

**PROGRAM OF THE 2011 INTERNATIONAL MALACOLOGY REUNION
WSM-SMMAC JOINT MEETING, JUNE 27-30, 2011
PROGRAMA DE LA REUNION INTERNACIONAL MALACOLOGIA 2011**

MONDAY JUNE 27/LUNES 27 JUNIO

MEETING ROOM/SALÓN DE CONFERENCIAS MADRE PERLA

- 08:00 09:00 **REGISTRATION/REGISTRO DE PARTICIPANTES**
09:00 09:30 **INAUGURAL CEREMONY/CEREMONIA DE INAUGURACIÓN**
09:30 09:45 **BREAK/RECESO**

SYMPOSIUM *History of Malacology in Baja California*. MODERATOR / MODERADOR: Hans Bertsch

- 09:45 10:10 Utilization of old shells dated between >47,500 b.p. and 35,500 b.p. at Covacha Babisuri, Espiritu Santo Island, Baja California Sur. Harumi Fujita & Emiliano Melgar
10:10 10:35 Mollusks and the Prehistory of Baja California. Miguel Agustín Téllez Duarte
10:35 11:00 Fossil mollusks of the ancient gulf of California: geologic setting and importance of its Tertiary - Caribbean species. Judith Terry Smith
11:00 11:25 Baja California's First Conchologist: Padre Kino, Abalones, and the Island of California. Hans Bertsch
11:25 11:45 **BREAK/RECESO**
11:45 12:10 Historical Events on the Foundation of the Abalone Industry in Baja California. Jesús Iván Murillo Álvarez
12:10 12:35 State of the art, innovations and perspectives of pearl culture in *Haliotis* spp. (Gastropoda: Haliotidae). Mario Monteforte & Horacio Bervera
12:35 13:00 Keen eyes and follow-up research: How Ed Ricketts dealt with the chiton and limpet collections from his famous 1940 Sea of Cortez expedition. Douglas J. Eernisse
13:00 13:25 Pearls and the Pericu Culture in Baja California Sur, México. Carlos J. Cáceres Martínez
13:25 13:50 A Modern Frontier: Opisthobranch Research in the Sea of Cortez. Hans Bertsch
13:50 15:00 **LUNCH/COMIDA**

AQUACULTURE/ACUACULTURA. MODERATORS / MODERADORES: Andrés M. Góngora Gómez & Teodoro Reynoso Granados

- 15:00 15:20 Evaluation of stocking density on growth, survival and reproduction in the farming pen shell *Atrina maura* (Sowerby, 1835) (Bivalvia: Pinnidae): the Estero San Buto, Baja California Sur. Ruth Escamilla Montes, César Arturo Ruíz Verdugo, Ana Isabel Beltrán Lugo, Koch Volker & Miguel Robles-Mungaray
15:20 15:40 Influence of ploidy status and age of graft tissue on mortality, nucleus retention and pearl quality in *Pinctada margaritifera*. Christophe M. Herbinger, Jean-Claude Cochard, Belinda Hui, Gilles Le Moullac, Mereanni Bellais, Christophe Ledu & Cedrik Lo
15:40 16:00 Settlement of larvae and juvenile nursery of the mangrove cockle *Anadara grandis* (Broderip and Sowerby, 1829) (Pelecypoda: Arcidae) in laboratory and ponds. Teodoro Reynoso-Granados, Pablo Monsalvo-Spencer, Manuel J. Mazón-Suástegui & Miguel Robles-
16:00 16:20 Growth and survival of the *Crassostrea corteziensis* oyster cultivate in la Piedra, Guasave, Sinaloa inlet. Ana L. Leal Sepúlveda, Andrés M. Góngora Gómez, Wenceslao Valenzuela Quiñónez
16:20 16:40 Japanese Oyster *Crassostrea gigas* growing in Navolato, Sinaloa, México. Brenda P. Villanueva Fonseca, Andrés M. Góngora Gómez, Teresa Leticia Espinosa Carreón
16:40 17:00 **BREAK/RECESO**
17:00 17:20 Growing egg masses of the black murex snail, *Muricanthus nigritus* under laboratory conditions. Andrés Góngora Gómez. Fátima Camacho Sánchez. Ana L. Domínguez Orozco
17:20 17:40 Growth of pen shell *Atrina maura* (Sowerby, 1835) cultured at different stocking densities in Los Redos, Navolato, Sinaloa. Juan Hernández Sepúlveda, Andrés Góngora Gómez, Ana L. Domínguez Orozco
17:40 18:00 Temperature-dependent growth and ingestion rates of laboratory-produced spat of the geoduck clam, *Panopea globosa* (Dall 1898). Daniela Rodríguez-Gonzalez, Zaúl García-Esquivel & Antonio Silva-Loera
18:00 18:20 Growth and size-dependent burial rates of the geoduck clam, *Panopea globosa*, in the laboratory. Sandra Tapia-Morales & Zaúl García-Esquivel

