

# VIII ECOP-ISOP JOINT MEETING 2019

## 28 JULY - 02 AUGUST - ROME ITALY

### POSTER SESSION 1

#### MONDAY 29 JULY

##### POSTER

**1 - Yuan Xu, Janne Soininen and Xinpeng Fan**  
*The Roles of Environment and Space in Explaining Species and Functional Trait Composition of Marine Eukaryotic Microbial Communities*

**2 - Sergei Skarlato**  
*Adaptation Strategies of the Invasive Bloom-Forming Dinoflagellates in Brackish Waters*

**3 - Xiaozhong Hu<sup>a</sup>, Zhishuai Qu<sup>a</sup>, Xiaotian Luo<sup>a</sup>, Weiwei Liu<sup>a</sup>, Ying Yan<sup>a</sup>, Wen Song<sup>a</sup>, Chunyu Lian<sup>a</sup>, Rui Wang<sup>a</sup>, Mingjian Liu<sup>a</sup>, Honggang Ma<sup>a</sup>, Mingzhuang Zhu<sup>a</sup>, Mei Wang<sup>a</sup>**  
*Four-Year Study a*

**4 - David Singer, Christophe V. W. Seppey, Stefan Geisen, Micah Dunthorn, Colomban de Vargas, David Bass, Lassâad Belbahri, Quentin Blandenier, Didier Debroas, G. Arjen de Groot, Clément Duckert, Isabelle Domaizon, Irina Izaguirre, Isabelle Koenig, Gabriella Mataloni, M. Romina Schiaffino, Edward A. D. Mitchell and Enrique Lara**  
*Protist taxonomic and functional diversity in soil, freshwater and marine environments*

**5 - Hunter Hines, Genoveva Esteban and Peter McCarthy**  
*Cell-fies: sharing microbiology with a global audience through Instagram*

##### Abstract N.<sup>o</sup>

##### POSTER

**1 - Nadine Graupner and Micah Dunthorn**  
*Environmental meiotic gene inventories*

**2 - Glauber Thiago Martins Barino, Luísa Oliveira, Marta D'Agosto, Mariana Fonseca Rossi and Roberto Júnio Pedroso Dias**  
*Diversity of haemosporidian parasites in birds of prey from Brazil*

**11 - Shelby Williams, Jon Jerlström Hultqvist, Dayana Salas-Leiva, Bruce Curtis, Yana Eglit, Alastair Simpson and Andrew Roger**  
*Comparative Genomic Analysis of Novel Metamonads Show Progressive Loss of Mitochondrial Function*

**13 - Yeong Du Yoo, Byoung-Ju Choi, Kyeong Ah Seong, Sang Ho Lee and Wonho Yih**  
*Influence of the tidal front on the spatial distribution of phytoplankton in the mid-western coastal waters of Korea*

**19 - Maximilian Ganser, Sabine Agatha and Peter Radacher**  
*A Sleeping Beauty: Morphology and Ultrastructure of the Resting Cyst in the Marine Planktonic Tintinnid Schmidingerella meunieri (Alveolata, Ciliophora, Spirotricha)*

##### Abstract N.<sup>o</sup>

##### POSTER

**20 - Yukinori Nishigami, Takuya Ohmura and Masatoshi Ichikawa**  
*The cellular shape affects the behavior of ciliates.*

**34 - Sabine Agatha and Ronja Rüdell**  
*The Significance of the Lorica Matrix for Inferring Tintinnid Phylogeny (Alveolata, Ciliophora, Spirotricha)*

**46 - Margit Kagerer, Carmen Zinsmeister and Sabine Agatha**  
*Tintinnid (Alveolata, Ciliophora) Richness in the Northeast Pacific and Discovery of Potentially New Morphospecies*

**47 - Cheng Yu, Yan Liu, Xinxin Lu, Yawen Fan**  
*The Biodiversity of biraphid diatoms from Yunnan Province, China*

**52 - Elena Gerasimova and Andrey Plotnikov**  
*Biodiversity of centrohelid heliozoa in the Tuzlukkol River with a salinity gradient*

