other significant factors are for example salinity, oxygen, pressure, nutrients, turbidity. The various life stages of most cephalopod species react differently to such environmental factors. A prominent example is that eggs and early life stages of cephalopods are much more sensible to changing temperature or oxygen values than their adult stages. Cephalopods and their relation to these factors is still one of the most investigated subjects in cephalopod science, resulting in a vast amount of experiments and literature. Recently, stress factors such as low oxygen, low pH, or pollutants are attracting more and more interest in the cephalopod community, because it has been documented that these stressors negatively influence growth, mobility and well-being of many cephalopod species. Their effects are increasing in an ocean of change and alter the environment harmfully in which most cephalopods live. The present talk will briefly highlight how some of the various factors influence cephalopod life cycles and their environment and summarise the contributions to the session on cephalopods and the environment.



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

What can we learn from tagging cephalopods? Climate change, ecosystem dynamics and energetics?

Ron O'Dor

Biology Department, Dalhousie University, 1355 Oxford Street, Halifax, NS, B3H 4J1, Canada.

ron.odor@dal.ca

The Ocean Tracking Network (OTN) grew out of two Census of Marine Life tagging projects that together provide coverage for three trophic levels of interactions in ocean ecosystems. Researchers are pressing for standards and protocols allowing universal storage and sharing of a broad spectrum of biological and physical oceanographic information from combined systems to understand changing patterns produced by climate change and altered ecosystems. Society needs information to manage marine resources in an ecosystem context and standardized approaches encourage investment in new technologies compatible with global systems. OTN core funding is from Canada, but it now has standardized equipment in every ocean. Fortunately, cephalopods remain among the most interesting species to be studied because most are highly mobile and respond rapidly to fill niches created by climate and fishing. A wide variety of octopus, squid, cuttlefish and nautilus have been tagged around the world, many by my students and more by CIAC colleagues. No doubt there will be new reports during this meeting, which I will endeavor to integrate into the historical context. Tagging starts with passive numbered tags put into animals that are released and have to re-caught. Archival tags store lots of data of all sorts, including geo-positioning, but they also have to be recovered, although some release themselves, pop to the surface and report to satellites. Acoustic tags produce sound codes unique to each animal that are detected by the receiver lines that OTN deploys as the animal passes over them. These are particularly useful in cephalopods because they can be carried by animals as small as 5g. OTN is testing 'Bioprobes' that use transceivers that

both send and receive acoustic signals so a large animal can record its interactions with small ones. The Gilly Lab at Stanford University has done extensive studies of *Dosidicus gigas* recently



27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

as it has expanded its range from Mexico to Alaska, and while they still can't be sure 'why', a variety of tag types have given a lot 'how' data. The most advanced tags now talk to GPS satellites to give precise when and where data, but these are not very useful for most cephalopods because they only work at the surface. However, we have recently published some high-profile information on the energetics of flying squid and at least dream of tagging squid so that they can report when and where they fly! I will tell you more.

CIAC '12 PROGRAM

	27th October Saturday	28th October Sunday	29th October Monday	30th October Tuesday	31st October Wednesday	1st November Thursday	2nd November Friday
8h30-9h00			Opening Talk: Dr. Angel Guerra	Keynote Talk: Dr. Louise Allcock		Keynote Talk: Dr. Uwe Piatkowski	Oral presentations
9h00-10h30	Workshops	Workshops	Oral presentations Reproductive Biology	Oral presentations Taxonomy, biogeography & biodiversity		Oral presentations Cephalopods and the environment	The role of cephalopods in marine ecosystems
10h30-11h00	Coffee break	Coffee break	Coffee break	Coffee break		Coffee break	Coffee break
11h00-12h30	Workshops	Workshops	Oral presentations Behavior	Oral presentations Taxonomy Evolution & Genetics		Oral presentations Cephalopods and the environment	Oral presentations Early Life History I
12h30-14h00	Break	Break	Lunch	Lunch		Lunch	Lunch
14h00-15h30	Workshops	Workshops	Oral presentations Fisheries	Oral presentations Evolution & Genetics		Oral presentations Cephalopods and the environment Culture	Oral presentations Early Life History II
15h30-16h00	Coffee break	Coffee break	Coffee break	Coffee break		Coffee break	Coffee break
16h00-17h00		Workshops	Oral presentations Management, stock assessment & conservation	Oral presentations Anatomy & Physiology	Free Day (Tours)	Oral presentations Age & Growth Migration & movement	Oral presentations Early Life History III
17h00-17h30	Workshops		Group Photo	Discussion Panel:	AV.	Discussion Panel:	Closure Talk: Dr. Ron O'Dor
17h30-18h30		Workshops closure	Workshops Synopses	Perspectives on Cephalopod Evolutionary Studies"		Perspectives on Cephalopod Research in Latin America"	Closure Ceremony Student Oral & Poster Presentation Awards Best Paper Award /
18h30-20h00				Poster Session 1		Poster Session II	
20h00-20h30		0					
		Welcome Reception at the Majestic					
20h30-		Palace Hotel					Official Symposium Dinner

CIAC '12 PROGRAM Oral Presentations - Auditorium

MONDAY 29TH OCTOBER 2012

08h30-09h00 OPENING TALK: "STUDYING PROBLEMS: INTERDISCIPLINARY

APPROACHES TO CEPHALOPOD BIOLOGY"

Dr. Ángel Guerra, Instituto de Investigaciones Marinas (CSIC), Vigo, Spain

SYMPOSIUM SESSION: REPRODUCTIVE BIOLOGY

Chair: José Eduardo A. R. Marian

09h00-09h15 THE ONTOGENETIC PERIODIZATION OF SPERMATOPHOROGENESIS IN

COLEOID CEPHALOPODS

Chingiz Muchametovich Nigmatullin; Rushan Mirzivich Sabirov

09h15-09h30 FECUNDITY AND SPAWNING STYLE OF OCTOPODS FROM THE

FALKLAND ISLANDS AND SOUTH ORKNEY ISLANDS AS SHOWN BY THE

STUDY OF SPENT FEMALES

Vladimir Laptikhovsky

09h30-09h45 DISTRIBUTION AND SIGNS OF BIOLOGY OF THE WARTY BOBTAIL SQUID

Rossia palpebrosa IN THE BARENTS SEA AND ADJACENT WATERS

Alexey Valentinovich Golikov; Rushan Mirzovich Sabirov;

Arseniy Romanovich Morov; Pavel Anatolievich Lubin; Lis Lindal Jørgensen

09h45-10h00 REPRODUCTIVE ACTIVITY OF THE TROPICAL ARROW SQUID

Doryteuthis plei AROUND SÃO SEBASTIÃO ISLAND (SE BRAZIL) BASED

ON A 10YR FISHERIES MONITORING Felippe Aldert Postuma: Maria Gasalla

10h00-10h15 GROWTH, MATURATION AND METABOLISM OF REARED Metasepia

tullbergi

Yuya Umezu; Kotaro Tsuchiya; Susumu Segawa

10h15-10h30 THE EVAGINATING SPINY-TUBE PERFORATING MECHANISM: A

THEORETICAL MODEL TO EXPLAIN SPERMATOPHORE IMPLANTATION

IN CEPHALOPODS

José Eduardo A. R. Marian

10h30-11h00 COFFEE BREAK

SYMPOSIUM SESSION: BEHAVIOR

Chair: Jennifer Mather

11h00-11h15 HOW FAR SQUID CAN FLY OUT OF THE WATER

Tsunemi Kubodera

11h15-11h30 THE ORIGIN OF VISUAL COMMUNICATION: Sepia pharaonis BODY

PATTERNS AND CONTEMPORARY ART

Ryuta Nakajima; Yuzuru Ikeda

11h30-11h45 THE POSSIBILITY OF CRYPTIC FEMALE CHOICE VIA SPERM REMOVAL IN

THE JAPANESE PYGMY SQUID, Idiosepius paradoxus

Noriyosi Sato; Takashi Kasugai; Hiroyuki Munehara

	MONDAY 29TH OCTOBER 2012
11h45-12h00	FEEDING BEHAVIOR IN JUVENILE Octopus maya: SELECTIVE ATTACK ON DIFFERENT TYPES OF PREY Esther Portela; Carlos Rosas; Nuno Simoes
12h00-12h15	ANESTHESIA OF Octopus vulgaris WITH THE VOLATILE GENERAL ANESTHETIC ISOFLURANE Gianluca Polese; Francesco Paolo Ulloa Severino; William Winlow; Anna Di Cosmo
12h15-12h30	OCTOPUS PREY CHOICE: EVALUATION OF THE GENERALIST- SPECIALIST SPECTRUM Jennifer Mather; Tatiana Leite; Allan Batista
12h30-14h00	LUNCH
SYMPOSIUM SE Chair: Manuel Ha	ESSION: FISHERIES aimovici
14h00-14h15	DISTRIBUTION, TRAWLING EXPLOITATION PATTERNS AND SIZE COMPOSITION OF OCTOPUS (Octopus vulgaris) IN PORTUGUESE WATERS (NORTHEAST ATLANTIC) João Manuel Figueiredo Pereira; Teresa Pilar-Fonseca; Ana Cristina Andrade Moreno Marques; Manuel Afonso-Dias; Aida Campos
14h15-14h30	QUANTITATIVE ANALYSIS OF THE BEHAVIOR OF LONGFIN INSHORE SQUID (Doryteuthis pealeii) IN REACTION TO A SEPARATING GRID OF A DEMERSAL TRAWL Shannon Bayse; Michael Pol; David Chosid; Mark Szymanski; Pingguo He
14h30-14h45	A PRELIMINARY INVESTIGATION INTO THE BIOLOGICAL CAPACITY OF THE Octopus cf. tetricus POPULATION IN WESTERN AUSTRALIA Stephen Charles Leporati; Anthony Michael Hart; Linda Franken; Martin de Graaf
14h45-15h00	IMPACT OF DECADAL SCALE CLIMATE CHANGES ON THE PEAK OF FISHING SEASON AND SITE OF FISHING GROUNDS OF JAPANESE COMMON SQUID Todarodes pacificus Hideaki Kidokoro; Norio Yamashita; Yasunori Sakurai
15h00-15h15	ENVIRONMENTAL EFFECTS ON SEASONAL VARIABILITY IN LONGFIN INSHORE SQUID CATCH IN NANTUCKET SOUND (NORTHEAST USA) Owen C. Nichols; Ernie Eldredge; Steven X. Cadrin
15h15-15h30	CHARACTERIZATION OF OCEANOGRAPHIC CONDITIONS OF THE FISHING GROUNDS OF THE NEON FLYING SQUID (Ommastrephes bartramii) IN THE NORTH PACIFIC OCEAN Yoshiki Kato; Mitsuo Sakai; Hiromichi Igarashi; Haruka Nishikawa; Yoichi Ishikawa; Masaki Seitou; Masahito Ebina; Norihisa Usui; Masafumi Kamachi; Toshiyuki Awaji
15h30-16h00	COFFEE BREAK

MONDAY 29TH OCTOBER 2012

SYMPOSIUM SESSION: MANAGEMENT, STOCK ASSESSMENT AND CONSERVATION Chair: Natalie Moltschaniwskyj

16h00-16h15 **POPULATION STOCK IDENTIFICATION OF Dosidicus gigas USING LA-ICP-MS FOR STATOLITH TRACE ELEMENTAL FINGERPRINTING**

N. Scarlett M. Arbuckle; John H. Wormuth

16h15-16h30 ANALYSIS OF SPATIAL AND TEMPORAL POPULATION STRUCTURE OF

ARROW SQUID (Nototodarus gouldi) USING STATOLITH ELEMENTAL

COMPOSITION AND SHAPE

Corey Paul Green; Natalie A. Moltschaniwskyj; Simon Gerard Robertson;

Paul Hamer; Patti Virtue; George Jackson

16h30-16h45 A BIOMASS MODEL APPLIED TO THE ENGLISH CHANNEL CUTTLEFISH

STOCK TO DISENTANGLE FISHING PRESSURE AND RECRUITMENT

VARIABILITY

Beatriz A. Roel; Franck Coppin; Eric Foucher; Jean-Paul Robin; Michael Gras

16h45-17h00 CHANGES IN SPAWNING PRODUCTION AND POPULATION SIZE IN

Sepioteuthis australis: TRACKING A DECADAL LONG DECLINE AT

MULTIPLE TIME SCALES

Natalie A. Moltschaniwskyj; Andy M. Fischer; Klaas Hartmann; Jeremy Lyle;

Gretta Pecl; Sean Tracey

17h00-17h30 **GROUP PHOTO**

17h30-18h30 WORKSHOPS SYNOPSES

TUESDAY 30TH OCTOBER 2012

08h30-09h00 KEYNOTE TALK: "WOMEN IN CEPHALOPOD RESEARCH: PAST AND

PRESENT"

Dr. Louise Allcock, Martin Ryan Marine Science Institute,

National University of Ireland, Galway, Ireland

SYMPOSIUM SESSION: TAXONOMY, BIOGEOGRAPHY AND BIODIVERSITY

Chair: Michael Vecchione

09h00-09h15 OBSERVATIONS OF DEEP-SEA CEPHALOPODS BY THE SERPENT

PROJECT IN THE GULF OF MEXICO, 2002-2010

Michael Vecchione; Mark C. Benfield

09h15-09h30 THE DISTRIBUTION, DIVERSITY, AND IMPORTANCE OF CEPHALOPODS

IN TOP PREDATOR DIETS FROM OFFSHORE HABITATS OF THE

NORTHWEST ATLANTIC OCEAN

Michelle D. Staudinger; Francis Juanes; Brandi Salmon; Amy Teffer

09h30-09h45 THE SQUID GENUS Teuthowenia IN NEW ZEALAND WATERS:

SYSTEMATICS, ECOLOGY AND BIG, GOOGLY EYES
Aaron Boyd Evans; Kat Bolstad; Monica Acosta

09h45-10h00 THE Octopus COMPLEX IN THE TAYRONA SECTOR, SOUTHERN

CARIBBEAN

Jürgern Guerrero-Kommritz

10h00-10h15 CEPHALOPODS IN THE POTENTIAL PREY FIELD OF SPERM WHALES

(Physeter macrocephalus) IN THE NORTHERN GULF OF MEXICO
Heather Judkins: Scarlett Arbuckle: Michael Vecchione: Lance P. Garrison:

Anthony Martinez

10h15-10h30 ECOLOGY AND SYSTEMATICS OF WHIP-LASH SQUID (CEPHALOPODA:

MASTIGOTEUTHIDAE) FOUND IN NEW ZEALAND WATERS

Heather Elizabeth Braid; Kathrin Bolstad

10h30-11h00 COFFEE BREAK

SYMPOSIUM SESSION: TAXONOMY, BIOGEOGRAPHY AND BIODIVERSITY

Chair: Clyde Roper

11h00-11h15 A CRITICAL REVIEW OF THE AUSTRALASIAN OCTOPOTEUTHID FAUNA

(CEPHALOPODA: OEGOPSIDA), INCLUDING TWO NEW SPECIES

Jesse Tyler Kelly

11h15-11h30 OCCURRENCE OF Octopus insularis AND OBSERVATIONS ON ITS

FEEDING AND MATING IN TRINDADE AND MARTIN VAZ ARCHIPELAGO

OFF SOUTHEASTERN BRAZIL

Tatiana Silva Leite; Jaciana C. Barbosa; Lidiane Bahls De Almeida;

Françoise Dantas De Lima; Manuel Haimovici

11h30-11h45 CEPHALOPODS IN MICRONEKTON TRAWLS ON THE SOUTHERN MID-

ATLANTIC RIDGE AND WALVIS RIDGE

José Angel Alvarez Perez; Kathrin Bolstad; Marek Lipinski;

Érica A.G. Vidal

TUESDAY 30TH OCTOBER 2012

SYMPOSIUM SE Chair: Louise Alle	ESSION: EVOLUTION & GENETICS
11h45-12h00	NEOTENOUS ORIGIN OF <i>Spirula</i> LAMARCK, 1799? – EVIDENCE FROM A MORPHOLOGICAL SERIES OF FOSSILS Dirk Fuchs
12h00-12h15	PHYLOGENETIC RELATIONSHIPS AMONG CEPHALOPODS: IMPLICATIONS FOR CHARACTER EVOLUTION Annie R. Lindgren; Molly S. Pankey; Todd H. Oakley
12h15-12h30	SHOOT OUT THE LIGHTS: THE EVOLUTION OF BACTERIAL BIOLUMINESCENCE IN LOLIGINIDAE Frank E. Anderson; Alexis Bergman; Samantha H. Cheng; Sabrina Pankey; Tooraj Valinassab
12h30-14h00	LUNCH
SYMPOSIUM SE Chair: Jan Strugi	ESSION: EVOLUTION & GENETICS nell
14h00-14h15	A MOLECULAR SEARCH FOR THE GIANT SQUID Inger Winkelmann; Jan M. Strugnell; M. Thomas P. Gilbert
14h15-14h30	THE CEPHALOPOD SEQUENCING CONSORTIUM (CEPHSEQ) AND A CALL FOR NEW CEPHALOPOD MODELS IN FUNCTIONAL GENOMICS AND NEXT-GENERATION LIFECYCLE IMAGING Eric Edsinger-Gonzales; Caroline B. Albertin; Clifton W. Ragsdale; Daniel S. Rokhsar
14h30-14h45	GENOME SEQUENCE OF THE PYGMY SQUID AND THE EVOLUTION OF GIANT BRAIN OF CEPHALOPODS Masa-Aki Yoshida; Takashi Gojobori; Atsushi Ogura
14h45-15h00	A GENETIC ASSESSMENT OF THE ONYCHOTEUTHIDAE Kat Bolstad; Annie Lindgren
15h00-15h15	PHYLOGENETIC RELATIONSHIPS WITHIN THE Sepioteuthis cf. Iessoniana COMPLEX IN THE INDIAN AND INDO-PACIFIC OCEANS USING MITOCHONDRIAL AND NUCLEAR DATA Samantha Hue Tone Cheng; Frank E. Anderson; Alexis Bergman; I Gusti Ngurah Kade Mahardika; Z. A. Muchlisin; Dang Binh Thuy; Hilconida P. Calumpong; K. Sunil Mohamed; Geetha Sasikumar; Vellathi Venkatesan; Paul Henry Barber
15h15-15h30	ALLOPATRIC SPECIATION WITHIN A CRYPTIC AUSTRALASIAN OCTOPOD SPECIES COMPLEX Michael Amor; Mark Norman; Hayley Cameron; Jan Strugnell
15h30-16h00	COFFEE BREAK

TUESDAY 30TH OCTOBER 2012

SYMPOSIUM SESSION: ANATOMY AND PHYSIOLOGY

Chair: Patricia Jereb

16h00-16h15 VENTILATION RATES AND ACTIVITY LEVELS OF JUMBO SQUIDS UNDER

METABOLIC SUPPRESSION IN THE OXYGEN MINIMUM ZONES

Katja Trübenbach; Maria Rita Pegado; Brad Seibel; Rui Rosa

16h15-16h30 EVIDENCE FOR DUAL SIGNAL TRANSDUCTION PATHWAYS IN THE

SQUID, *Lolliguncula brevis*Mary T. Lucero; Arie S. Mobley

16h30-16h45 SEXUALLY DIMORPHIC, SWITCHABLE IRIDESCENCE OF Doryteuthis

opalescens OFFERS A POTENTIAL FOR MALE MIMICRY

Daniel G. DeMartini; Daniel E. Morse

16h45-17h00 RE-EXAMINING TETRODOTOXIN PRODUCING BACTERIA IN BLUE-

RINGED OCTOPUSES

Becky Williams; Amber Stokes; Michele Nishiguchi

17h00-18h30 DISCUSSION PANEL: "PERSPECTIVES ON CEPHALOPOD EVOLUTIONARY STUDIES"

Invited panelists:

Dr. Michael Vecchione (moderator):

NOAA National Systematics Laboratory, National Museum of Natural History, Smithsonian Institution, Washington, DC (USA)

Dr. Frank Anderson:

Department of Zoology, Southern Illinois University, Carbondale, Illinois (USA)

Dr. Dirk Fuchs:

Institut für Geologische Wissenschaften, Fachrichtung Paläontologie, Freie Universität Berlin, Berlin (Germany)

Dr. Vladimir Laptikhovsky:

Falkland Islands Fisheries Department, Stanley (Falkland Islands)

Dr. Annie Lindgren:

Department of Biology, Portland State University, Portland, OR (USA)

Dr. Jan Strugnell:

Department of Genetics, La Trobe Institute for Molecular Science, La Trobe University, Bundoora, Victoria (Australia)

18h30-20h00 POSTER SESSION I

THURSDAY 1ST NOVEMBER 2012

08h30-09h00 KEYNOTE TALK: "NATURAL AND ANTHROPOGENIC FACTORS THAT

CHARACTERIZE ENVIRONMENT, LIFE CYCLE AND BIOLOGY OF

CEPHALOPODS"

<u>Dr. Uwe Piatkowski,</u> Helmholtz Centre for Ocean Research Kiel, GEOMAR, Kiel, Germany

SYMPOSIUM SESSION: CEPHALOPODS AND THE ENVIRONMENT

Chair: Ángel González

09h00-09h15 MODELLING HABITAT USE OF LESSER OCTOPUS Eledone cirrhosa TO

IDENTIFY MARINE PROTECTED AREAS FOR RISSO'S DOLPHIN Grampus

griseus IN SCOTTISH WATERS

Graham J Pierce; Colin D Macleod; Finlay Burns; Sarah Dolman;

Andrew Brownlow; Mike Tetley; M. Begoña Santos

09h15-09h30 IMPACTS AND IMPLICATIONS OF AMBIENT ENVIRONMENTAL

VARIABLES ON THE SPATIAL DISTRIBUTION OF SQUID (Loligo reynaudi)

Jean M.W. Githaiga-Mwicigi; Michael J. Roberts; Michael Lucas

09h30-09h45 RELATIONSHIP BETWEEN SEASONAL VARIATION IN SIZE OF JUMBO

FLYING SQUID (Dosidicus gigas) AND ENVIRONMENTAL FACTORS

Kazuhiro Sadayasu; Yoshiki Kato; Junichi Abo; Mitsuo Sakai;

Kousuke Takahashi; Yousuke Ochi

09h45-10h00 QUANTIFYING SPAWNING HABITAT FOR THE CALIFORNIA MARKET

SQUID, Doryteuthis opalescens

Louis David Zeidberg; Chad Miller; J. Ashley T. Booth

10h00-10h15 BIOLOGICAL VARIATION IN COASTAL STAGES OF THE ENGLISH

CHANNEL COMMON CUTTLEFISH (Sepia officinalis) AND FISHERY

IMPLICATIONS

Jean-Paul Robin; Michael Gras; Karine Grangeré; Christelle Caplat; Paul Shaw;

Emma Jackson; Isobel Bloor; Beatriz Roel; Franck Coppin

10h15-10h30 THE INFLUENCE OF THE TROPHIC HABITAT ON THE QUALITY OF THE

GONAD OF Octopus vulgaris USING STABLE ISOTOPES AND LIPID

CLASS AS BIO-INDICATORS

Sílvia Lourenco: Luís Narciso: Ángel González: João Pereira: Santiago Auborg:

José C. C. Xavier

10h30-11h00 COFFEE BREAK

SYMPOSIUM SESSION: CEPHALOPODS AND THE ENVIRONMENT

Chair: Graham Pierce

11h00-11h15 SPATIO-TEMPORAL ANALYSIS OF DISTRIBUTION AND ABUNDANCE OF

LESSER OCTOPUS Eledone cirrhosa IN NORTH-EASTERN ATLANTIC

WATERS

Marcos Regueira; Angel F. González; Angel Guerra

THURSDAY 1ST NOVEMBER 2012

12h30-14h00	LUNCH
12h15-12h30	OCEANOGRAPHIC CONDITIONS OF YUCATAN PENINSULA MODULATE PHYSIOLOGICAL AND IMMUNOLOGICAL CONDITION OF Octopus maya Cristina Pascual Jiménez; Rossanna Rodríguez Canul; Cecilia Enríquez; Ariadna Sánchez Arteaga; Maite Mascaró Miquelajáuregui; Pedro Pablo Gallardo Espinosa; Carlos Rosas Vázquez
12h00-12h15	FROM EGGS TO SPAWNERS: ALL KEY LIFE-STAGES OF THE TROPICAL ARROW SQUID <i>Doryteuthis plei</i> AROUND A COASTAL ISLAND OFF SE BRAZIL Maria Gasalla; Felippe Aldert Postuma; Rodrigo Silvestre Martins
11h45-12h00	LIFE-HISTORY AND POPULATION DYNAMICS OF THE RANGE EXTENDING Octopus tetricus IN SOUTH-EASTERN AUSTRALIA Jorge Ramos; Gretta Pecl; Rafael León; Natalie Moltschaniwskyj; Jayson Semmens; Jan Strugnell
11h30-11h45	ESSENTIAL HABITATS FOR JUVENILE Octopus vulgaris ALONG THE PORTUGUESE COAST Ana Moreno; Sílvia Lourenço; João Pereira; Miguel Gaspar; Henrique Nogueira Cabral; Graham John Pierce; Antonio Miguel Piecho Almeida Santos
11h15-11h30	SPATIAL DISTRIBUTION OF <i>Illex argentinus</i> IN SAN MATIAS GULF (NORTHERN PATAGONIA, ARGENTINA) IN RELATION TO ENVIRONMENTAL VARIABLES Augusto César Crespi-Abril; Enrique Mario Morsan; Gabriela Noemí Williams; Domingo Antonio Gagliardini

Chair: Uwe Piatwoski

14h00-14h15 VAMPIRE SQUID: DETRITIVORES IN THE OXYGEN MINIMUM ZONE

Henk-Jan Hoving; Bruce Robison

14h15-14h30 DISTRIBUTION AND ABUNDANCE OF JUVENILE JUMBO FLYING SQUID

Dosidicus gigas OFF PERU IN DECEMBER 2011 TO JANUARY 2012 FOLLOWING THE 2009/2010 EL NINO

OLLOWING THE 2000/2010 LE MINO

Mitsuo Sakai; Toshie Wakabayashi; Yoshiki Kato; Carmen Yamashiro;

Luis Mariategui; Ricardo Tafur; Kotaro Tsuchiya

14h30-14h45 FACTORS INFLUENCING DISTRIBUTION AND ABUNDANCE OF Octopus

INSIDE AND OUTSIDE OF A MARINE PROTECTED AREA IN A KELP

FOREST ROCKY REEF ECOSYSTEM
Jennifer Krista Kaulalani Hofmeister

SYMPOSIUM SESSION: CULTURE

Chair: José Iglesias

14h45-15h00 LAND BASED AQUACULTURE OF COMMON OCTOPUS IN JAPAN

lan G. Gleadall

THURSDAY 1ST NOVEMBER 2012

GENETIC VARIATION IN CONSECUTIVE GENERATIONS OF CULTURED 15h00-15h15

CUTTLEFISH, Sepia officinalis

J. Pedro Andrade; Filipa Duarte Baptista; António Vilhena Sykes; José María

Porta: Javier Porta

15h15-15h30 **ACTUAL STATUS AND BOTTLENECK OF Octopus maya NUTRITION: IN**

THE WAY OF A FORMULATED DIET FOR ITS AQUACULTURE Pedro Gallardo: Maite Mascaró: Cristina Pascual: Ariadna Sánchez:

Claudia Caamal Monsreal; Rosario Martínez Yáñez; Marcela Linares Aranda;

Guadalupe Villegas Bárcenas; Lenin Fabian Canseco; Carlos Rosas

15h30-16h00 **COFFEE BREAK**

SYMPOSIUM SESSION: AGE & GROWTH

Chair: Angel Perez

16h00-16h15 SPATIO-TEMPORAL VARIABILITY IN GROWTH OF Illex argentinus IN

RELATION TO THE ENVIRONMENTAL GRADIENTS EXPERIENCED IN THE

NORTH EXTREME OF DISTRIBUTION Rafael Schroeder; José Angel Alvarez Perez

16h15-16h30 INTERSEASONAL AND INTERANNUAL DIFFERENCES IN GROWTH AND

MATURITY OF Illex argentinus ALONG SOUTHERN BRAZIL

Manuel Haimovici: Mara C.R.S. Bainy: Roberta Aguiar Dos Santos

SYMPOSIUM SESSION: MIGRATION & MOVEMENT

Chair: Warwick Sauer

16h30-16h45 INVESTIGATING THE MOVEMENT. BEHAVIOR AND HABITAT USE OF Sepia officinalis ON INSHORE JUVENILE AND SPAWNING GROUNDS IN

THE ENGLISH CHANNEL

Isobel Bloor; Victoria J. Wearmouth; Matthew McHugh; Stephen Cotterell;

Emma L. Jackson: Martin Attrill: David W. Sims

16h45-17h00 SPATIAL STRUCTURE OF THE METAPOPULATION OF CHOKKA SQUID

Loligo revnaudi D'ORB., 1848 IN SOUTHERN AFRICAN WATERS

Marek Roman Lipinski; Warwick Hugo Hans Sauer; Paul Shaw;

Johan Samuel Frederik van der Vyver; Terence Anthony Stonier; Dawit Yemane

17h00-18h30 DISCUSSION PANEL: "PERSPECTIVES ON CEPHALOPOD RESEARCH IN

LATIN AMERICA"

Invited panelists:

Dr. Manuel Haimovici (moderator):

Laboratório de Recursos Pesqueiros Demersais e Cefalópodes, Instituto de Oceanografia, Universidade Federal do Rio Grande (FURG), Rio Grande, RS

(Brazil)

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

THURSDAY 1ST NOVEMBER 2012

Dr. Augusto Crespi-Abril:

Centro Nacional Patagónico (CENPAT-CONICET), Puerto Madryn, Chubut (Argentina)

Dr. Christian Ibañez:

Instituto de Ecología y Biodiversidad, Departamento de Ciencias Ecológicas, Facultad de Ciencias, Universidad de Chile, Santiago (Chile)

Dr. Carlos Rosas:

Facultad de Ciencias, UNAM, Unidad Multidisciplinaria de Docencia e Investigación, Yucatán (Mexico)

Dr. Carmen Yamashiro:

Instituto del Mar del Perú (IMARPE), Callao (Peru)

18h30-20h00 POSTER SESSION II

FRIDAY 2ND NOVEMBER 2012

SYMPOSIUM SESSION: THE ROLE OF CEPHALOPODS IN M	IARINE ECOSYSTEMS
---	-------------------

Chair: José Xavier

08h30-08h45 THE ROLE OF SQUID IN PELAGIC MARINE ECOSYSTEMS

Paul Gregory Kenneth Rodhouse; Jock W. Young; Robert J. Olson

08h45-09h00 FEEDING ECOLOGY OF TOP PREDATORS WORLDWIDE: HAVE WE

ALWAYS HAVE BEEN UNDER-ESTIMATING THE ROLE OF CEPHALOPODS

IN THEIR DIETS?

José Carlos Xavier; Yves Cherel; Richard Phillips

09h00-09h15 ARE PELAGIC CEPHALOPODS IN THE MEDITERRANEAN AS ABUNDANT

AS SUGGEST THE STOMACH CONTENTS OF THEIR PREDATORS?
Stefanie Keller; Antoni Quetglas; Maria Valls; Francesc Ordines; Aina de Mesa;

M Pilar Olivar: Enric Massutí

09h15-09h30 TROPHIC HABITS OF TWO OMMASTREPHID SQUIDS, Illex coindetii AND

Todarodes sagittatus IN THE WESTERN MEDITERRANEAN SEA

Rigoberto Rosas Luis; Pilar Sanchez

09h30-09h45 FOOD AND FEEDING HABITS OF JUMBO SQUID (Dosidicus gigas,

D'ORBIGNY, 1835) OFF PERU

Ana Alegre; Ricardo Tafur; Pepe Espinoza; Juan Argüelles; Víctor Maehara;

Monique Simier; Fréderic Ménard; Arnaud Bertrand

09h45-10h00 SPATIAL AND TEMPORAL TRENDS OF OCTOPUS PREDATION IN THE

ROCK LOBSTER FISHERY IN TASMANIA

Felipe Briceño: Stewart D. Frusher: Jeffrey M. Dambacher: Caleb Gardner:

Jessica André; Rafael León; Gretta T. Pecl

10h00-10h15 DIET IN EARLY LIFE STAGES OF JUMBO FLYING SQUID Dosidicus gigas

Susana Camarillo Coop; César Augusto Salinas Zavala; Bertha Lavaniegos;

Unai Markaida

10h15-10h30 CONVERGENCE IN LIFE HISTORY STRATEGIES IN LARGE PELAGIC

NEKTONIC SQUID AND TELEOST FISH

Alexander Arkhipkin; Vladimir Laptikhovsky

10h30-11h00 COFFEE BREAK

SYMPOSIUM SESSION: EARLY LIFE HISTORY I

Chair: Roger Villanueva

11h00-11h15 CYCLONIC EDDIES REVEAL OEGOPSIDA SQUID EGG BALLOON

MASSES IN THE AGULHAS CURRENT, SOUTH AFRICA

Michael J. Roberts; Tyler Zemlak; Allan Connell

11h15-11h30 SPATIO-TEMPORAL ANALYSIS OF REFLECTINS EXPRESSION

DURING DEVELOPMENT OF Sepia officinalis EMBRYOS (MOLLUSCA,

CEPHALOPODA)

Aude Andouche; Yann Bassaglia; Sébastien Baratte; Laure Bonnaud

	7 -	_		_	
FRI					

11h30-11h45	EFFECTS OF CHRONIC EXPOSURE TO ELEVATED PCO2 AND DECREASED DISSOLVED O2 ON EMBRYONIC MARKET SQUID, Doryteuthis opalescens, PHYSIOLOGY AND MORPHOLOGY Michael O. Navarro; Martin Tresguerres; Christina Frieder; Jennifer Gonzalez; Emily E. Bockmon; Lisa A. Levin		
11h45-12h00	IS THE WESTERN TRANSPORT HYPOTHESIS RELEVANT TO THE CHOKKA SQUID DEEP SPAWNING GROUNDS ON THE AGULHAS BANK, SOUTH AFRICA? Nicola Jean Downey; Michael John Roberts; Warwick H. H. Sauer		
12h00-12h15	IMPACT OF OCEAN ACIDIFICATION AND WARMING IN THE EARLY ONTOGENY OF <i>Loligo vulgaris</i> Rui Rosa; Marta S. Pimentel; Joana Boavida-Portugal; Gisela Dionísio; Ana Moreno; Katja Trübenbach		
12h15-12h30	COMPARATIVE MORPHOLOGY OF EARLY STAGES OF OMMASTREPHID SQUIDS FROM THE MEDITERRANEAN SEA OBTAINED FROM IN VITRO FERTILIZATION Giuliano Petroni; Anna Bozzano; Daniel Quintana; Marta Campos; Stefanie Keller; Pilar Sánchez; Roger Villanueva		
12h30-14h00	LUNCH		
SYMPOSIUM SESSION: EARLY LIFE HISTORY II Chair: Érica A. G. Vidal			
14h00-14h15	PARALARVAL OCTOPODS OF THE FLORIDA CURRENT Clyde F. E. Roper; Michael Vecchione; Alfredo Gutierrez		
14h15-14h30	COMPARATIVE DESCRIPTION OF BEAKS OF Argonauta nodosa AND Octopus vulgaris PARALARVAE Rita Melo Franco Santos; Érica Alves González Vidal; Pedro M. Domingues; José Iglesias Estévez		
14h30-14h45	LOLIGINID PARALARVAE OFF THE SOUTHEASTERN BRAZILIAN BIGHT (22°-25°S) IN RELATION TO OCEANOGRAPHIC CONDITIONS Carolina Costa De Araújo; Mario Katsuragawa; Maria Gasalla		
14h45-15h00	CEPHALOPOD PARALARVAE DISTRIBUTION AND INTERACTIONS WITH MESOZOOPLANKTON COMMUNITIES IN A COASTAL UPWELLING SYSTEM (RÍA DE VIGO, NW SPAIN) Álvaro Roura Labiaga; Xosé Antón Álvarez Salgado; Ángel Francisco González; María Gregori I Casamayor; Gabriel Rosón; Ángel Guerra Sierra		
	Maria Gregori i Casamayor, Gabriel Roson, Angel Guerra Sierra		
15h00-15h15	THE SÃO PAULO SHELF (SE BRAZIL) AS A NURSERY GROUND FOR Doryteuthis plei PARALARVAE: A LAGRANGIAN PARTICLE-TRACKING INDIVIDUAL BASED MODEL APPROACH Rodrigo Silvestre Martins; Ricardo de Camargo; Christophe Lett; Maria Gasalla		

FRIDAY 2ND NOVEMBER 2012

15h30-16h00	COFFEE BREAK			
SYMPOSIUM SESSION: EARLY LIFE HISTORY III Chair: Rodrigo Martins				
16h00-16h15	CUTTLEFISH, Sepia officinalis L., PRE-RECRUITS PHYSIOLOGICAL CHARACTERISTICS IN DIFFERENT SPAWNING SITES OF THE ENGLISH CHANNEL Georges Safi; Isobel Bloor; Emma Jackson; Michael Gras; Jean Paul Robin; Noussithé Koueta			
16h15-16h30	LYSOZYME, ANTIPROTEASE AND PHENOLOXYDASE ACTIVITIES IN CUTTLEFISH Sepia officinalis L. Noussithé Koueta; Georges Safi; Charles Le Pabic; Antoine Serpentini; Jean-Marc Lebel; Jean Paul Robin			
16h30-16h45	EFFECTS OF CHRONIC EXPOSURE TO DISSOLVED ZINC ON JUVENILE CUTTLEFISH Sepia officinalis L.: DEVELOPMENT OF APPROPRIATE BIOMARKERS Charles Le Pabic; Georges Safi; Antoine Serpentini; Jean-Marc Lebel; Noussithé Koueta			
16h45-17h15	CLOSURE TALK: "WHAT CAN WE LEARN FROM TAGGING CEPHALOPODS? CLIMATE CHANGE, ECOSYSTEM DYNAMICS AND ENERGETICS?" Dr. Ron O'Dor, Biology Department, Dalhousie University, Halifax, Canada			
17h15-18h15	CLOSURE CEREMONY			
	STUDENT ORAL & POSTER PRESENTATION AWARDS			
	BEST PAPER AWARD			
20h00	Buses departure from Majestic Palace Hotel to Alameda Casa Rosa			
20h30	OFFICIAL SYMPOSIUM DINNER			

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

CIAC '12 POSTERS POSTER SESSIONS I and II – Floripa Room

P1 - REGULATORY CAPACITY OF TISSUE HYDRATION IN Octopus vulgaris AND Octopus insularis

Amado EM; Souza-Bastos LR; Wosnick N; Ceron FJM; Vidal EAG; Freire CA

P2 - WHAT CAN THE MORPHOMETRY OF STATOLITHS TELL US?Bainy MCRS

P3 - STATOLITH MORPHOLOGY AND MORPHOMETRY OF *Doryteuthis plei* SPECIMENS FROM SÃO PAULO, BRAZIL

Barcellos DD; Gasalla MA

P4 - NEUROPEPTIDES ANALYSIS OF *Octopus vulgaris* TRANSCRIPTOME: OCT-PEDAL PEPTIDE EXPRESSION IN CNS LOBES INVOLVED IN MOTOR COORDINATION

Bertapelle C; Troncone L; Moroz LL; Polese G; Di Cosmo A

P5 - WOULD YOU SHAKE OFF YOUR PENIS? THE SEVEN-ARM OCTOPUS Haliphron atlanticus DOES IT

Guerra A; Valeiras J; Roura A; Abad E; Serrano A

P6-CHARACTERIZATION OF Sepia officinalis HAEMOCYTES, PRIMARY-CULTURE DEVELOPMENT AND ENZYMATIC ASSAYS ON SERUM AND HAEMOCYTE FRACTIONS

Le Pabic C; Goux D; Serpentini A; Lebel J-M; Koueta N

P7 - PHYSIOLOGY, BIOCHEMISTRY AND DIGESTIVE RHYTMS OF THE RED OCTOPUS Octopus maya

Linares-Aranda M; Canseco L; Rosas C

P8 - DIGESTION CYTOLOGY OF THE DIGESTION OF Octopus maya EARLY JUVENILES

López-Ripoll E: Avila-Poveda OH: Calva R: Rosas C

P9 - BIFLAGELLATE SPERM IN CEPHALOPODA REQUIRES RECONSIDERING THIS "TAXONOMIC" CHARACTER

Rodrigues M; Roura A; Guerra A; Nishiguchi MK; Troncoso JS

P10 - STATOLITH MICROSTRUCTURE FOR STUDYING AGE AND GROWTH OF THE ATLANTIC BRIEF SQUID *Lolliguncula brevis* IN NORTHEN SÃO PAULO

Tanaka KY: Martins RS: Gasalla MA

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P11 - AEROBIC AND ANAEROBIC PATHWAYS IN JUMBO SQUID (Dosidicus gigas) UNDER METABOLIC SUPPRESSION IN THE OXYGEN MINIMUM ZONES

Trübenbach K; Seibel BA; Rosa R

P12 - HYPOXIA TOLERANCE AND ANTIOXIDANT DEFENSE SYSTEM OF JUMBO SQUIDS IN OXYGEN MINIMUM ZONES

Trübenbach K; Teixeira T; Diniz M; Rosa R

P13 - AGE VALIDATION IN Octopus maya BY COUNTING INCREMENTS IN THE BEAK SECTIONS OF KNOWN AGE INDIVIDUALS

Villegas G; Perales-Raya C; Rosas C; Almansa E; Bartolomé A

P14 - RELATIONSHIP BETWEEN INDIVIDUAL CHARACTERISTICS OF *Octopus insularis* (CEPHALOPODA: OCTOPODIDAE) AND THEIR DIET

Batista AT; Leite TS; Mather J

P15 - COLOR VISION OF Octopus ocellatus BY LEARNING EXPERIMENT

Kaneshiro A; Tsuchiya K; Segawa S

P16 - CAN PREFERENCE FOR CRABS IN EARLY Octopus maya BE MODIFIED THROUGH ASSOCIATIVE LEARNING OR IMPRINTING?