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- 18:20 19:20 **POSTER SESSION/SESIÓN DE CARTELES 1. COORDINADORES: Marcial Arellano Martínez, Arturo Tripp Quezada & Francisco García Rodríguez**
- P1 Population aspects of *Mytella strigata* (Hanley, 1843) (Bivalvia: Mytilidae): Growth and survival in the Estero La Piedra Macapule, Sinaloa, Mexico. Genaro Diarte-Plata, Ruth Escamilla-Montes, Héctor Cruz-Peregrino.
- P2 Evaluation of growth in juvenile red octopus *Octopus maya* at different cultivation densities, fed blue crab *Callinectes sapidus* in fiberglass tanks. Rodrigo García Torcuato & Ángel Ancona Ordaz
- P3 Evaluation of Isochrysis galbana as inoculum after harvesting of biomass and refrigeration stored at different time for commercial cultivation of bivalve larval feeds. Juan Manuel Pacheco Vega, Jesús Mario Meza Estrada, Jorge Arturo Agúndez Maldonado, Marco Antonio Cadena Roa, Carlos Rangel Dávalos
- P4 Biotechnology for the cultivation of the pen shell *Atrina maura* for their replenishment and preservation in Guasave, Sinaloa, Mexico coast. Andrés M. Góngora Gómez, Ana L. Domínguez Orozco, Lizeth C Villanueva Fonseca
- P5 Growth and survival of the *Chione fructifraga* clam in the ensenada La Palmita, Navolato, Sinaloa. Ana Laura Domínguez Orozco, Andrés Martín Góngora Gómez, Maria del Rosario Rubio Sandoval & Alejandro Nolasco Orta
- P6 Characterization of bacteria associated with lesions in the shell of the lion's paw scallop *Nodipecten subnodosus* (Sowerby, 1835), cultured in Bahía Tortugas, Baja California Sur. Villalva-Vega Jenniffer N., Vázquez-Yeomans Rebeca & Cáceres-Martínez Jorge A.
- P7 Genetic characterization of ostreid herpesvirus associated with mortalities of pacific oyster *Crassostrea gigas* in northwestern México. Yosef Chávez-Romero, Cáceres-Martínez J., Vázquez-Yeomans R.b & García-Ortega M.
- P8 Distribution prevalence and intensity of *Perkinsus marinus* in *Crassostrea corteziensis* Sinaloa, Northwest Mexico. Teresa de Jesús Pineda-García, Jorge Cáceres-Martínez, Rebeca Vázquez-Yeomans & Leobardo Montoya-Rodríguez
- P9 Characteristics of the operculum of snails *Astraea turbanica* (Dall, 1910) and *A. undosa* (Wood, 1828) on the west coast of the Baja California peninsula, Mexico. María Georgina Gluyas Millán, Dulce Zita Martínez Quiroz & María Berenice Cota.
- P10 Variation of growth marks in operculum of snail *Astraea turbanica* (Dall, 1910) of Isla Natividad, Baja California Sur, Mexico.. Dulce Zita Martínez Quiroz & María Georgina Gluyas Millán
- P11 Populations aspects of three *Chione californiensis* (Broderip, 1835) banks in Altata, lacunar system Navolato, Sinaloa, Mexico. Martín A. Camacho Evans, Andrés M. Góngora Gómez, Wenceslao Valenzuela Quiñones, Juan Antonio Hernández Sepúlveda.
- P12 Bioeconomic assessment of lion's paw *Nodipecten subnodosus* (Sowerby, 1835) fishery in Laguna Ojo de Liebre, B.C.S., México. Medina-Espinoza, J. Armando & Ernesto A. Chávez-Ortiz
- P13 Application of hydroacoustic and remote sensing techniques in the study of giant squid (*Dosidicus gigas* D'Orbigny, 1835) in the Gulf of California. Erika Alarcón-Chavira, Laura Avilés-Díaz, Carlos Robinson & Brian Urbano-Alonso
- P14 Marketing implications for fisheries and aquaculture: oyster case. Fabiola Lango Reynoso, Maria del Refugio Castañeda Chávez, Itzel Galaviz Villa, Victor Zarate Noble & Cecilia Quiroga Brahm
- P15 Marine mollusks of commercial importance for human consumption in Acapulco, Guerrero. Rafael Flores-Garza, Sergio García-Ibáñez, Pedro Flores-Rodríguez, Carmina Torreblanca-Ramírez, Adriana Reyes-Gómez, Arquímedes Suástegui Zarate, Lizeth Galeana-Rebolledo Victor I. López-Rojas & Domingo G. Arana- Salvador
- P16 Density and growth of mangrove cockle (*Anadara tuberculosa*) in the Ensenada de La Paz, Baja California Sur, Mexico: mark and recapture experiments. Esteban Fernando Félix-Pico & Mauricio Ramírez Rodríguez
- P17 Population structure of *Tegula aureotincta* (Forbes, 1852) and *T. eiseni* (Jordan, 1936) (Mollusca: Gastropoda: Trochidae) in bahía Asuncion, Baja California Sur, Mexico. Mónica Nurenskaya Vélez-Arellano, José Iván Velázquez-Abunader and Sergio A. Guzmán del Prío
- P18 Effect of photoperiod on the reproductive cycle of *Chiton virgulatus* Sowerby, 1840 in La Paz Bay, B.C.S. Mexico. Mónica Nurenskaya Vélez Arellano, Federico Andrés García Domínguez y Marcial Arellano Martínez
- P19 Reproduction of donkey thorny oyster *Spondylus calcifer* (Carpenter, 1857) in the central western of Gulf of California (Agua Verde, B.C.S.), Mexico. Gladys G. Cota-Hernández, F. N. Melo-Barrera & M. T. Villalejo-Fuerte

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- P20 Reproduction and biochemical composition of the lion-paw scallop *Nodipecten subnodosus* in Bahía de Los Ángeles, B.C., Mexico. Josué A. Yee-Duarte, Marcial Arellano-Martínez & Bertha P. Ceballos-Vázquez
- P21 Reproductive cycle of the mangrove oyster *Crassostrea columbiensis* (Bivalvia: Ostreidae) in Santo Domingo Bay, BCS, México. Félix-Pico, E.F., B. P. Ceballos-Vázquez & A.R. Rivera- Camacho
- P22 Size at first maturity of squalid callista *Megapitaria squalida*. Abril Romo-Piñera, M. Arellano-Martínez & F. García-Domínguez