**52 - Francisco Eduardo Sánchez-Hidalgo, Karla María Morales-Zamora, Dalila Fragoso-Tejas Luz María**  
*Diversity of benthic protists in Pancho Poza river, Altotonga, Veracruz, Mexico*

##### Abstract N.<sup>o</sup>

##### POSTER

**66 - Luciana Burdman, Clément Duckert, Gabriela Gonzalez Garraza, Edward A. D. Mitchell, Gabriela Mataloni and Enrique Lara**  
*The diversity of genus Euglypha (Rhizaria) in subantarctic peatlands*

**68 - Jinik Hwang, Jae Yeon Park and Seung Joo Moon**  
*Loop-mediated isothermal amplification for rapid and sensitive detection of toxic epiphytic dinoflagellates*

**78 - Hae-Jin Sohn, A-Jeong Ham, Jae-Ho Lee, A-Young Park, Heekyoung Kang, Ho-Joon Shin and Jong-Hyun Kim**  
*Immunochemical characterization of a profilin gene upregulated in *Nagegia fowleri* cysts*

**82 - Osamu Numata and Kentaro Nakano**  
*Study on the acquisition mechanism of resistance to actin polymerization inhibitor in *Tetrahymena* -Existence of actin homeostasis control mechanism-*

**89 - Xiaotian Luo, Jie Huang and William Bourland**  
*Morphology and Phylogeny of a Hypotrichous Ciliate, *Hypotrichidium tisiae* (Gelei, 1929) Gelei, 1954 (Protozoa, Ciliophora, Spirotrichea), with emphasis on its morphogenesis*

##### Abstract N.<sup>o</sup>

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**POSTER**

**22 - Sergei Fokin, Wanying Liao, Mahesh Nitla, Sasho Trajanovski, Mihailo Jovicevic and Daniel Molloy**  
*Morphological Evidence of an Ophryoglena n. sp. Parasitic in Dreissenia carinata*

**23 - Laura Halligan and Jackie Collier**  
*Are labyrinthulomycetes a source of essential fatty acids to marine food webs?*

**24 - Young Ok Kim, Hong Yeon Cho and Jungmin Choi**  
*Optimal monitoring frequency on detection of natural variability in ciliate plankton*

**25 - Jungmin Choi, Young-Ok Kim, Jae-Hoon Noh and Dong Han Choi**  
*Tintinnid distribution from the frontal zone in the southern waters of Korea and a brief description of Metacylis-like species*

**26 - Sakie Otani, Kento Nagao, Mikihiko Arikawa and Toshinobu Suzuki**  
*Function of the siliceous scales in the centrohelid heliozoan Raphidiophrys contractilis*

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**POSTER**

**27 - Ji Hye Kim, Atef Omar and Jae-Ho Jung**  
*Morphology and phylogeny of a new Protocruzia species (Ciliophora, Protocruziea) from Ulleung Island, Korea*

**28 - Ji Hye Moon, Atef Omar and Jae-Ho Jung**  
*Morphology and molecular phylogeny of a new Pseudocyrtohyphema species (Ciliophora, Spirotrichea, Oxytrichidae) from South Korea*

**29 - Akane Chihara, Kento Nagao and Toshinobu Suzuki**  
*Structure and composition of siliceous scales in the centrohelid heliozoan Raphidiophrys contractilis*

**30 - Ilya Udalov, Kirill Lotonin and Ekaterina Volkova**  
*New Marine Species of the GENUS Korotnevella (Amoebozoa, Dactylopodida)*

**31 - Won Je Lee**  
*Small Free-Living Heterotrophic Flagellates from Marine Intertidal Sediments of the Sydney Region, Australia*

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**POSTER**

**32 - Gordon Lax, Won Je Lee, Yana Egliit, Alastair Simpson**  
*Ploerotids represent much of the phylogenetic diversity of euglenids*

**33 - Lucie Podešová and Vyacheslav Yurchenko**  
*Suicidal Leishmania mexicana*

**34 - Sebastián Najle, Josefina Hernández, Eduard Ocaña-Pallarès, Nicolás García Siburu, Claudio Slamovits and Antonio Uttaro**  
*Transcriptional response of Tetrahymena thermophila to exogenous cholesterol*