Portela E: Rosas C: Simoes N: Mascaro M

P17 - BODY PATTERNING BEHAVIOR OF THE TROPICAL ARROW SQUID Doryteuthis plei: A CAPTIVITY-BASED ETHOGRAM IN THE NORTHERN COAST OF SÃO PAULO. BRAZIL

Postuma FA; Gasalla MA

P18 - PRESENCE-ONLY MODELLING TO INVESTIGATE LARGE-SCALE DISTRIBUTION OF Sepia officinalis SPAWNING GROUNDS WITHIN THE ENGLISH CHANNEL

Bloor I; Marshall C; Attrill M; Jackson EL

P19 - SUBTIDAL SURVEYS TO INVESTIGATE FINE-SCALE DISTRIBUTION OF Sepia officinalis SPAWNING HABITAT WITHIN THE ENGLISH CHANNEL

Bloor I: Jackson EL: Attrill M: Robin JP

P20 - EFFECTS OF WATERBORNE FLUOXETINE ON SURVIVAL BEHAVIORS AND PHYSIOLOGICAL FUNCTIONS IN YOUNG CUTTLEFISH

Di Poi C; Le Pabic C; Darmaillacq A-S; Koueta N; Bellanger C

P21 - MULTIDISCIPLINARITY IN CEPHALOPOD RESEARCH: INTEGRATING MODELS, SURVEYS, BEHAVIOR, POPULATION DYNAMICS, AND THE FISHERIES OF THE TROPICAL ARROW SQUID

Gasalla MA; Postuma FA; Araujo CC; Barcellos DD; Cintho CY; Katsuragawa M; Camargo R; Martins RS

P22 - CHEMICAL ELEMENTS IN THE ENGLISH CHANNEL CUTTLEFISH (Sepia officinalis): DIFFERENCES AMONG COASTAL JUVENILES AND ORIGIN OF OFFSHORE RECRUITS

Gras M; Caplat C; Bloor I; Jackson E; Robin JP

P23 - DO DEEP DWELLING SQUID LIVE A LIFE IN THE FAST LANE?

Hoving HJT; Robison BH

P24 - DISTRIBUTION OF OCTOPODS ON THE SHELF OF SOUTH GEORGIA (UNDERWATER CAMERA, SCUBA DIVING, AND TRAWL SAMPLES)

Laptikhovsky V; Barnes DKA; Brewin P

P25 - ELEVATED SEAWATER PCO2 CONCENTRATIONS AFFECT STATOLITH MORPHOLOGY AND REDUCE PREY CAPTURE ABILITY IN EARLY LIFE CUTTLEFISH Sepia officinalis

Maneja RH; Hu MYA; Geffen AJ; Melzner F; Gutowska MA; Clemmesen C; Piatkowski U

P26 - MAXIMUM AGE OF THE COMMON OCTOPUS (Octopus vulgaris) IN ITS NATURAL HABITAT AND STRESS MARKS BY USING BEAKS OF SPENT INDIVIDUALS

Perales-Raya C; Bartolomé A; Jurado A; Duque V; Carrasco N; Fraile E; Andrade JP

P27 - POST-MORTEM DRIFT IN AUSTRALIAN CUTTLEFISH BONES: IT'S EFFECT ON THE INTERPRETATION OF SPECIES RANGES

Reid A

P28 - MOLECULAR DETECTION OF Vibrio alginolyticus IN THE RED OCTOPUS, Octopus maya

Rodríguez-Canul R; Gamboa-Muñoz A; Pérez-Campos, RAA; Pérez-Vega JA; Pascual C; Aguirre-Macedo MI

P29 - DISTRIBUTION OF ADULTS OF JUMBO SQUID *Dosidicus gigas* IN RELATION TO THE OCEANOGRAPHIC CONDITIONS IN THE PERUVIAN EEZ AND ADJACENT WATERS 2007-2012

Yamashiro C; Mariátegui L; Tafur R; Tello E; Quispe J; Wakabayashi T; Kato Y; Sakai M

P30 - OVERLOOKED CONSUMERS? LONG-FINNED SQUID AS IMPORTANT PREDATORS IN THE NORTH SEA

Oesterwind D; Piatkowski U

P31 - FOOD AND FEEDING OF Ancistroteuthis linchtensteinii IN THE WESTERN MEDITERRANEAN SEA

Rosas-Luis R; Sanchez P

P32 - TROPHIC IMPACTS AND INTERACTION OF Moroteuthis ingens, Illex argentinus and Loligo gahi IN THE ECOSYSTEM OF THE SOUTHWESTERN ATLANTIC OCEAN

Rosas-Luis R; Sanchez P; del Río JL; Portela JM

P33 - IN VITRO DIGESTIBILITY: STANDARDIZING METHODS USING GASTRIC JUICE OF *Octopus maya* IN THE WAY OF IMPROVE FOODS FOR OCTOPUS CULTURE

Aguilar FDM; Overa-Novoa M; Rosas C

P34 - EFFECT OF FEMALE DIET ON THE YOLKS CHEMICAL COMPOSITION, AND ITS CONSEQUENCES ON EGGS AND EMBRYOS MORPHOLOGY, AND HATCHLINGS QUALITY OF Octopus maya

Caamal-Monsreal C; Mascaró M; Gallardo P; Capella S; Noreña-Barroso E; Rosas C

P35 - UTILIZATION OF AMINO ACIDS DURING FASTING AND RECOVERY PERIODS IN Octopus maya JUVENILES FROM YUCATAN, MEXICO

George-Zamora A; Caamal-Monsreal C; Rosas C; Rodriguez S

P36 - THE USE OF DIFFERENT ANAESTHETICS AS WELFARE PROMOTERS DURING SHORT-TERM MANIPULATION OF EUROPEAN CUTTLEFISH (Sepia officinalis) JUVENILES

Gonçalves RA; Frias P; Andrade JP; Aragão C; Sykes AV

P37 - CHARACTERIZATION OF DEFORMED HATCHLINGS OF Octopus vulgaris
OBTAINED UNDER CAPTIVITY FROM A SMALL FEMALE (150 G WEIGHT)

Jimenez P; Sherbakova A; Riera D; Felipe BC; Sykes AV; Rodríguez C; Gonçalves R; Andrade JP; Perales C: Bartolome A: Santamaria F: Almansa E

P38 - FIRST DESCRIPTION OF EGGS AND PARALARVAE OF *Octopus insularis* UNDER CULTURE CONDITIONS

Lenz TM; Elias NH; Huy JM; Leite TS; Vidal EAG

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P39-SURVIVAL OF THE TROPICAL ARROW SQUID *Doryteuthis plei* (LOLIGINIDAE) IN CAPTIVITY: AN EXPERIMENTAL APPROACH IN THE NORTHERN COAST OF SÃO PAULO, BRAZIL

Postuma FA; Gasalla MA

P40 - EVALUATION OF WEIGHT GAIN OF THE OCTOPUS (Octopus vulgaris) FED ON A MONODIET BASED ON MUSSEL Perna perna LIVE AND FROZEN IN THE LABORATORY

Reis IMM; Teixeira PB; Ferreira T; Ferreira JF; Roumbedakis K; Magalhães ARM

P41 - NUTRITIONAL VALUE OF FISH WASTE SILAGE FOR JUVENILES AND ADULTS OF Octopus maya

Rosas C; Villegas G; Caamal C; Mascaro M; Pascual C; Espinosa LG; Martinez R; Lopez K; Rodriguez S; Gonzalez G; Arjona R; Dzib L; Cuzon G; Gallardo P

P42 - IMPLICATIONS OF THE INCLUSION OF CEPHALOPODS IN THE DIRECTIVE 2010/63/EU

Sykes AV; Baptista FD; Gonçalves R; Andrade JP

P43 - LIPID CHARACTERIZATION OF BOTH STARVED AND FED CUTTLEFISH (Sepia officinalis, L.) DURING THE FIRST 7 DAYS AFTER HATCHING

Sykes AV; Almansa E; Martin R; Rodríguez C; Lorenzo A; Andrade JP

P44 - CUTTLEFISH (Sepia officinalis) CULTURE AT CCMAR: TOWARDS SPECIES DIVERSIFICATION IN AQUACULTURE

Sykes AV; Aragão C; Ribeiro L; Gonçalves R; Silva C; Frias P; Baptista FD; Reis DB; Segovia I L; Hubbard P; Barata E; Oliveira C; Andrade JP

P45 - EARLY WEANING OF CUTTLEFISH (Sepia officinalis, L.) WITH FROZEN GRASS SHRIMP (Palaemonetes varians) FROM THE FIRST DAY AFTER HATCHING Sykes AV; Gonçalves R; Andrade JP

P46 - EFFECTS OF INCREASED TANK BOTTOM AREAS ON CUTTLEFISH (Sepia officinalis, L.) REPRODUCTION PERFORMANCE

Sykes AV; Pereira D; Rodríguez C; Lorenzo A; Andrade JP

P47 - THE EFFECTS OF LIGHT INTENSITY ON GROWTH AND SURVIVAL OF CUTTLEFISH (Sepia officinalis) HATCHLINGS AND JUVENILES

Sykes AV: Quintana D: Andrade JP

P48 - THE EFFECTS OF TANK COLOURS ON GROWTH AND SURVIVAL OF CUTTLEFISH (Sepia officinalis) HATCHLINGS AND JUVENILES

Sykes AV; Domingues PM; Márquez L; Andrade JP

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P49 - IDENTIFICATION OF THE ANTIMICROBIAL ACTIVITY FROM *Octopus vulgaris* HAEMOCYTES

Troncone L; De Lisa E; Polese G; Di Cosmo A

P50 - SEASONAL SQUID PARALARVAE OCCURRENCE, DISTRIBUTION AND ABUNDANCE OFF UBATUBA SHELF, NORTHERN COAST OF SÃO PAULO

Cintho CY; Araújo CC; Katsuragawa M; Gasalla MA

P51 - SPATIAL DISTRIBUTION OF *Loligo sanpaulensis* PARALARVAE IN SAN JOSÉ GULF (PATAGONIA, ARGENTINA)

Crespi-Abril AC; Villanueva-Gomila L; Barón PJ

P52 - DESCRIPTION AND DISTRIBUTION OF *Gonatus pyros* PARALARVAE FROM THE GULF OF CALIFORNIA, MEXICO

De Silva-Dávila R; Hochberg FG; Franco-Gordo MC; Avendaño-Ibarra R; Gómez-Gutiérrez J; Zepeda-Benitez VY

P53 - THE EMBRYONIC DEVELOPMENT OF Octopus vulgaris AND O. ocellatus Isshiki Y; Tsuchiya K; Kohno H; Segawa S

P54 - IDENTIFICATION OF THE HATCHING CHECK ON THE STYLETS OF Octopus vulgaris

Lourenco S: Moreno A: Narciso L: Rosa R: Rocha F: González AF

P55 - STRUCTURAL DIFFERENCES IN THE KÖLLIKER'S ORGANS OF Octopus vulgaris AND Argonauta nodosa PARALARVAE

Mazzini FS; Fávaro LF; Donatti L; Iglesias J; Vidal EAG

P56 - LONGFIN INSHORE SQUID (Doryteuthis pealeii) PARALARVAL DISTRIBUTIONAL ECOLOGY: DATA GAPS AND NOVEL FIELD STUDIES Nichols OC

P57 - PARALARVAE OF Robsonella fontaniana IN SOUTHERN CHILEAN FJORDS Pardo-Gandarillas MC, Pena F, Ruiz JF, Bustos CA, MF & Ibáñez CM Landaeta

P58 - COMBINING TOOLS TO ALLOW DIRECT STUDIES OF EARLY LIFE STAGES OF LOLIGINID SQUID IN THE WILD: THE EPIBENTHIC SLED AND INDIVIDUAL DNA BAR-CODING

Robin JP; Shaw PW

P59 - DISTRIBUTION OF PARALARVAL SQUIDS FROM THE FLORIDA CURRENT Roper CF; Vecchione M; Adams C

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P60 - HISTOLOGICAL AND BIOCHEMICAL TOOLS USED TO STUDY THE DIGESTIVE GLAND MATURATION IN CUTTLEFISH Sepia officinalis L. EARLY LIFE HISTORY

Safi G; Le Pabic C; Robin JP; Koueta N

P61 - FEEDING HABITS OF JUVENILE JAPANESE COMMON SQUID Todarodes pacificus: RELATIONSHIP BETWEEN DIET AND ALLOMETRIC GROWTH

Uchikawa K; Kidokoro H

P62 - VERTICAL DISTRIBUTION OF Dosidicus gigas PARALARVAE OFF PERU

Wakabayashi T; Yamashiro C; Mariategui L; Tafur R; Tsuchiya K; Kato Y; Sakai M

P63 - EVOLUTION OF REPRODUCTIVE STRATEGIES IN BENTHIC OCTOPUSES

Ibáñez CM: Peña F: Pardo-Gandarillas MC: Méndez MA: Poulin E

P64 - CONNECTIVITY PATTERNS AND DEMOGRAPHIC HISTORY IN TWO SPECIES OF OCTOPUSES INHABITING DIFFERENT BIOGEOGRAPHIC PROVINCES OF SOUTH AMERICA

Pardo-Gandarillas MC; Méndez MA; Poulin E

P65 - EXPERIMENTAL POT FISHING FOR *Octopus insularis* OFF RIO GRANDE DO NORTE STATE, NORTHEASTERN OF BRAZIL

Andrade LCA: Leite TS: Barbosa JC: Lima FD: Oliveira JL

P66 - Octopus insularis LEITE & HAIMOVICI, 2008, A FAST GROWING AND SHORT LIVING TROPICAL OCTOPUS

Batista BB: Haimovici M: Matthews-Cascon H: Madrid RMM: Marinho RM

P67 - DOES THE COMMON OCTOPUS REALLY GET ENTRAPPED?