20:00 23:00 **WELCOMING RECEPTION/BRINDIS RESTAURANT LA TERRAZA DEL HOTEL PERLA**

TUESDAY JUNE 28/MARTES 28 DE JUNIO

MEETING ROOM/SALÓN DE CONFERENCIAS MADRE PERLA

- 09:50 10:20 FORO DE CONABIO: Taxonomic catalogue of Mollusk native species in Mexico. Patricia Koleff, Diana Hernández Robles & Susana Ocegueda Cruz
- 10:20 11:20 Discussion of CAT/CAT Discusión del Foro
- 11:20 11:40 BREAK/RECESO

AQUACULTURE & BIOLOGY/ACUACULTURA Y BIOLOGIA. MODERATORS /

MODERADORES: Carlos J. Cáceres Martínez & Zaul García Esquivel

- 11:40 12:00 Clearance and ingestion rates of the geoduck clam, *Panopea globosa*, during larval development. Alejandra Ferreira-Arrieta, Zaul García-Esquivel, Marco Aurelio González-Gómez & Enrique Valenzuela-Espinoza
- 12:50 13:10 Potential fecundity estimation by tree methods in *Pteria sterna*, *Pinctada mazatlanica* and *Atrina Maura*. Jorge Iván Cáceres-Puig, Carlos Cáceres-Martínez, Leonardo Huato-Soberanis & Pedro E. Saucedo
- 13:10 13:30 Reproduction of donkey thorny oyster *Spondylus calcifer* (Carpenter, 1857) in the central western of Gulf of California (Agua Verde, B.C.S.), Mexico. Gladys G. Cota-Hernández, F. N. Melo-Barrera & M. T. Villalejo-Fuerte
- 13:30 13:50 Distribution of *Perkinsus marinus* an histopatological alterations in natural and cultured populations of *Crassostrea corteziensis* in Nayarit, México. Ananda Aracely Navarro-Barrera, Jorge Cáceres-Martínez, Rebeca Vásquez-Yeomans, and Gloria Padilla-Lardizábal
- 13:50 15:00 LUNCH/COMIDA

ECOLOGY/ECOLOGIA. MODERATORS / MODERADORES: Rafael Flores Garza & Adriana

Reyes Gómez

- 15:00 15:20 Comparative study of the use of sea cockroach *Chiton articulatus* Sowerby in Broderip & Sowerby, 1832 (Mollusca: Polyplacophora) in Acapulco, Guerrero, Mexico. Francis G. Olea-de la Cruz, Sergio García-Ibáñez, Rafael Flores-Garza, Pedro Flores-Rodríguez, Arcadio Valdés González, Domingo G. Arana Salvador & Iván Eduardo Bernabé-Moreno
- 15:20 15:40 Chitons from the coralline area of Oaxaca, Mexico (Polyplacophora). Adriana Reyes-Gómez, Norma A. Barrientos-Lujan & Jorge Medina-Bautista
- 15:40 16:00 Interspecific relationships of carnivorous *Plicopurpura pansa* (Gould, 1853) and grazer *Chiton articulatus*, Sowerby in Broderip & Sowerby, 1832, at four rocky shores of Acapulco, Guerrero, Mexico. Francisco Javier Valencia-Santana, Sergio García-Ibáñez, Pedro Flores-Rodríguez, Rafael Flores-Garza, D. G. Arana Salvador & A. Valdés González
- 16:00 16:20 Density and size of *Chiton articulatus* Sowerby in Broderip & Sowerby, 1832, at four rocky shores of Acapulco, Guerrero, Mexico. Eduardo Bernabé-Moreno, Sergio García-Ibáñez, Pedro Flores-Rodríguez, Rafael Flores-Garza & Domingo G. Arana Salvador
- 16:20 16:40 BREAK/RECESO
- 16:40 17:00 The Polyplacophora fauna of Guerrero, Mexico shores. Lizeth Galeana-Rebolledo, Rafael Flores-Garza, Adriana Reyes-Gómez, Sergio García-Ibáñez, Pedro Flores-Rodríguez, Salvador Ramírez-Salazar, Carmina Torreblanca-Ramírez y Domingo G. Arana Salvador
- 17:20 17:40 Chiton fauna in rhodoliths from coral reef zones in Western Mexico. Ronald Cesar Zepeta Vilchis & Ramón Andrés López Pérez

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CENTRO CULTURAL DE LA PAZ, SALÓN MULTIMEDIA

08:00 09:00 REGISTRATION/REGISTRO DE PARTICIPANTES

ARCHEOLOGY/ARQUEOLOGIA. MODERATORS / MODERADORES: Adrián Velázquez Castro & Belem Zuñiga Arellano

09:00 09:40 Manufacturing techniques of shell objects in Prehispanic Mexico. Adrián Velázquez Castro

09:40 10:00 Prehispanic beds manufacture with vermetids in Western Mexico. Berenice Flores Montes de Oca

10:00 10:20 An archaeological pendant manufactured in *Strombus gigas*, from Kohunlich, Quintana Roo, Mexico. Alicia Reyes Espinosa

10:20 10:40 The ritual shell garment from offering 24 of the Great Temple of Tenochtitlan. María de Lourdes Gallardo Parrodi

10:40 11:00 An archaeological pendant manufactured in *Strombus gigas*, from Kohunlich, Quintana Roo, Mexico. Daniela Rodríguez Obregón

11:50 12:10 BREAK/RECESO

12:10 12:30 Archaeological mollusks, use and production of ceremonial objects from the Temple of Feathered Serpent and the Pyramid of the Moon. Teotihuacan. Mexico. Clara Paz Bautista