**35 - Andrey Plotnikov, Elena Selivanova, Daria Poshvina and Yuri Khlopko**

*The structure and diversity of protist communities in the hypersaline water bodies of the Russian steppes*

**36 - Oksana Kamyshtskaya, Elena Nessonova, Natalya Bondarenko, Ludmila Chistyakova and Alexey Smirnov**  
*Molecular phylogeny of amoebae genus Polychaos (Amoebozoa, Tubulinidae).*

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**POSTER**

**37 - Carlos Alberto Durán Ramírez, Daniel Méndez Sánchez, Mireya Ramírez Ballesteros, Gerardo Cruz Jiménez, Margarita Reyes Santos and Rosaura Mayén Estrada**  
*Cyclidium glaucoma Müller, 1786 (Ciliophora: Scuticociliatia) from different habitats in Mexico: some physicochemical traits*

**38 - Carlos Alberto Durán Ramírez, Daniel Méndez Sánchez, Mireya Ramírez Ballesteros, Gerardo Cruz Jiménez, Margarita Reyes Santos and Rosaura Mayén Estrada**

*Comparing ciliate species richness in three biotopes from a Neotropical Ramsar wetland*

**39 - Pavel Safonov and Ilya Pozdnyakov**  
*Unusual tandem HCN- and Kv-like channels of oomycetes*

**40 - Crislaine Cochak, Felipe Rafael Oliveira, Bianca Ramos Meira, Carolina Leite Guimarães, Fernando Miranda Lansac-Toha, Rosilene Felizardo Souza and Luiz Felipe Machado Velho**  
*Relative Role of Biological Dispersal Vectors in the Assembly of Protist Ciliates Communities*

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**POSTER**

**41 - Bianca Ramos Meira, Fernando Miranda Lansac-Toha, Bianca Trevizan Segovia, Felipe Rafael de Oliveira, Fábio Amôdeo Lansac-Toha and Luiz Felipe Machado Velho**

*The importance of protists in the feeding dynamics of *Astyanax lacustris* (Osteichthyes, Characiformes) larvae at different stages of development*

**42 - Paweł Hałakuc, Natalia Gumińska, Anna Karnkowska and Rafał Milanowski**

*Exception within exceptions – unusual organization of rRNA genes in *Euglena longa**

**43 - Felipe Rafael Oliveira, Fernando Miranda Lansac-Toha, Bianca Ramos Meira, Bianca Trevizan Segovia, Crislaine Cochak and Luiz Felipe Machado Velho**

*Effects of the exotic rotifer *Kellicottia bostoniensis* (Rousselet, 1908) on the microbial food web components*

**44 - Ronie Haro, Renny Lee and Claudio Slamovits**

*Analysis of retrogene formation and its contribution to genome evolution in Dinoflagellates*

**45 - Clareta Bianchi, Natalya Kraeva, Alexei Kostygov, Kristína Záhonová, Eva Horáková, Julius Lukeš and Vyacheslav Yurchenko**

*A peculiar catalase in an unusual trypanosomatid lineage*

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**POSTER**

**46 - Rosaura Mayén-Estrada and Roberto Junio Pedroso Dias**  
*Species Of Zoothamniidae (Ciliophora: Peritrichia) As Symbionts Of Crustaceans*

**47 - Rosaura Mayén-Estrada, Margarita Reyes-Santos, Carlos Alberto Durán-Ramírez, Fernando Olvera-Bautista and Jorge Humberto Medina-Durán**  
*Mexican Tintinnids (Ciliophora: Tintinnida): Notes About Their Species Richness*

**48 - Irina Nekrasova, Eric Meyer and Alexey Potekhin**  
*Presumable role of RNAi in epigenetic effect of hemizygosity observed in *Paramecium tetraurelia**

**49 - Guanxiong Yan, Xiaojie Han, Wentao Yang, Kai Chen, Jie Xiong, Eduardo Orias and Wei Miao**  
*Evolution of diverse mating type genes and breeding systems of Tetrahymena*