Borges TC; Calixto P; Sendão J

P68 - RECREATIONAL SQUID JIGGING FISHERY LINKED TO BIOLOGICAL AND ENVIRONMENTAL CONDITIONS

Cabanellas-Reboredo M: González AF: Guerra A

P69 - LIFE-HISTORY, ECOLOGY AND FISHERY OF Sepia officinalis IN THE WESTERN MEDITERRANEAN

Keller S; Valls M; Quetglas A

P70 - IMPACT OF DIFFERENT CONSERVATION AND TRANSFORMATION MODES OF CUTTLEFISH, Sepia officinalis, ON ITS FLESH VISUAL AND NUTRITIONAL QUALITY

Koueta N; Safi G; Broyer T; Sauve R; Brouzes R

P71 - JUMBO SQUID (Dosidicus gigas) IN SITU TARGET STRENGTH MEASUREMENTS IN NORTHWEST MEXICO

Manini-Ramos F; Villalobos H; Salinas-Zavala CA

P72 - EFFECTS OF LIGHT AND JIG COLOR ON THE INDIVIDUAL CATCH OF THE TROPICAL ARROW SQUID *Dorytheuthis plei* IN SÃO PAULO, BRAZIL

Postuma FA: Gasalla MA

P73 - VALIDATION OF STYLETS, BEAKS AND CRYSTALLINES INCREMENTS AS AGEING TOOLS IN Octopus maya (VOSS & SOLÍS, 1966)

Rodríguez-Domínguez A; Markaida U; Méndez-Loeza I; López-Ripoll E; Rosas C

P74 - CEPHALOPODS DISCARD ESTIMATES FROM SPANISH TRAWL FISHING FLEETS OPERATING IN THE NORTHEAST ATLANTIC EUROPEAN WATERS (ICES AREAS VI, VII, VIIIC, IXA)

Silva L; Santos J; Valeiras J; Salinas I; Acosta J; Pérez N

P75 - GENE DISCOVERY AND EXPRESSION IN Octopus bimaculoides WITH NEXTGEN SEQUENCING

Albertin CB; Ye Q; Kang S; Pungor JR; Ragsdale CW

P76 - COMPLETE MITOCHONDRIAL DNA DIFFERENTIATION BETWEEN Cistopus taiwanicus AND Cistopus chinensis

CHENG R: ZHENG X: LI Q

P77 - EMERGING FRONTIERS OF CEPHALOPOD GENOMICS AND NEUROGENOMICS

Moroz LL; Kohn AB; Citarella M; Kokot K; Halanych K; Polese G; Di Cosmo A

P78 - THE ANTARCTIC OSCILLATION INDEX AS A PARAMETER OF Illex argentinus POPULATION VARIATION IN SOUTHWEST ATLANTIC WATERS

Chang KY; Wang HY; Kuo CL; Chiu TS

P79 - MARINE BIOBANK: AN OPPORTUNITY FOR CEPHALOPOD RESEARCH? González AF; Pascual S; Outeiriño L; Vello C

P80 - IDENTIFICATION AND CHARACTERIZATION OF ADEQUATE HABITATS FOR SPAWNING AND EARLY STAGES OF DEVELOPMENT OF COMMERCIALLY IMPORTANT CEPHALOPODS

Guerra A; Graci ME; Hernández-Urzera J; Morales-Nín B; Cabanellas-Reboredo M; González AF

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P81 - MORPHOMETRIC SEXUAL DIMORPHISM, SIZE AT MATURITY AND GROWTH OF THE SHORTFIN SQUID *Illex coindetii* In the Aegean Sea (Eastern Mediterranean)

Lefkaditou E; Dogramatzi K; Vidoris P; Papaconstantinou C

P82 - AGE STRUCTURE, GROWTH AND LIFE CYCLES OF THE SQUID *Doryteuthis* plei OFF THE SOUTHERN COAST OF BRAZIL

Perez JAA; Aguiar DC; Santos JAT

P83 - SPACE-BASED FISHERIES EFFORT ASSESSMENT AND FISHING DRIVERS OF POPULATION DEMOGRAPHICS FOR THE SQUID *Loligo vulgaris* OFF THE PORTUGUESE COAST

Pilar-Fonseca T; Pereira J; Moreno A; Afonso-Dias M; Campos A; Lourenço S

P84 - CONTRIBUTIONS TO THE UNDERSTANDING ON POPULATION STRUCTURE OF THE ARGENTINE SHORTFIN SQUID *Illex argentinus* CAPTURED IN SOUTHERN BRAZIL

Schroeder R; Schwarz R

P85 - REPRODUCTIVE BIOLOGY OF THE OCTOPUS *Eledone massyae* VOSS, 1964 (OCTOPODIDAE) FROM SOUTHEASTERN BRAZIL

Tomas ARG; Carvalho ES

P86 - STOCK ASSESSMENT OF *Octopus vulgaris* CUVIER, 1797 (CEPHALOPODA: OCTOPODIDAE) EXPLOITED BY TRAWLING FISHERIES IN SOUTHEAST BRAZIL *Tomas ARG: Petrere M*

P87 - EYE LENS AS NEW STRUCTURES FOR AGEING OCTOPUS: EARLY INSIGHTS USING *Enteroctopus megalocyathus* AS A MODEL

Villegas MJ; Paredes R; Briceño F; Barahona N; Bagueiro Cárdenas ER;

- P88 MIGRATION, DISTRIBUTION, AGE AND GROWTH OF GIANT PACIFIC OCTOPUS, *Enteroctopus dofleini*, NEAR TSUGARU STRAIT IN NORTHERN JAPAN *Noro K*
- P89 VERTICAL AND HORIZONTAL BEHAVIOR OF NEON FLYING SQUID Ommastrephes bartramii ON THE WINTER FISHING GROUND OFF NORTHEAST JAPAN

Sakai M; Kato Y; Wakabayashi T; Igarashi H; Awaji T

P90 – STRONTIUM:CALCIUM RATIOS IN STATOLITHS OF THE SWORDTIP SQUID Uroteuthis (Photololigo) edulis AS INDICATORS OF MIGRATORY PATHWAY

Yamaguchi T; Matsuyama M; Kawakami Y

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P91 - MALE REPRODUCTIVE SYSTEM AND SEXUAL PRODUCTS IN *Histioteuthis bonnellii* (CEPHALOPODA: HISTIOTEUTHIDAE)

Cuccu D; Mereu M; Agus B; Culurgioni J; Cau A; Jereb P

P92 - SPERM-ATTRACTANT PEPTIDE INFLUENCES THE SPERMATOZOA SWIMMING BEHAVIOUR IN INTERNAL FERTILIZATION IN Octopus vulgaris

De Lisa E; Salzano AM; Moccia F; Scaloni A; Anna Di Cosmo

P93 - BOREOATLANTIC GONATE SQUID Gonatus fabricii IN THE BARENTS SEA: FEATURES OF BIOLOGY AND RESPONSE TO THE ARCTIC WARMING

Golikov AV; Sabirov RM; Lubin PA; Jørgensen LL

P94 - GONAD MATURATION AND FECUNDITY OF THE TROPICAL Octopus insularis (CEPHALOPODA: OCTOPODIDAE)

Lima FD; Leite TS; Barbosa JC; Andrade LCA; Oliveira JL

P95 - MATING BEHAVIOR AND SPERM STORAGE PROCESS IN BENTHIC OCTOPODS: ADVANCES USING Octopus maya AS A MODEL

Lira J; Caballero JL; Briceño F; Mascaró M; Rosas C

P96 - NEW INSIGHTS INTO SPERMATOPHORE ATTACHMENT MECHANISMS IN SQUIDS FROM A MEDICAL CASE OF "STINGING" IN THE HUMAN ORAL CAVITY

Marian JEAR; Shiraki Y; Kawai K; Kojima S; Suzuki Y; Ono K

P97-SPERMATOPHORIC REACTION REVISITED: ATTACHMENT OCCURS DURING SPERMATOPHORE EVAGINATION AND INVOLVES AUTONOMOUS ANCHORING, SCARIFICATION AND ADHESION

Marian JFAR

P98 - THE SPERMATOPHORIC REACTION AND THE EVOLUTION OF SPERM TRANSFER MECHANISMS IN CEPHALOPODS

Marian JEAR

P99 - UNRAVELING THE COMPLEX MACHINERY OF SQUIDS SPERMATOPHORES: IN-DEPTH MORPHOLOGICAL ANALYSIS OF THE SPERMATOPHORE OF Doryteuthis plei

Marian JEAR: Domaneschi O

P100 - STUDIES ON THE SPERMATOZOON AND SPERMATOGENESIS IN Octopus minor (SASAKI, 1920) (CEPHALOPODA: OCTOPODA)

Qian YS; Zheng XD; Wang WJ; Yang JM; Li Q

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P101 - OCEANOGRAPHIC CONDITIONS MODULATING THE REPRODUCTIVE CYCLE OF Octopus maya IN THE YUCATAN PENINSULA

Rosas C; Santos J; Marcaida U; Enriquez C; Mariño-Tapia I; Calva R; Angelez-Gonzalez LE; López-Rocha J; Mascaró M

P102 - REPRODUCTIVE BIOLOGY OF *Octopus maya:* RESCUING ARKHIPKIN'S (1992) MATURITY SCALES

Rosas C; Santos-Valencia J; Calva R; Angeles-Gonzalez LE; López-Rocha J; Mascaró M; Avila-Poveda OH

P103 - MALE REPRODUCTIVE SYSTEM OF THE NEON FLYING SQUID Ommastrephes bartramii (OMMASTREPHIDAE): MORPHO-FUNCTIONAL AND GEOGRAPHICAL ASPECTS

Sabirov RM; Nigmatullin ChM

P104 - SPERMATOGENESIS AND SCALE OF MATURITY IN MALES OF THE WARTY BOBTAIL SQUID Rossia palpebrosa

Sabirov RM; Golikov AV; Saigusa M

P105 - ANNUAL CHANGES OF INFERRED SPAWNING AREAS AND DISTRIBUTION OF HATCHLINGS OF *Todarodes pacificus* DURING 1970S AND 2010S

Sakurai Y; Yamamoto J; Fukui S; Kidokoro H; Goto T

P106 - DEEP-SEA OCTOPUS *Velodona togata* (CHUN, 1915) IN WATERS OFF MOZAMBIQUE (SW INDIAN OCEAN): REPRODUCTIVE BIOLOGY, DISTRIBUTION AND ABUNDANCE

Silva I · Hernández F · Sobrino I

P107 - POPULATION DYNAMICS OF *Octopus vulgaris* IN THE PARANÁGUA ESTUARINE COMPLEX, PARANÁ STATE, SOUTHERN BRAZIL

Yamassaki GE: Vidal EAG

P108 - SYSTEMATICS OF THE BRACHIOTEUTHIDAE (CEPHALOPODA: OEGOPSIDA) IN NEW ZEALAND WATERS

Bolstad KSR

P109 - FIRST RECORD OF *Alloteuthis media* IN THE GUADALQUIVIR ESTUARY (SW SPAIN)

Canoura J; Riz FR; Baldo F; Vila C; Sobrino I

P110 - SOME DEEP-SEA OCTOPODS FOUND OFF PERU

Cardoso F; Hochberg FG

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P111 - CEPHALOPOD PARALARVAE IN THE MEXICAN PACIFIC OCEAN: COMMUNITY STRUCTURE

De Silva-Dávila R; Granados-Amores J; Aceves-Medina G; Avendaño-Ibarra R; Robinson CJ; Zepeda-Benitez VY

P112 - DISCOVERING BIODIVERSITY: IS THE CANARY ISLANDS THE HABITAT OF A NEW *Chtenopteryx* SPECIES?

Escánez A; González AF; Guerra A

P113 - DISCOVERING BIODIVERSITY: IS THERE A NEW SPECIES OF *Octopoteuthis* (CEPHALOPODA: OCTOPOTEUTHIDAE) OFF CANARY ISLANDS WATERS?