12:30 12:50 A tapachtli offering in the Great Temple of Tenochtitlan, México. Norma Valentín Maldonado, Adrián Velázquez Castro & Álvaro Barrera Rivera

12:50 13:10 Marine and Land Mollusks in the Offering 133 of the Great Temple of Tenochtitlan. Belem Zúñiga Arellano & José María García Guerrero

13:10 13:30 Archaeological shells from Mezquital Valley, Hidalgo, Mexico. Luis Gomez-Gastelum & Patricia Fournier-Garcia

13:30 13:50 Mollusks in ancient shell middens in Northwestern Baja California: linking archaeology with approaches on human and natural impacts on marine ecosystems. Carlos Figueroa

13:50 15:00 LUNCH/COMIDA

15:00 15:20 Survey on the molluscs of the Sierra Gorda Prospección sobre los moluscos de la Sierra Gorda Queretana. María Teresa Olivera Carrasco & Edna Naranjo-García

15:20 15:40 From the households to the palace shell workshops: The identification of shell productive areas in Tula and Xochicalco. Emiliano Ricardo Melgar Tísoc & Reyna Beatriz Solís Ciriaco

15:40 16:00 BREAK/RECESO

POLLUTION/CONTAMINACION. MODERATORS / MODERADORES: Alma Sobrino Figueroa & Ismael Gárate Lizarraga

16:00 16:20 Toxicity and paralytic toxin profile in violet oyster and *Pyrodinium bahamense* var. *compressum* in Bahía de Acapulco Guerrero, Mexico. Ismael Gárate-Lizarraga, J. Díaz-Ortiz, B. Pérez-Cruz, J.J. Bustillos-Guzmán, M.A. Alarcón-Romero, L.A. Chávez-Almazán, J.L. García-Barbosa & S. López-Silva

16:20 16:40 Composition of the digestive gland of juvenile scallop *Argopecten ventricosus* (Sowerby, 1842), exposed to toxic metals. Alma Sobrino-Figueroa & Carlos Cáceres-Martínez

16:40 17:00 Seasonal assessment of the sanitary quality of the rock oyster in the Ensenada de la Paz, B.C.S. Carlos J. Cáceres-Martínez, J. Green Olachea & Alma Sobrino-Figueroa

17:00 17:20 Toxic effects of cadmium in juvenile of *Pteria sterna* (Gould, 1851). Alma Sobrino-Figueroa & Carlos Cáceres-Martínez.

17:20 17:40 BREAK/RECESO

17:40 18:40 **POSTER SESSION/SESIÓN DE CARTELES 2. COORDINADORES: Marcial Arellano Martínez, Arturo Tripp Quezada & Francisco García Rodríguez**

P23 Mollusc Collection of the Museum of Natural History at the Universidad del Mar (CMMHNUMAR). Castillejos-Moguel, F., B. L. Hernández-Barrera, D. T. Martínez-González, E. C. Peralta-García, V. I. Pérez-Enríquez, M. A. Valdivia-Mesinas & Norma Arcelia

P24 Malacologist catalog of Tuxpan, Veracruz. Cynthia D. Flores-Aguirre, C. Valdez, L.G. Aguilar-Estrada, D. Ortigosa & J.L. Garces-Salazar

P25 Molluscs from the wet section of the Colección Malacológica Dr. Antonio García-Cubas: a database. Martha Reguero, Deneb Ortigosa, Orquidea Lozada & Ranulfo Rodríguez