**50 - Marina Patsyuk**  
*Naked Amoebae in Soils of Biogeocenoses of the Forest and Steppe Zone (Ukraine)*

**51 - Robin Sleith, Rabindra Thakur and Laura A. Katz**  
*Genome dynamics of benthic Foraminifera*

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**POSTER**

**52 - Yong Zhang and Xiaofeng Lin**  
*From River to Ocean: Biodiversity and Biogeography of Microbial Eukaryotes*

**53 - Yiwei Xu, Eleni Gentekaki, Jiahui Xu, Zhuo Shen and Zhenzhen Yi**  
*Transcriptome analyses of gene expression during the vegetative cell cycle of *Pseudokeronopsis erythrina* (Alveolata, Ciliophora)*

**54 - Álmos Becz**  
*Colonisation and community structure of biofilm-inhabiting protists on artificial substrates in the Ráckeve-Soroksár-Danube, Hungary with special reference to ciliates*

**55 - Natalia Lebedeva, Alexey Potekhin, Sergei Fokin, Elena Sabaneyeva and Maksim Melekhin**  
*Culture Collection of Microorganisms RC CCM (St Petersburg State University): maintaining diversity of *Paramecium* and its symbionts*

**56 - Serafim Nenarokov, Eric Salomaki and Martin Kolisko**  
*Graphical tool for manual editing and annotation of sequence sampling in phylogenetic datasets*

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**POSTER**

**57 - José Fahrni, Denis Lynn, Dmitri Sherbakov, Thorsten Stoeck, Hans-Werner Breiner and Jan Pawłowski**  
*Molecular taxonomy of the Spirochonidae (Chonotrichia, Ciliophora) of the Baikal Lake. First results.*

**58 - José Fahrni, Igor Dovgal, Gregorio Fernandez-Leborans, Thorsten Stoeck, Hans-Werner Breiner and Jan Pawłowski**  
*The Worldwide Chonos Project*

**59 - Luiggia Girardi Bastos Reis De Araujo, Pedro Henrique Campello Nunes, Marcelo Oliveira Sales, Thiago Da Silva Paiva and Inácio Domingos Da Silva-Neto**  
*Description of a new species of *Aponothymena* (Ciliophora: Hipotricha: Oxytrichidae): from a Wastewater Treatment Plant in Rio de Janeiro, Brazil*

**60 - Pedro H. Campello-Nunes, Noemí M. Fernandes, Thiago S. Paiva, Franziska Szokoli, Giulio Petroni, Carlos A. G. Soares and Inácio D. Silva-Neto**  
*18s-Rdna Based Phylogenetic Reconstruction Shows That Parablepharisma Bacteriophora Is Not A Heterotrich*

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**POSTER**

**61 - Heloísa Santos Silva, Bianca Trevizan Segovia, Fernando Miranda Lansac-Tôha, Bianca Ramos Meira, Carolina Leite Guimarães, Felipe Rafael Oliveira, Rosilene Felizardo Souza, Susicley Jati, Fábio Amodêo Lansac-Tôha and Luiz Felipe Machado Velho**  
*Structure of planktonic ciliate community in the last non-dammed stretch of the upper Paraná river floodplain*

**62 - Ingrid Sveráková, Galina Prokopchuk, Priscila Peña-Diaz, Anton Horváth and Julius Lukeš**  
*Paramylon synthesis in Diplonema papillatum*

**63 - Weiwei Liu, Xiaofeng Lin, Weibo Song**  
*Biodiversity and Distribution of Ciliates in Coastal Waters off Guangdong Province, China*

**64 - Ruanlin Wang, Yu Xiao and Aihua Liang**  
*Sequence Analysis of the Tubulin Superfamily Genes and in vivo Expression of  $\eta$ -tubulin-GFP Fusion Gene in Euplotes octocarinatus*

**65 - Jia Lv, Yangli Chai and Baofeng Chai**  
*Preliminary Analysis of Nonsense-mediated mRNA Decay Pathway in Giardia lamblia*