Escánez A: González AF: Guerra A

P114 - GEOMETRIC-MORPHOMETRICS OF LOLIGINID'S STATOLITHS FROM MEXICAN PACIFIC

Granados-Amores J; García-Rodríguez FJ; Salinas-Zavala CA; Díaz Santana-Iturríos M

P115 - VARIATIONS IN THE DIVERSITY OF ASSEMBLAGES OF CEPHALOPOD SPECIES DURING THE PERIOD 1993-2011 IN THE GULF OF CADIZ (SW SPAIN)

Sobrino I; Silva L; Acosta JJ

P116 - THE Muusoctopus SPECIES (CEPHALOPODA: OCTOPODIDAE) FROM SOUTHEASTERN PACIFIC OCEAN

Ibáñez CM: Peña F: Pardo-Gandarillas MC: Poulin E: Sellanes J

P117 - THE GENUS *Octopoteuthis* AND THE MEDITERRANEAN SEA: A LOOK INTO THE DEEP

Jereb P; Battaglia P; Bello G; Cannas R; Duysak Ö; Garibaldi F; Hoving HJT; Lefkaditou E; Lipinski MR; Maiorano P; Marcias S; Mereu M; Peristeraki P; Ragonese S; Romeo T; Salman A; Santos B; Villari A; Cuccu D

P118 - A HOTSPOT OF BIOLOGICAL DIVERSITY OF DEEP-SEA CEPHALOPODS AROUND UNDERWATER MOUNTAINS OF THE SOUTHWEST INDIAN OCEAN RIDGE

Laptikhovsky V; Rogers A

P119 - PHYLOGENETIC RELATIONSHIPS BETWEEN TWO EASTERN PACIFIC OCTOPUS SPECIES: Octopus hubbsorum AND O. mimus (CEPHALOPODA: OCTOPODIDAE)

Pliego-Cárdenas R; Hochberg FG; García de León FJ; Barriga-Sosa IDLA

P120 - Sepia 'apama', THE GIANT AUSTRALIAN CUTTLEFISH: UNRAVELLING A COMPLEX SPECIES-COMPLEX

Reid A; Donnellan S; Catalano S

P121 - ENVIRONMENTAL DETERMINANTS OF LATITUDINAL-SIZE TRENDS IN CEPHALOPODS

Rosa R

P122 - TROPHIC AND REPRODUCTIVE BIOCHEMISTRY OF A DEEP-SEA GELATINOUS OCTOPUS, Opisthoteuthis calypso

Rosa R; Pimentel MS; Baptista M; Pereira P; Moreno A; Nunes ML

P123 - CEPHALOPOD COLLECTION FROM THE MUSEUM OF AQUATIC ORGANISMS, DEPARTMENT OF OCEANOGRAPHY AND LIMNOLOGY (DOL), UFRN, BRAZIL

Rufener M-C; Barbosa JC; Júnior PVR; Leite TS; Oliveira, JL

P124 - DETAILED DESCRIPTION, INCLUDING DEVELOPMENTAL MORPHOLOGY, OF THE SQUID *Callimachus* sp. BOLSTAD 2010 IN THE GULF OF MEXICO

Sosnowski A: Vecchione M

P125 - CEPHWORLD: A NEW PILOT CEPHALOPOD DATABASE

Wood JB: Johnson J: Nelson J

P126 - THE ROLE OF CEPHALOPODS IN THE SEASONAL DIET OF STELLER SEA LIONS IN SOUTHEAST ALASKA

Fortune SME; Nichols OC; Walker WA; Trites AW

P127 - THE CEPHALOPOD SPECIES ASSOCIATED WITH THE DEEP WATERS OF THE EASTERN IONIAN SEA, AS EVIDENCED BY REMAINS IN THE STOMACH CONTENT OF Galeus melastomus

Karatza A; Lefkaditou E; Anastasopoulou A; Mytilineou Ch; Smith C

P128 - TROPHIC RELATIONSHIPS AMONG CEPHALOPOD SPECIES ALONG THE WATER COLUMN INFERRED FROM STOMACH CONTENTS AND STABLE ISOTOPE ANALYSES

Keller S; Quetglas A; Valls M; Ordines F; de Mesa A; Massutí E

P129 - FORAGING ECOLOGY OF CORY'S SHEARWATERS IN DIFFERENT OCEANIC ENVIRONMENTS OF THE NORTH ATLANTIC: THE ROLE OF CEPHALOPODS

Paiva VH; Xavier JC; Geraldes P; Ramírez I; Garthe S; Ramos JA

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

P130 - WHAT DOES THE GIANT SQUID Architeuthis dux EAT IN IBERIAN WATERS?

Regueira M; Belcari P; Guerra A

P131 - THE RED OCTOPUS Octopus maya AS PUTATIVE PARATENIC HOST FOR WSSV: EVALUATION IN EXPERIMENTAL AND NATURAL CONDITIONS

Rodríguez-Canul R; Pérez-Campos, RAA; Pérez-Vega JA; Pascual C; Guillen Hernández S; Arjona-Burgos IJ

P132 - ADVANCES IN THE FEEDING ECOLOGY METHODS ON SEABIRDS

Xavier JC; Ratcliffe N; Cherel Y; Phillips RA

P133 - FEEDING ECOLOGY OF TOOTHFISH SPECIES AS A MEANS FOR CHARACTERISING THE SLOPE MEGAFAUNA OF THE SOUTH SANDWICH ISLANDS, SOUTHERN OCEAN

Xavier JC; Roberts J; Agnew D

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Index

Abad E

P5

Abo J

Thursday 1st November 2012 9h30-9h45 - Page 34

Aceves-Medina G

P111

Acosta J

P74, P115

Acosta M

Tuesday 30th October 2012 9h30-9h45 - Page 31

Adams C

P59

Afonso-Dias M

P83

Monday 29th October 2012 14h00-14h15 - Page 29

Agnew D

P133

Aguiar DC

P82

Aguilar FDM

P33

Aguirre-Macedo ML

P28

Agus B

P91

Albertin CB

P75

Tuesday 30th October 2012 14h15-14h30 - Page 32

Alegre A

Friday 2nd November 2012 9h30-9h45 - Page 38

Almansa E

P13, P37, P43

Almeida LB

Tuesday 30th October 2012 11h15-11h30 - Page 31

Amado EM

P1

Amor M

Tuesday 30th October 2012 15h15-15h30 - Page 32

Anastasopoulou A

P127

Anderson FE

Tuesday 30th October 2012 12h15-12h30 - Page 32 15h00-15h15 - Page 32

Andouche A

Friday 2nd November 2012 11h15-11h30 - Page 38

Andrade LCA

P65, P94

Andrade JP

P26, P36, P37, P42, P43 P44, P45, P46, P47, P48 Thursday 1st November 2012 15h00-15h15 - Page 36

André J

Friday 2nd November 2012 9h45-10h00 - Page 38

Angeles-Gonzalez LE

P101, P102

Aragão C

P44, P36

Araújo CC

P21. P50.

Friday 2nd November 2012 14h30-14h45 - Page 39

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Arbuckle NSM

Monday 29th October 2012 16h00-16h15 - Page 33 Tuesday 30th October 2012 10h00-10h15 - 31

Araüelles J

Friday 2nd November 2012 9h30-9h45 - Page 38

Arjona R

P41

Arjona-Burgos IJ

P131

Arkhipkin A

Friday 2nd November 2012 10h15-10h30 - Page 38

Attrill M

P18, P19

Thursday 1st November 2012 16h30-16h45 - Page 36

Auborg S

Thursday 1st November 2012 10h15-10h30 - Page 34

Avendaño-Ibarra R

P52, P111

Avila-Poveda OH

P8, P102

Awaji T

P89

Monday 29th October 2012 15h15-15h30 - Page 29

Álvarez-Salgado XA

Friday 2nd November 2012 14h45-15h00 - Page 39

Bainy MCRS

P2

Thursday 1st November 2012 16h15-16h30 - Page 36

Baldo F

P109

Baptista M

P122

Baptista FD

P42, P44

Thursday 1st November 2012 15h00-15h15 - Page 36

Baqueiro Cárdenas ER

P87

Barahona N

P87

Barata E

P44

Baratte S

Friday 2nd November 2012 11h15-11h30 - Page 38

Barber PH

Tuesday 30th October 2012 15h00-15h15 - Page 32

Barbosa JC

P65, P94, P123

Tuesday 30th October 2012 11h15-11h30 - Page 31

Barcellos DD

P3, P21

Barnes DKA

P24

Barón PJ

P51

Barriga-Sosa IDLA

P119

Bartolomé A

P13,

Bartolomé A

P26. P37

Bassaglia Y

Friday 2nd November 2012 11h15-11h30 - Page 38

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Batista AT

P14

Monday 29th October 2012 12h15-12h30 - Page 29

Batista BB

P66

Battaglia P

P117

Bayse SM

Monday 29th October 2012 14h15-14h30 - Page 29

Belcari P

P130

Bellanger C

P20

Bello G

P117

Benfield MC

Tuesday 30th October 2012 9h00-9h15 - Page 31

Bergman A

Tuesday 30th October 2012 12h15-12h30 - Page 32 15h00-15h15 - Page 32

Bertapelle C

P4

Bertrand A

Friday 2nd November 2012 9h30-9h45 - Page 38

Bloor I

P18, P19, P22 Thursday 1st November 2012 10h00-10h15 - Page 35 16h30-16h45 - Page 36 Friday 2nd November 2012 16h00-16h15 - Page 40

Boavida-Portugal J

Friday 2nd November 2012 12h00-12h15 - Page 39

Bockmon EE

Friday 2nd November 2012 11h30-11h45 - Page 39

Bolstad KSR

P108

Tuesday 30th October 2012 9h30-9h45 - Page 31 10h15-10h30 - Page 31 11h30-11h45 - Page 31 14h45-15h00 - Page 32

Bonnaud L

Friday 2nd November 2012 11h15-11h30 - Page 38

Booth JAT

Thursday 1st November 2012 9h45-10h00 - Page 34

Borges TC

P67

Bozzano A

Friday 2nd November 2012 12h15-12h30 - Page 39

Braid HE

Tuesday 30th October 2012 10h15-10h30 - Page 31

Brewin P

P24

Briceño F

P87, P95

Friday 2nd November 2012 9h45-10h00 - Page 38

Brouzes R

P70

Brownlow A

Thursday 1st November 2012 9h00-9h15 - Page 34

Brover T

P70

Burns F

Thursday 1st November 2012 9h00-9h15 - Page 34

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Bustos CA

P57

Caamal-Monsreal C

P34, P35, P41

Thursday 1st November 2012 14h15-15h30 - Page 35

Caballero JL

P95

Cabanellas-Reboredo M

P68, P80

Cabral HN

Thursday 1st November 2012 11h30-11h45 - Page 35

Cadrin SX

Monday 29th October 2012 15h00-15h15 - Page 29

Calixto P

P67

Calumpong HP

Tuesday 30th October 2012 15h00-15h15 - Page 32

Calva R

P8, P101, P102

Camargo R

P21

Friday 2nd November 2012 15h00-15h15 - Page 39

Camarillo-Coop S

Friday 2nd November 2012 10h00-10h15 - Page 38

Cameron H

Tuesday 30th October 2012 15h15-15h30 - Page 32

Campos A

P83

Monday 29th October 2012 14h00-14h15 - Page 29 Campos M

Friday 2nd November 2012 12h15-12h30 - Page 39

Cannas R

P117

Canoura J

P109

Canseco L

P7

Capella S

P34

Caplat C

P22

Thursday 1st November 2012 10h00-10h15 - Page 34

Cardoso F

P110

Carrasco N

P26

Carvalho ES

P85

Catalano S

P120

Cau A

P91

Ceron FJM

P1

Chang KY

P78

Charouki

P17

Cheng R

P76

Cheng SH

Tuesday 30th October 2012 12h15-12h30 - Page 32 15h00-15h15 - Page 32

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Cherel Y

P132

Friday 2nd November 2012 8h45-9h00 - Page 38

Chiu TS

P78

Chosid DM

Monday 29th October 2012 14h15-14h30 - Page 29

Cintho CY

P50, P21

Citarella M

P77

Clemmesen C

P25

Connell A

Friday 2nd November 2012 11h00-11h15 -- Page 38

Coppin F

Monday 29th October 2012 16h30-16h45 - Page 30 Thursday 1st November 2012 10h00-10h15 - Page 34

Cotterell S

Thursday 1st November 2012 16h30-16h45 - Page 36

Crespi-Abril AC

P51

Thursday 1st November 2012 11h15-11h30 - Page 35

Cuccu D

P91. P117

Culurgioni J

P91

Cuzon G

P41

Dambacher JM

Friday 2nd November 2012 9h45-10h00 - Page 38 Darmaillacq A-S

P20

de Graaf M

Monday 29th October 2012 14h30-14h45 - Page 29

De Lisa E

P49, P92

de Mesa A

P128

Friday 2nd November 2012 9h00-9h15 - Page 38

De Silva-Dávila R

P52, P111

del Río JL

P32

DeMartini DG

Tuesday 30th October 2012 16h30-16h45 - Page 33

Di Cosmo A

P4. P49. P77

Monday 29th October 2012 12h00-12h15 - Page 29

Di Poi C

P20

Diniz M

P12

Dionísio G

Friday 2nd November 2012 12h00-12h15 - Page 39

Díaz Santana-Iturríos M

P114

Dogramatzi K

P81

Dolman S

Thursday 1st November 2012 9h00-9h15 - Page 34

Domaneschi O

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Domingues PM

P48

Friday 2nd November 2012 14h15-14h30 - Page 39

Donatti L

P55

Donnellan S

P120

Downey NJ

Friday 2nd November 2012 11h45-12h00 - Page 39

Duque V

P26

Duysak Ö

P117

Dzib L

P41

E Eldredge

Monday 29th October 2012 15h00-15h15 - Page 29

Ebina M

Monday 29th October 2012 15h15-15h30 - Page 29

Edsinger-Gonzales E

Tuesday 30th October 2012 14h15-14h30 - Page 32

Elias NH

P38

Enriquez C

P101

Escánez A

P112, P113

Espinosa LG

P41

Espinoza P

Friday 2nd November 2012 9h30-9h45 - Page 38 **Evans AB**

Tuesday 30th October 2012 9h30-9h45 - Page 31

Fabian-Canseco L

Thursday 1st November 2012 14h15-15h30 - Page 35

Fávaro LF

P55

Felipe BC

P37

Ferreira JF

P40

Ferreira T

P40

Fischer AM

Monday 29th October 2012 16h45-17h00 - Page 30

Fortune SME

P126

Foucher E

Monday 29th October 2012 16h30-16h45 - Page 30

Fraile E

P26

Franco-Gordo MC

P52

Franco-Santos RM

Friday 2nd November 2012 14h15-14h30 - Page 39

Franken L

Monday 29th October 2012 14h30-14h45 - Page 29

Freire CA

P1

Frias P

P36, P44

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Frieder CA

Friday 2nd November 2012 11h30-11h45 - Page 39

Frusher SD

Friday 2nd November 2012 9h45-10h00 - Page 38

Fuchs D

Tuesday 30th October 2012 11h45-12h00 - Page 32

Fukui S

P105

Gagliardini DA

Thursday 1st November 2012 11h15-11h30 - Page 35

Gallardo P

P34. P41

Thursday 1st November 2012 12h15-12h30 - Page 35 15h15-15h30 - Page 36

Gamboa-Muñoz A

P28

García de León FJ

P119

García-Rodríguez FJ

P114

Gardner C

Friday 2nd November 2012 9h45-10h00 - Page 38

Garibaldi F

P117

Garrison L

Tuesday 30th October 2012 10h00-10h15 - Page 31

Garthe S

P129

Gasalla MA

P3, P10, P17, P21, P39, P50, P72 Monday 29th October 2012 9h45-10h00 - Page 28 Thursday 1st November 2012 12h00-12h15 - Page 35 Friday 2nd November 2012 14h30-14h45 - Page 39 15h00-15h15 - Page 39