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- P26 Non-marine Bivalves and Gastropods of the Colección Malacológica Dr. Antonio García-Cubas (COMA). Lozada Flores, Orquidea, Deneb Ortigosa & Reguero, Martha
- P27 Taxonomic List of the molluscs asociated to macroalgae in Marietas Islands, Nay, & Tehuamixtle, Jalisco. Verónica C. Garcia-Hernández, J. Alfredo Jiménez-Cárdenas, Adrián Maldonado-Gazca & Eduardo Rios-Jara
- P28 Biological collection of marine mollusks at the Universidad Autónoma de Sinaloa. Ortíz Arellano, Mónica Anabel
- P29 List of malacological fauna found in certified beach "Garza Blanca" in Puerto Vallarta, Jalisco, Mexico. Karla Genoveva Ríos González, Francisco Salvador Gómez Graciano & Rafael García de Quevedo Machain
- P30 Fossil molluscs to Distrito Federal, México. María Teresa Olivera Carrasco & Edna Naranjo-García.
- P31 A multi-species dinoflagellate bloom and shellfish toxicity in the Costa Grande, Guerrero, Mexico (December, 2010). I. Gárate-Lizárraga, J. Díaz-Ortiz, B. Pérez-Cruz, M.A. Alarcón-Romero, L.A. Chávez-Almazán, J.L. García-Barbosa, S. López-Silva
- P32 Biochemical composition of particulate organic matter as an indicator of nutritional quality in Bahía Concepcion.. Verdugo-Díaz, G. & A. Martínez-López
- P33 Phytoplankton community structure in Bahía Concepcion, Gulf of California. Verdugo-Díaz, G., A. Martínez-López & I. Gárate-Lizárraga
- P34 Histopathology study in clam of the Tecolutla, Veracruz. Guzmán-García, Xochitl; Hernández-Calderas, Irma & José Roberto Jerónimo Juárez
- P35 Evaluation of oxygen consumption rate in juvenile pearl oysters *Pteria sterna* (Gould, 1851) exposed to cadmium. Alma Sobrino-Figueroa & Cáceres-Martínez C.
- P36 Seasonal variation of biomarkers in *Pteria sterna* (Gould, 1851). Alma Sobrino-Figueroa, Cáceres-Martínez C. & Vázquez-Botello A.
- P37 Malformations in the shell of catarina scallops juvenile (*Argopecten ventricosus*) exposed to toxic metals. Alma Sobrino-Figueroa & Cáceres-Martínez C.
- P38 Evaluation of the effects of metals Cd, Cr, Pb and its mixtures in the filtration rate of catarina scallop *Argopecten ventricosus* (Sowerby II, 1842). Alma Sobrino-Figueroa. & Cáceres-Martínez C.
- P39 Assessment of health of *Argopecten ventricosus* (Sowerby, 1842) in 2 localities of the Ensenada de la Paz B.C.S., México. Alma Sobrino-Figueroa. & Cáceres-Martínez C.
- P40 Biomarkers evaluation on adults catarina scallop *Argopecten ventricosus* (Sowerby, 1842) exposed to toxic metals. Alma Sobrino-Figueroa. & Cáceres-Martínez C.
- P41 Acute effect of chromiun, cadmiun and lead and their mixtures in larvae juvenile and adults of Catarina scallop *Argopecten ventricosus* (Sowerby, 1842). Alma Sobrino-Figueroa. & Cáceres-Martínez C.
- P42 Prospective study of Imposex in *Stramonita haemastoma floridana* induced by pollution in Tuxpan, Veracruz, México. Arteaga Lona Gabriela Alejandra, Jorge Garces Salazar, B. Urbano & Deneb Ortigosa
- P43 Imposex in *Plicopurpura pansa* (Mollusca:Neogastropoda) as a potential marine pollution bioindicator in Nayarit and Sinaloa, Mexico. Domínguez Ojeda, Delia, Patrón Soberano A., Robledo Marengo M. L. & Velázquez Fernández J.B.
- P44 Organochlorine pesticides in the oyster *Crassostrea virginica* cleaner in the Gulf of Mexico. Deysy Hernández-Gómez, M.R. Castañeda-Chávez & F. Lango-Reynoso
- P45 Vibrios In the American oyster *Crassostrea virginica* (Bivalvia: Ostreidae). María del Refugio Castañeda Chávez, Fabiola Lango Reynoso, Christian Reyes Velázquez & Magaly Mínguez Rodríguez
- P46 Vertical segregation of juvenile holoplanktonic molluscs in the epipelagic layer. Elia Lemus S. & Laura Sanvicente-Añorve.
- P47 Community structure of cephalopod paralarvae in the Mexican Pacific Ocean. R. De Silva-Dávila, Jazmín Granados-Amores, G. Aceves-Medina, R. Avendaño-Ibarra, & I. Cruz-
- P48 Early development and ecology of *Pterygioteuthis hoylei* (Pfeffer, 1912) in the Gulf of California, Mexico. Roxana De Silva-Dávila, F.G. Hochberg, A. Lindgren, C. Franco-Gordo, R. Avendaño-Ibarra, & Jaime Gómez-Gutiérrez.

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18:40 20:00 PHOTOGRAPHIC EXPOSITION/EXPOSICION GRAFICA ITINERANTE. Lourdes Suárez Díez, INAH

20:00 21:30 OFFICERS MEETING WSM-SMMAC/CONSEJO DE LA WSM-SMMAC

WEDNESDAY JUNE 29/MIERCOLES 29 DE JUNIO

CICIMAR-IPN, SALÓN MULTIUSOS

WORKSHOP BIVALVES OF BC/TALLER DE BIVALVOS DE BC. COORDINADORES: Federico

A. García Domínguez, Minerva Torres Alfaro & Arturo tripp Quezada

08:00 08:30 Take the van from hotel Perla to CICIMAR/Salida del hotel al CICIMAR

08:30 09:40 Workshop: A Hands-on Introduction to Marine Bivalve Mollusks of Baja California. Paul Valentich-Scott

09:40 10:00 Bivalve orienteering and important bivalve characters/Orientación y características importantes de los bivalvos

10:00 10:30 Working with large bivalve specimens/Práctica con bivalvos grandes

10:30 11:30 Working with typical Panamic small infaunal bivalves/Práctica con bivalvos pequeños panámicos

11:30 12:00 Wrap up: short discussion/Una breve discusión

12:00 12:30 Return to the hotel Perla/Regreso al hotel Perla

MEETING ROOM/SALÓN DE CONFERENCIAS MADRE PERLA

08:00 09:00 REGISTRATION/REGISTRO DE PARTICIPANTES

GENETIC/GENETICA. MODERATORS / MODERADORES: Douglas J. Eernisse & Bernhard Lieb

09:00 09:20 Preliminary sequence data of cerithioid mega-hemocyanin. Meik Neufurth, Bernhard Lieb, Wolfgang Gebauer and Jürgen Mark

09:20 09:40 Molecular identification of *Haliotis* (Mollusca, Gastropoda) larvae. Alejandra Arciniega-De Los Santos, Perez-Enriquez Ricardo, & Díaz-Viloria Noé

09:40 10:00 Do DNA, RNA and proteins tell the true story about molluscan history? Bernhard Lieb

10:00 10:20 Genetic evidences of larval dispersal and retention in pink abalone *Haliotis corrugata* by indirect and direct approaches. Noé Díaz-Viloria, Perez-Enriquez Ricardo, Guzmán-Del Próo Sergio A., Cruz Pedro, & Aguilar-Osuna Daniel

10:20 11:40 Phenotypic variation of *Cerithium maculosum*. Brian Urbano & D. Piñero.

11:40 12:00 BREAK/RECESO

GENETIC & ECOLOGY/GENETICA Y ECOLOGIA. MODERATORS / MODERADORES: Christophe Herbinger & Carlos A. Sánchez Ortíz

12:00 12:20 Genetic differences between pearl oyster *Pinctada margaritifera* populations in French Polynesia and impacts of culture practices. Tzitziki Loeza-Quintana, Christophe Herbinger, Vicky Yaroshewski, Sophie Arnaud-Haond, Vicent Vonau & Miguel A. del Río-Portilla

12:20 12:40 Morphological and genetic description of seven species of octopuses (Cephalopoda: Octopodidae) from coast of México. Alejandro Flores-Valle, Irene Barriga-Sosa, José L. Arredondo-Figueroa & Lourdes Jiménez-Badillo

12:40 13:00 A rapid and inexpensive barcode method without sequencing for native and introduced western North American oysters. Douglas J. Eernisse, Oscar A. Ortiz, Sean-Michael D. Mohoroski, & Danielle C. Zacherl

13:00 13:20 Rocky reef mollusks from the Biosphere Reserve Marias Islands, Mexico. Carlos A. Sánchez-Ortiz, Alexandra Sánchez-Rodríguez, Fernando Calderón-Gutiérrez & Octavio Aburto-Oropeza

13:20 13:40 Community structure of rocky shore intertidal mobile macroinvertebrates in Baja California, México. Eréndira Canales-Gómez, Gabriela Montaña-Moctezuma, Eugenio Carpizo-Ituarte, F. García-Pámanes, G. Chee-Barragán, R. Escobar-Fernández y G. Torres-Moye

13:40 13:50 GROUP PHOTOGRAPH/FOTOGRAFIA DEL GRUPO

13:50 15:00 LUNCH/COMIDA

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PALEONTOLOGY/PALEONTOLOGIA. MODERATORS / MODERADORES: Celestina González Arreola & Blanca E. Buitrón

- 15:00 15:40 The splendor and extinction of the ammonites (cephalopods) through the geologic time. Celestina González-Arreola
- 15:40 16:00 BREAK/RECESO
- 16:00 16:20 A Cambrian mollusks (*Hyolithida*, Syssoiev, 1957) from San José de Gracia, Sonora, North-western Mexico. Blanca E. Buitrón, Vachard Daniel, Clausen S. & Gómez, E. C.
- 16:20 16:40 Cretaceous vertebrate paleoichnites on an ostreid coquina layer: taphonomy or synecological relationships? Catalina Gómez, Raúl Gío-Argaéz & Blanca E. Buitrón
- 16:40 17:00 New reports of the mollusks in the Tepetate Formation (Paleocene – Eocene), Baja California Sur, México. Priscila Morales-Ortega & Gerardo González-Barba.
- 17:00 17:20 Oligocene molluscan paleontology of the San Juan Member (El Cien Formation) from Baja California Sur, Mexico. Diego Vera-Dimas & González-Barba Gerardo
- 17:20 17:40 Permian chitons of the Capitan Reef. Michael J. Vendrasco
- 17:40 18:00 BREAK/RECESO
- 18:00 19:00 **POSTER SESSION/SESIÓN DE CARTELES 3. COORDINADORES: Marcial Arellano Martínez y Francisco García Rodríguez**
- P49 Study on the gut and intestinal content in *Anadara tuberculosa* (Sowerby, 1833) through histological sections. María del Socorro Muñetón-Gómez, Marcial Villalejo-Fuerte, Ismael Gárate-Lizárraga
- P50 Analysis of natural feeding habits of *Megastrea undosa* (Wood, 1828) and *Megathura crenulata* (Sowerby, 1825) by means of stable isotopic signature of C and N. Gómez-Valdez, Magali, Piñón-Gimate Alejandra & Serviere-Zaragoza, Elisa
- P51 Jurassic paleoecological reconstruction based on the presence of Mollusks (Pelecypods and Gastropods) and plants (Cycads) in the Tlaxiaco Región, Oaxaca, Mexico. Alicia Silva Pineda, Blanca E. Buitrón & Raúl Carrasco Ramírez.
- P52 Environmental conditions affecting mollusks' distribution of Wagner and Consag Basins, northern Gulf of California, Mexico. Alma Pérez Mendoza, Margarita Hermoso Salazar, Arturo Toledano Granados, Vivianne Solís Weiss, Rosa María Prol Ledesma, Alejandro Estradas Romero, Viridiana Vázquez Figueroa, Patrick Collins
- P53 The malacological fauna of Wagner and Consag basins, northern Gulf of California, Mexico. Arturo Toledano Granados, Vivianne Solís Weiss, Rosa María Prol Ledesma & Margarita Hermoso Salazar
- P54 Evaluation of the diversity of the mollusk assemblage from Chamela Bay, Jalisco using the taxonomic distinction. Dafne Bastida Izaguirre, Arizbeth Alonso Domínguez, Cristian Moisés Galván Villa, Fabián Alejandro Rodríguez Zaragoza & Eduardo Ríos Jara
- P55 Community structure of soft bottom molluscs Cerralvo Island, Gulf of California, Mexico . Yazmin Julissa Vazquez Vega & Arturo tripp Quezada. CICIMAR-IPN, La Paz, México.
- P56 Mollusks from the "Sistema Arrecifal Veracruzano" National Park, Mexico. Aguilar-Estrada, Luis. G., Ortigosa, D., Urbano, B. & Reguero, M.
- P57 Molluscs in artificial substrate in Bahía Tenacatita, México. Ernesto López-Uriarte, M. C., Esqueda-González & E. Ríos Jara.
- P58 Assessment of mollusks assemblage using the average taxonomic distinction. Arizbeth Alonso Domínguez, Dafne Bastida Izaguirre, Eduardo Ríos Jara.
- P59 Histology study of digestive tract and venom gland of *Gemmula periscelida* (Gastropoda: Turridae). Norma Angélica Santibañez Aguascalientes; Esperanza Ortíz Ordóñez, Andrés Falcón Alcántara, Edgar P. Heimer de la Cotera & Itzel Ibarra Meza
- P60 Anatomic Description of the Digestive and venomous System from *Conus brunneus* (Gastropoda Conidae) at the Mexican Tropical Pacific. Zavalza-Urbe, Karla, Víctor Landa-Jaime, Erendira Gorrostieta-Hurtado, Judith Arciniiega-Flores, Emilio Michel-Morfin & Edgar Heimer de la Cotera
- P61 Histological observations of the sea hare *Dolabella auricularia* Lightfoot, 1786 (Gasteropoda: Opisthobranchia) tegument and subepithelial glands. Carlos A. Aguilar-Cruz; Fernando Calderón-Gutiérrez; Priscila Conde-Guerrero; Luna M López-Martínez. and Ilse Sánchez-Lozano
- P62 Extraction and purification of one toxin obtained from *Conus spurius* venom (Conidae: Neogastropoda). Esperanza Ortíz Ordóñez, José de Jesús Lobato Galindo; Norma Angélica Santibañez Aguascalientes, Andrés Falcón Alcántara, Edgar P. Heimer de la Cotera & Manuel B. Aguilar
- P63 Mendelian inheritance in pink abalone *Haliotis corrugata* microsatellites and their potential in paternity tests. Díaz-Viloria Noé, Perez-Enriquez Ricardo, Cruz Pedro, & Aguilar-Osuna Daniel