Gaspar M

Thursday 1st November 2012 11h30-11h45 - Page 35

Geffen AJ

P25

George-Zamora A

P35

Geraldes P

P129

Gilbert MTP

Tuesday 30th October 2012 14h00-14h15 - Page 32

Githaiga-Mwicigi JMW

Thursday 1st November 2012 9h15-9h30 - Page 34

Gleadall IG

Thursday 1st November 2012 14h45-15h00 - Page 35

Gojobori T

Tuesday 30th October 2012 14h30-14h45 - Page 32

Golikov AV

P93, P104

Monday 29th October 2012 9h30-9h45 - Page 28

Gonçalves R

P36, P37, P42, P44, P45

Gonzalez G

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Gonzalez J

Friday 2nd November 2012 11h30-11h45 - Page 39

González AF

P54, P79, P80, P112, P113 Thursday 1st November 2012 10h15-10h30 - Page 34 11h00-11h15 - Page 34 Friday 2nd November 2012 14h45-15h00 - Page 39

Goto T

P105

Goux D

P6

Gómez-Gutiérrez J

P52

Graci ME

P80

Granados-Amores J

P111, P114

Grangeré K

Thursday 1st November 2012 10h00-10h15 - Page 34

Gras M

P22

Monday 29th October 2012 16h30-16h45 - Page 30 Thursday 1st November 2012 10h00-10h15 - Page 34 Friday 2nd November 2012 16h00-16h15 - Page 40

Green CP

Monday 29th October 2012 16h15-16h30 - page 30

Gregori M

Friday 2nd November 2012 14h45-15h00 - Page 39

Guerra A

P5, P9, P80, P112, P113 P130

Thursday 1st November 2012 11h00-11h15 - Page 34 Friday 2nd November 2012 14h45-15h00 - Page 39

Guerrero-Kommritz

Tuesday 30th October 2012 9h45-10h00 - Page 31

Guillen Hernández S

P131

Gutierrez A

Friday 2nd November 2012 14h00-14h15 - Page 39

Gutowska MA

P25

Haimovici M

P66

Tuesday 30th October 2012 11h15-11h30 - Page 31 Thursday 1st November 2012 16h15-16h30 - Page 36

Halanych K

P77

Hamer P

Monday 29th October 2012 16h15-16h30 - Page 30

Hart AM

Monday 29th October 2012 14h30-14h45 - Page 29

Hartmann K

Monday 29th October 2012 16h45-17h00 - Page 30

He P

Monday 29th October 2012 14h15-14h30 - Page 29

Hernández E

P106

Hernández-Urzera J

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Hochberg FG

P52, P110, P119

Hofmeister JKK

Thursday 1st November 2012 14h30-14h45 - Page 35

Hoving HJT

P23, P117

Thursday 1st November 2012 14h00-14h15 - Page 35

Hu MYA

P25

Hubbard P

P44

Huy JM

P38

Ibáñez CM

P57, P63, P116

Igarashi H

P89

Monday 29th October 2012 15h15-15h30 - Page 29

Iglesias J

P55

Friday 2nd November 2012 14h15-14h30 - Page 39

Ikeda Y

Monday 29th October 2012 11h15-11h30 - Page 28

Ishikawa Y

Monday 29th October 2012 15h15-15h30 - Page 29

Isshiki Y

P53

Jackson E

P18. P19. P22

Thursday 1st November 2012 10h00-10h15 - Page 34 16h30-16h45 - Page 36 Friday 2nd November 2012

16h00-16h15 - Page 40

Jackson GD

Monday 29th October 2012 16h15-16h30 - Page 30

Jereb P

P91, P117

Jimenez P

P37

Johnson J

P125

Jørgensen LL

P93

Monday 29th October 2012 9h30-9h45 - Page 28

Juanes F

Tuesday 30th October 2012 9h15-9h30 - Page 31

Juárez A

P69

Judkins H

Tuesday 30th October 2012 10h00-10h15 - Page 31

Jurado A

P26

Júnior PVR

P123

Kamachi M

Monday 29th October 2012 15h15-15h30 - Page 29

Kaneshiro A

P15

Kang S

P75

Karatza A

P127

Kasugai T

Monday 29th October 2012 11h30-11h45 - Page 28

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Kato Y

P29, P62, P89, Monday 29th October 2012 15h15-15h30 - Page 29 Thursday 1st November 2012 9h30-9h45 - Page 34 14h15-14h30 - Page 35

Katsuragawa M

P21, P50 Friday 2nd November 2012 14h30-14h45 - Page 39

Kawai K

P96

Kawakami Y

P90

Keller S

P69, P128 Friday 2nd November 2012 9h00-9h15 - Page 38 12h15-12h30 - Page 39

Kelly JT

Tuesday 30th October 2012 11h00-11h15 - Page 31

Kidokoro H

P61, P105 Monday 29th October 2012 14h45-15h00 - Page 29

Kohn AB

P77

Kohno H

P53

Kojima S

P96

Kokot K

P77

Koueta N

P6, P20, P60, P70 Friday 2nd November 2012 16h00-16h15 - Page 40 16h15-16h30 - Page 40 16h30-16h45 - Page 40

Kubodera T

Monday 29th October 2012 11h00-11h15 - Page 28

Kuo CL P78

Landaeta MF

Landaeta ivii

P57

Laptikhovsky V

P24, P118 Monday 29th October 2012 9h15-9h30 - Page 28 Friday 2nd November 2012 10h15-10h30 - Page 38

Lavaniegos B

Friday 2nd November 2012 10h00-10h15 - Page 38

Le Pabic C

P6,P20, P60 Friday 2nd November 2012 16h15-16h30 - Page 40 16h30-16h45 - Page 40

Lebel J-M

P6

Friday 2nd November 2012 16h15-16h30 - Page 40 16h30-16h45 - Page 40

Lefkaditou E

P81, P117, P127

Leite TS

P14, P38, P65, P94, P123 Monday 29th October 2012 12h15-12h30 - Page 29 Tuesday 30th October 2012 11h15-11h30 - Page 31

Lenz TM

P38

León R

Thursday 1st November 2012 11h45-12h00 - Page 35 Friday 2nd November 2012 9h45-10h00 - Page 38

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Leporati SC

Monday 29th October 2012 14h30-14h45 - Page 29

Lett C

Friday 2nd November 2012 15h00-15h15 - Page 39

Levin LA

Friday 2nd November 2012 11h30-11h45 - Page 39

Li Q

P76. P100

Lima FD

P65. P94

Tuesday 30th October 2012 11h15-11h30 - Page 31

Linares-Aranda M

P7

Thursday 1st November 2012 14h15-15h30 - Page 35

Lindgren AR

Tuesday 30th October 2012 12h00-12h15 - Page 32 14h45-15h00 - Page 32

Lipinski M

P117

Tuesday 30th October 2012 11h30-11h45 - Page 31 Thursday 1st November 2012 16h45-17h00 - Page 36

Lira J

P95

Lopez K

P41

Lorenzo A

P43, P46

Lourenço S

P54, P83

Thursday 1st November 2012 10h15-10h30 - Page 34 11h30-11h45 - Page 35

López-Ripoll E

P8, P73

López-Rocha J

P101, P102

Lubin PA

P93

Monday 29th October 2012 9h30-9h45 - Page 28

Lucas M

Thursday 1st November 2012 9h15-9h30 - Page 34

Lucero MT

Tuesday 30th October 2012 16h15-16h30 - Page 33

Lyle JM

Monday 29th October 2012 16h45-17h00 - Page 30

Macleod CD

Thursday 1st November 2012 9h00-9h15 - Page 34

Madrid RMM

P66

Maehara V

Friday 2nd November 2012 9h30-9h45 - Page 38

Magalhães ARM

P40

Mahardika GN

Tuesday 30th October 2012 15h00-15h15 - Page 32

Maiorano P

P117

Maneja RH

P25

Manini-Ramos F

P71

Marcias S

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Marian JEAR

P96, P97, P98, P99 Monday 29th October 2012 10h15-10h30 - Page 28

Mariategui L

P29, P62

Thursday 1st November 2012 14h15-14h30 - Page 35

Marinho RM

P66

Mariño-Tapia I

P101

Markaida U

P73. P101

Friday 2nd November 2012 10h00-10h15 - Page 38

Marshall C

P18

Martin R

P43

Martinez A

Tuesday 30th October 2012 10h00-10h15 - Page 31

Martinez R

P41

Martins RS

P10, P21

Thursday 1st November 2012 12h00-12h15 - Page 35 Friday 2nd November 2012 15h00-15h15 - Page 39

Martínez R

Thursday 1st November 2012 14h15-15h30 - Page 35

Mascaró M

P16, P34, P41, P95 P101, P102 Thursday 1st November 2012 12h15-12h30 - Page 35 15h15-15h30 - Page 36 Massutí E

P128

Friday 2nd November 2012 9h00-9h15 - Page 38

Mather JA

P14

Monday 29th October 2012 12h15-12h30 - Page 29

Matsuyama M

P90

Matthews-Cascon H

P66

Mazzini FS

P55

Márquez L

P48

McHugh M

Thursday 1st November 2012 16h30-16h45 - Page 36

Melzner F

P25

Mereu M

P91. P117

Ménard F

Friday 2nd November 2012 9h30-9h45 - Page 38

Méndez MA

P63, P64

Méndez-Loeza I

P73

Miller C

Thursday 1st November 2012 9h45-10h00 - Page 34

Mobley AS

Tuesday 30th October 2012 16h15-16h30 - Page 33

Moccia F

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Mohamed KS

Tuesday 30th October 2012 15h00-15h15 - Page 32

Moltschaniwskyj N

Monday 29th October 2012 16h15-16h30 - Page 30 16h45-17h00 - Page 30 Thursday 1st November 2012 11h45-12h00 - Page 35

Morales-Nín B

P80

Moreno A

P54, P83, P122 Monday 29th October 2012 14h00-14h15 - Page 29 Thursday 1st November 2012 11h30-11h45 - Page 35 Friday 2nd November 2012 12h00-12h15 - Page 39

Morov AR

Monday 29th October 2012 9h30-9h45 - Page 28

Moroz LL

P4, P77

Morsan EM

Thursday 1st November 2012 11h15-11h30 - Page 35

Morse DE

Tuesday 30th October 2012 16h30-16h45 - Page 33

Muchlisin ZA

Tuesday 30th October 2012 15h00-15h15 - Page 32

Munehara H

Monday 29th October 2012 11h30-11h45 - Page 28

Mytilineou Ch

P127

Nakajima R

Monday 29th October 2012 11h15-11h30 - Page 28

Narciso L

P54

Thursday 1st November 2012 10h15-10h30 - Page 34

Navarro MO

Friday 2nd November 2012 11h30-11h45 - Page 39

Nelson J

P125

Nichols OC

P56

Monday 29th October 2012 15h00-15h15 - Page 29

Nigmatullin ChM

P103

Monday 29th October 2012 9h00-9h15 - Page 28

Nishiguchi MK

P9

Tuesday 30th October 2012 16h45-17h00 - Page 33

Nishikawa H

Monday 29th October 2012 15h15-15h30 - Page 29

Noreña-Barroso E

P34

Norman MD

Tuesday 30th October 2012 15h15-15h30 - Page 32

Noro K

P88

Nunes ML

P122

Oakley TH

Tuesday 30th October 2012 12h00-12h15 - Page 32

Ochi Y

Thursday 1st November 2012 9h30-9h45 - Page 34

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Oesterwind D

P30

Ogura A

Tuesday 30th October 2012 14h30-14h45 - Page 32

Olivar MP

Friday 2nd November 2012 9h00-9h15 - Page 38

Oliveira C

P44

Oliveira JL

P65, P94, P123

Olson RJ

Friday 2nd November 2012 8h30-8h45 - Page 38

Ono K

P96

Ordines F

P128

Friday 2nd November 2012 9h00-9h15 - Page 39

Outeiriño L

P79

Overa-Novoa M

P33

Paiva VH

P129

Pankey MS

Tuesday 30th October 2012 12h00-12h15 - Page 32 12h15-12h30 - Page 32

Papaconstantinou C

P81

Pardo-Gandarillas MC

P57. P63. P64. P116

Paredes R

P87

Pascual C

P28, P41, P131

Thursday 1st November 2012 12h15-12h30 - Page 35 15h15-15h30 - Page 36

Pascual S

P79

Pecl GT

Monday 29th October 2012 16h45-17h00 - Page 30 Thursday 1st November 2012 11h45-12h00 - Page 35 Friday 2nd November 2012 9h45-10h00 - Page 38