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- P64 Genetic variability of Geoduck clam *Panopea globosa* (Dall, 1898) in Northwest Mexico. Laura Izascum Pérez Valencia, Yareli Sugay Esquer Garrigós, Pedro Cruz Hernández, Sergio Alejandro Pérez Valencia
- P65 Mitochondrial ADN and restriction enzymes used to identify the marine conchs *Strombus gigas*, *Strombus costatus* y *Turbinella angulata*. Luis A. Rodríguez Gil, Carlos F. Reyes Sosa, Sara Nahuat Dzib, José L. Giorgana Figueroa, Roberto Zamora Bustillos.
- P66 Morphometric analyses and molecular phylogeny of geoduck clams *Panopea generosa* (Gould, 1850) and *P. globosa* (Dall, 1898). Ignacio Leyva-Valencia, Pedro Cruz-Hernández, S. Ticul Álvarez-Castañeda, Sergio González-Peláez, Sergio Pérez-Valencia, Brent Vadopalas, Delia I. Rojas-Posadas & Miguel Correa-Ramírez.

WEDNESDAY JUNE 29/MIERCOLES 29 DE JUNIO

CENTRO CULTURAL DE LA PAZ, SALÓN MULTIMEDIA

ECOLOGY/ECOLOGIA. MODERATORS / MODERADORES: Martha Reguero & Sergio García Ibáñez

- 16:00 16:20 Spatio-temporal variation in the recruitment of mollusks and echinoderms on subtidal rocky shores in Bahía de La Paz, B.C.S., México. Alejandra Aguillon N., M.Dinorah Herrero-Pérezrul & B. Patricia Ceballos Vázquez
- 16:20 16:40 Mollusks in intertidal rocks, Peñitas beach, Marquelia, Guerrero, Mexico. Enedina Santiago Cortés, Pedro Flores-Rodríguez, Rafael Flores-Garza, Sergio García-Ibáñez & D. G. Arana-Salvador
- 16:40 17:00 Micro-bivalves from Acapulco Bay, Guerrero, Mexico: Species Composition and Diversity. Jorge Luis Garcés-Salazar & Martha Reguero
- 17:00 17:20 Cartography and fisheries indicators of the scallop fishery (*Argopecten ventricosus*) in bahia Magdalena-Almejas, Baja California Sur, Mexico. Miguel Ángel Ojeda-Ruiz, Mauricio Ramírez-Rodríguez, Gustavo De la Cruz-Agüero & Germán Ponce-Díaz
- 17:20 17:40 The Mollusca communities of the rocky-shores in Majahua, Acapulco, Mexico. Carmina Torreblanca-Ramírez, Rafael Flores-Garza, Pedro Flores-Rodríguez, Sergio García-Ibáñez, Adriana Reyes-Gómez, Lizeth Galeana-Rebolledo & Domingo G. Arana-Salvador
- 17:40 18:00 Morphometric comparison of *Spondylus calcifer* (Bivalvia: Spondylidae) at two sites in the Gulf of California. Jesús Armando Medina-Espinoza, Francisco Javier García-Rodríguez & Marcial Villalejo-Fuerte
- 19:00 21:00 **SHELLS EXPOSITION AND FOSSILS/EXPOSICION DE CONCHAS Y FOSILES. COORDINADORES: Oscar E. Holguin, Cruz del Carmen Juárez & Gerardo Gonzalez**