Pegado MR

Tuesday 30th October 2012 16h00-16h15 - Page 33

Peña F

P63. P57. P116

Perales-Raya C

P13, P26, P37

Pereira J

P83

Monday 29th October 2012 14h00-14h15 - Page 29 Thursday 1st November 2012 10h15-10h30 - Page 34 11h30-11h45 - Page 35

Pereira P

P122

Pereira D

P46

Perez JAA

P82

Tuesday 30th October 2012 11h30-11h45 - Page 31 Thursday 1st November 2012 16h00-16h15 - Page 36

Peristeraki P

P117

Petrere M

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Petroni G

Friday 2nd November 2012 12h15-12h30 - Page 39

Pérez N

P74

Pérez-Campos RAA

P28, P131

Pérez-Vega JA

P28. P131

Phillips RA

P132

Friday 2nd November 2012 8h45-9h00 - Page 38

Piatkowski U

P25, P30

Pierce GJ

Thursday 1st November 2012 9h00-9h15 - Page 34 11h30-11h45 - Page 35

Pilar-Fonseca T

P88

Monday 29th October 2012 14h00-14h15 - Page 29

Pimentel MS

P122

Friday 2nd November 2012 12h00-12h15 - Page 39

Pliego-Cárdenas R

P119

Pol MV

Monday 29th October 2012 14h15-14h30 - Page 29

Polese G

P4, P49, P77 Monday 29th October 2012 12h00-12h15 - Page 29

Porta J

Thursday 1st November 2012 15h00-15h15 - Page 36

Porta JM

Thursday 1st November 2012 15h00-15h15 - Page 36

Portela JM

P32

Portela E

P16

Monday 29th October 2012 11h45-12h00 - Page 29

Postuma FA

P17, P21, P39, P72 Monday 29th October 2012 9h45-10h00 - page 28 Thursday 1st November 2012 12h00-12h15 - Page 35

Poulin E

P63, P64, P116

Pungor JR

P75

Qian YS

P100

Quetglas A

P69, P128

Friday 2nd November 2012 9h00-9h15 - Page 38

Quintana D

P47

Friday 2nd November 2012 12h15-12h30 - Page 39

Quispe J

P29

Ragonese S

P117

Ragsdale CW

P75

Tuesday 30th October 2012 14h15-14h30 - Page 32

Ramírez I

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Ramos J

Thursday 1st November 2012 11h45-12h00 - Page 35

Ramos JA

P129

Ratcliffe N

P132

Regueira M

P130

Thursday 1st November 2012 11h00-11h15 - Page 34

Reid A

P27. P120

Reis IMM

P40

Reis DB

P44

Ribeiro L

P44

Riera D

P37

Riz FR

P109

Roberts J

P133

Roberts MJ

Thursday 1st November 2012 9h15-9h30 - Page 34 Friday 2nd November 2012 11h00-11h15 - Page 38 11h45-12h00 - Page 39

Robertson SG

Monday 29th October 2012 16h15-16h30 - Page 30

Robin JP

P19, P22, P58, P60 Monday 29th October 2012 16h30-16h45 - Page 30 Thursday 1st November 2012 10h00-10h15 - Page 34 Friday 2nd November 2012 16h00-16h15 - Page 40 16h15-16h30 - Page 40

Robinson CJ

P111

Robison BH

P23

Thursday 1st November 2012 14h00-14h15 - Page 35

Rocha F

P54

Rodhouse PGK

Friday 2nd November 2012 8h30-8h45 - Page 38

Rodrigues M

P9

Rodriguez S

P35, P41

Rodríguez C

P37, P43, P46

Rodríguez-Canul R

P28. P131

Thursday 1st November 2012 12h15-12h30 - Page 35

Rodríguez-Domínguez A

P73

Roel BA

Monday 29th October 2012 16h30-16h45 - Page 30 Thursday 1st November 2012 10h00-10h15 - Page 34

Rogers A

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Rokhsar DS

Tuesday 30th October 2012 14h15-14h30 - Page 32

Romeo T

P117

Roper CFE

P59

Friday 2nd November 2012 14h00-14h15 - Page 39

Rosa R

P11, P12, P54, P121, P122 Tuesday 30th October 2012 16h00-16h15 - Page 33 Friday 2nd November 2012 12h00-12h15 - Page 39

Rosas C

P7, P8, P13, P16, P33, P34, P35, P41, P73, P95, P101, P102 Monday 29th October 2012 11h45-12h00 - Page 29 Thursday 1st November 2012 12h15-12h30 - Page 35 15h15-15h30 - Page 36

Rosas-Luis R

P31, P32 Friday 2nd November 2012 9h15-9h30 - Page 38

Rosón G

Friday 2nd November 2012 14h45-15h00 - Page 39

Roumbedakis K

P40

Roura A

P5, P9 Friday 2nd November 2012 14h45-15h00 - Page 39

Rufener M-C

P123

Ruiz JF

P57

Sabirov RM

P93, P103, P104 Monday 29th October 2012 9h00-9h15 - Page 28 9h30-9h45 - Page 28

Sadavasu K

Thursday 1st November 2012 9h30-9h45 - Page 34

Safi G

P60, P70 Friday 2nd November 2012 16h00-16h15 - Page 40 16h15-16h30 - Page 40 16h30-16h45 - Page 40

Saigusa M

P104

Saitoh T

Friday 2nd November 2012 15h15-15h30 - Page 39

Sakai M

P29, P62, P89 Monday 29th October 2012 15h15-15h30 - Page 29 Thursday 1st November 2012 9h30-9h45 - Page 34 14h15-14h30 - Page 35

Sakurai Y

P105

Monday 29th October 2012 14h45-15h00 - Page 29 Friday 2nd November 2012 15h15-15h30 - Page 39

Salinas I

P74

Salinas-Zavala CA

P71, P114 Friday 2nd November 2012 10h00-10h15 - Page 38

Salman A

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Salmon B

Tuesday 30th October 2012 9h15-9h30 - Page 31

Salzano AM

P92

Sanchez P

P31, P32,

Friday 2nd November 2012 9h15-9h30 - Page 38 12h15-12h30 - Page 39

Santamaria F

P37

Santos AMP

Thursday 1st November 2012 11h30-11h45 - Page 35

Santos B

P117

Santos JAT

P82

Santos MB

Thursday 1st November 2012 9h00-9h15 - Page 34

Santos J

P101, P74

Santos RA

Thursday 1st November 2012 16h15-16h30 - Page 36

Santos-Valencia J

P102

Sasikumar G

Tuesday 30th October 2012 15h00-15h15 - Page 32

Sato N

Monday 29th October 2012 11h30-11h45 - Page 28

Sauer WHH

Thursday 1st November 2012 16h45-17h00 - Page 36 Friday 2nd November 2012 11h45-12h00 - Page 39

Sauve R

P70

Sánchez A

025

Thursday 1st November 2012 12h15-12h30 - Page 35 15h15-15h30 - Page 36

Scaloni A

P92

Schroeder R

P84

Thursday 1st November 2012 16h00-16h15 - Page 36

Schwarz R

P84

Segawa S

P15, P53

Monday 29th October 2012 10h00-10h15 - Page 28

Segovia IL

P44

Seibel BA

P11

Tuesday 30th October 2012 16h00-16h15 - Page 33

Seitou M

Monday 29th October 2012 15h15-15h30 - Page 29

Sellanes J

P116

Semmens J

Thursday 1st November 2012 11h45-12h00 - Page 35

Sendão i

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Serpentini A

P6

Friday 2nd November 2012 16h15-16h30 - Page 40 16h30-16h45 - Page 40

Serrano A

P5

Shaw PW

P58

Thursday 1st November 2012 10h00-10h15 - Page 34 16h45-17h00 - Page 36

Sherbakova A

P37

Shiraki Y

P96

Silva C

P44

Silva L

P69, P74, P106, P115

Simier M

Friday 2nd November 2012 9h30-9h45 - Page 38

Simoes N

P16

Monday 29th October 2012 11h45-12h00 - Page 29

Sims DW

Thursday 1st November 2012 16h30-16h45 - Page 36

Smith C

P127

Sobrino I

P106, P109, P115

Sosnowski A

P124

Souza-Bastos LR

P1

Staudinger MD

Tuesday 30th October 2012 9h15-9h30 - Page 31

Stokes AN

Tuesday 30th October 2012 16h45-17h00 - Page 33

Stonier TA

Thursday 1st November 2012 16h45-17h00 - Page 36

Strugnell JM

Tuesday 30th October 2012 14h00-14h15 - Page 32 15h15-15h30 - Page 32 Thursday 1st November 2012 11h45-12h00 - Page 35

Suzuki Y

P96

Sykes AV

P36, P37, P42, P43, P44 P45, P46, P47, P48 Thursday 1st November 2012 15h00-15h15 - Page 36

Szymanski MJ

Monday 29th October 2012 14h15-14h30 - Page 29

Tafur R

P29, P62 Thursday 1st November 2012 14h15-14h30 - Page 35 Friday 2nd November 2012 9h30-9h45 - Page 38

Takahashi K

Thursday 1st November 2012 9h30-9h45 - Page 34

Tanaka KY

P10

Teffer AK

Tuesday 30th October 2012 9h15-9h30 - Page 31

Teixeira PB

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Teixeira T

P12

Tello E

P29

Tetley M

Thursday 1st November 2012 9h00-9h15 - Page 34

Thuv DB

Tuesday 30th October 2012 15h00-15h15 - Page 32

Tomas ARG

P85. P86

Tracey S

Monday 29th October 2012 16h45-17h00 - Page 30

Tresguerres M

Friday 2nd November 2012 11h30-11h45 - Page 39

Trites AW

P126

Troncone L

P4, P49

Troncoso JS

P9

Trübenbach K

P11, P12

Tuesday 30th October 2012 16h00-16h15 - Page 33 Friday 2nd November 2012 12h00-12h15 - Page 39

Tsuchiya K

P15, P53, P62 Monday 29th October 2012 10h00-10h15 - Page 28 Thursday 1st November 2012 14h15-14h30 - Page 35

Uchikawa K

P61

Ulloa Severino FP

Monday 29th October 2012 12h00-12h15 - Page 29

Umezu Y

Monday 29th October 2012 10h00-10h15 - Page 28

Usui N

Monday 29th October 2012 15h15-15h30 - Page 29

Valeiras J

P5, P74

Valinassab T

Tuesday 30th October 2012 12h15-12h30 - Page 32

Valls M

P69. P128

Friday 2nd November 2012 9h00-9h15 - Page 38

Van der Vyver JSF

Thursday 1st November 2012 16h45-17h00 - Page 36

Vecchione M

P59, P124

Tuesday 30th October 2012 9h00-9h15 - Page 31 10h00-10h15 - Page 31 Friday 2nd November 2012 14h00-14h15 - Page 39

Vello C

P79

Venkatesan V

Tuesday 30th October 2012 15h00-15h15 - Page 32

Vidal EAG

P1, P38, P55, P107 Tuesday 30th October 2012 11h30-11h45 - Page 31 Friday 2nd November 2012 14h15-14h30 - Page 39

Vidoris P

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Vila C

P109

Villalobos H

P71

Villanueva Gomila L

P51

Villanueva R

Friday 2nd November 2012 12h15-12h30 - Page 39

Villari A

P117

Villegas G

P13, P41 Thursday 1st November 2012 15h15-15h30 - Page 36

Villegas MJ

P87

Virtue P

Monday 29th October 2012 16h15-16h30 - Page 30

Wakabayashi T

P29, P62, P89

Thursday 1st November 2012 14h15-14h30 - Page 35

Wang HY

P78

Wang WJ

P100

Wearmouth VJ

Thursday 1st November 2012 16h30-16h45 - Page 36

Williams BL

Tuesday 30th October 2012 16h45-17h00 - Page 33

Williams GN

Thursday 1st November 2012 11h15-11h30 - Page 35 Winkelmann I

Tuesday 30th October 2012 14h00-14h15 - Page 32

Winlow W

Monday 29th October 2012 12h00-12h15 - Page 29

Wood JB

P125

Wormuth JH

Monday 29th October 2012 16h00-16h15 - Page 30

Wosnick N

P1

Xavier JC

P129, P132, P133 Thursday 1st November 2012 10h15-10h30 - Page 34 Friday 2nd November 2012 8h45-9h00 - Page 38

Yamaguchi T

P90

Yamamoto J

P105

Friday 2nd November 2012 15h15-15h30 - Page 39

Yamashiro C

P29. P62

Thursday 1st November 2012 14h15-14h30 - Page 35

Yamashita N

Monday 29th October 2012 14h45-15h00 - Page 29

Yamassaki GE

P107

Yang JM

P100

Ye Q

27 Oct - 02 Nov 2012 | Majestic Palace Hotel | Florianópolis, Santa Catarina, Brazil

Yemane D

Thursday 1st November 2012 16h45-17h00 - Page 36

Yoo HK

Friday 2nd November 2012 15h15-15h30 - Page 39

Yoshida MA

Tuesday 30th October 2012 14h30-14h45 - Page 32

Young JW

Friday 2nd November 2012 8h30-8h45 - Page 38

Zeidberg LD

Thursday 1st November 2012 9h45-10h00 - Page 34

Zemlak T

Friday 2nd November 2012 11h00-11h15 - Page 38

Zepeda-Benitez VY

P52, P111

Zheng XD

P76, P100



Conference Host



Institutional Support