THURSDAY JUNE 30/JUEVES 30 DE JUNIO

MEETING ROOM/SALÓN DE CONFERENCIAS MADRE PERLA

- 08:00 09:00 REGISTRATION/REGISTRO DE PARTICIPANTES
TERRESTRIAL MOLLUSCS & BIOLOGY/MOLUSCOS TERRESTRES Y BIOLOGIA.
MODERATORS / MODERADORES: Edna Naranjo García & Janet L. Leonard
- 09:00 09:40 Biodiversity of Mexican terrestrial mollusks and their challenges. Edna Naranjo-García
- 09:40 10:00 On the generation of conchological morphometric descriptors of *Fossaria* spp. and *Lymnaea neotropica* (Basommatophora: Lymnaeidae). Raúl Rojas-García, A. Eduardo Pineda-Villanueva, E. Naranjo-García, A. Espinosa de los Monteros & S.P. Rivas-Arancibia
- 10:00 10:20 Phylogeography and Rapid Evolution in Banana Slugs (Arionidae: *Ariolimax* spp.). Janet L. Leonard, John S. Pearse, Arantza Elejalde, Sanne Helsen, Natalie Van Houtte, Karin Breugelmans, Kurt Jordaens & Thierry Backeljau
- 10:20 10:40 Shell lenses and shell windows: How molluscs use their valves to manipulate light. Daniel I. Speiser
- 10:40 11:00 Multiscale Design of a Natural Articulating Armor: the Chitons (Mollusca: Polyplacophora). Matthew Connors, Sergio Araya & Christine Ortiz
- 11:00 11:20 BREAK/RECESO

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ECOLOGY & BIOLOGY/ECOLOGIA Y BIOLOGIA. MODERATORS / MODERADORES: Eduardo Ríos Jara & Edgar P. Heimer de la Cotera

- 11:20 11:40 Assemblage of bivalves from Bahía de Mazatlán, Sinaloa. María del Carmen Esqueda-González, Eduardo Ríos-Jara, José Salgado Barragán, Cristian Moisés Galván Villa, Daphne Bastida Izaguirre & Arizbeth Alonso Domínguez
- 11:40 12:00 Structure of the community of shallow-bottoms mollusks on the sand bar El Mogote, Gulf of California, Mexico. Arturo Tripp-Quezada, Arturo Tripp-Valdez & Enrique Arcos Huitrón
- 12:00 12:20 Fatty acid profile of the gonad and digestive gland of the winged pearl oyster *Pteria sterna* (Gould, 1856) during reproductive season in La Bahía de La Paz, B. C. S. Martha Hawkins Martínez, P. Saucedo & L. Carreón-Palau
- 12:20 12:40 Anatomical, histological and chromatographic characterization of the venomous apparatus of *Conus purpurascens*. Eréndira Gorrostieta-Hurtado, Emilio Michel-Morfín, Manuel B. Aguilar-Ramirez, Andrés Falcón-Alcantara, Lourdes Palma-Tirado, Federico A. García-Domínguez, Edgar P. Heimer de la Cotera
- 12:40 13:00 Are there sexual differences in the chemical composition of the secretion from the hypobranchial gland of the purple snail *Plicopurpura pansa* (Gould, 1853)? A preliminary study. Ludwig C.A. Naegel & Cormac D. Murphy.
- 13:00 13:20 Reproductive cycle of the geoduck clam, *Panopea globosa* and *P. generosa* (Bivalvia: Hiatellidae) in Northwest Mexico. Eugenio Alberto Aragón-Noriega & Luis Eduardo Calderón-Aguilera
- 13:20 13:40 Effect of a mild ENSO on the reproduction of the pen shell *Atrina maura* (Sowerby, 1835) (Bivalvia: Pinnidae) in Ensenada de La Paz, B.C.S., Mexico. Marian A. Camacho-Mondragón, Marcial Arellano-Martínez, Bertha P. Ceballos-Vázquez & Bernardo Shirasago-Germán
- 13:40 15:00 LUNCH/COMIDA

ECOLOGY & BIOLOGY/ECOLOGIA Y BIOLOGIA. MODERATORS / MODERADORES: Hans Bertsch & Pedro Flores Rodríguez

- 15:00 15:20 Conchological and anatomical description of *Scaphella dubia* and *S. dubia kieneri* (Gastropoda: Volutidae) collected in the Gulf of Mexico. Eréndira Gorrostieta-Hurtado, Cristina Gorrostieta-Hurtado, Alicia López del Real, Andrés Falcón-Alcántara, Manuel B. Aguilar-Ramirez & Edgar P. Heimer de la Cotera
- 15:20 15:40 Diversity and abundance of Opisthobranchia (Mollusca: Gastropoda) on rocky intertidal of the bays of St. Lucia and Puerto Marqués, Acapulco, Guerrero, México. Berenice G. Martínez-Vázquez, Pedro Flores-Rodríguez, Rafael Flores-Garza, Sergio García-Ibáñez, Miguel A Constantino-Castillo, Domingo G. Arana-Salvador
- 15:40 16:00 Identification of Opisthobranch (Anaspidea and Nudibranchia) in the coast of Oaxaca, Mexico. Diana Tamara Martínez González
- 16:00 16:20 Opisthobranchs (Mollusca: Opisthobranchia) associated with artificial substrate in Bahía Concepción, Baja California Sur, Mexico. Afelandra González-Cibrián & Luis Hernández
- 16:20 16:40 Ecological Network Analysis of the Feeding Biogeography of Nudibranchs: Inter- and Intra-Provincial Variations. Hans Bertsch
- 16:40 17:00 BREAK/RECESO
- 17:00 18:00 **GENERAL MEETING WSM-SMMAC/ASAMBLEA DE LA WSM Y SMMAC**
- 20:00 00:00 * **CLOSING CEREMONY/CEREMONIA DE CLAUSURA**
* **STUDENTS AWARD/ENTREGA DE PREMIOS A LAS MEJORES PRESENTACIONES DE ESTUDIANTES.**
* **DINNER/CENA BAILE RESTAURANTE LA TERRAZA DEL HOTEL PERLA**

FRIDAY JULY 1/VIERNES 1 DE JULIO

- 08:00 17:00 **Tour Bahía de Los Sueños/Excursión**
“Paseo al santuario de los cactus y bahía de Los Sueños”