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**66 - Denis Tikhonenkov, Soo Hwan Jhin, Yana Egli, Kai Miller, Andrey Plotnikov, Alastair G.B. Simpson and Jong Soo Park**  
*Ecological and evolutionary patterns in the enigmatic protist genus *Percolomonas* from diverse habitats*

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**67 - Ying Wang, Lin Yao, Minglei Du, Qing Zhang and Ying Chen**  
*Molecular cloning of Actin and Sub-cellular localization of Actin in *Styloynchia lemnae**

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**68 - Daria Drachko, Yegor Shishkin and Vasily Zlatogursky**  
*Alter egos of heliozoans: the distantly related lineages of centrohelids (*Haptista: Centroplasthelida*) have similar life cycles with alternation of dramatically different morphologies*

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**69 - Yegor Shishkin, Daria Drachko and Vasily Zlatogursky**  
*Convergent scale evolution: a new lineage of centrohelid heliozoans (*Centroplasthelida*) is a third case of independent reversal to undifferentiated skeleton*

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**70 - Guilherme Ferreira and Albert Calbet**  
*Uncoupling heterotrophic and mixotrophic predation using Rotenone, a mitochondrial inhibitor*

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**71 - Juri Kim, Soon-Jung Park**  
*Role of gamma-giardin in ventral disc formation of *Giardia lamblia**

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**72 - Bianca Aline de Souza, Roberto Dias, Franciane Cedrola and Marcus Senra**  
*Species delimitation and biogeographic patterns within *Paramecium* (*Ciliophora, Oligohymenophorea*)*

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**73 - Mariia Berdieva and Vera Kalinina**  
*The Life History and Evidence for Sexual Reproduction in the Dinoflagellate *Prorocentrum minimum* in Culture*

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**74 - Man Chen and Yingchun Gong**  
*Comprehensive Examination of *Poterioochromonas Malhamensis* (*Chrysophyceae*) and Phylogenetic Analysis of Genus *Poterioochromonas**

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**75 - Yingzhi Ning, Yongqiang Yang, Tengteng Zhang, Lingyun Chen, Khaled A. S. Al-Rasheid and Zhenzhen Yi**  
*Integrative Studies on the Morphology, Morphogenesis and Molecular Phylogeny of a Soil Ciliate, *Parakaliella macrostoma* (Foissner, 1982) Berger et al., 1985 (*Ciliophora, Hypotrichia*)*

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## POSTER SESSION 2

### THURSDAY 01 AUGUST

#### POSTER

**76 - Weibo Zheng, Xiao Chen, Chundi Wang, Yalan Sheng, Feng Gao and Weibo Song**  
*Progresses of an On-Going Genome/Transcriptome Project by OUC-Lab: Focusing on Free-Living Ciliated Protozoa*

**77 - Cristiane Da Silva, Carlos Dutok and Julio Cesar Escalona-Arranz**  
*In vitro activity of natural compound upon Trypanosoma cruzi, a neglected parasite*

**78 - Hunter Hines, Peter McCarthy and Genoveva Esteban**  
*New records of flagship ciliates discovered in soil from Florida, USA*

**79 - Milena Königshofen, Frédéric Mahé and Micah Dunthorn**  
*Fidgeting with Swarm's fastidious option*

**80 - Barbara Mikac, Federica Semprucci, Massimo Ponti, Marco Abbiati and Igor Dovgal**  
*Newly observed association from the Northern Adriatic Sea: epizoic ciliates and scaled polychaete worms*

**81 - Euki Yazaki, Tadaaki Uehara, Hirokazu Sakamoto, Tetsuo Hashimoto, Noboru Mizushima and Yuji Inagaki**  
*Evolutionarily distinct gene-sets for autophagosome formation in dinoflagellates harboring endosymbiotic diatoms.*

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#### POSTER

**82 - Michael Gruber and Sabine Agatha**  
*Unique Kinetid Ultrastructure in the Tintinnid Ciliate Schmidingerella menieri and its Phylogenetic Implications*

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**83 - Silvio Paone, Mudit Chaand, Sarah D'Alessandro, Silvia Parapini, Francesco Celani, Manoochehr Pourshaband, Valentina Tirelli, Marta Ponzi, Manoj T. Duraisingh and Anna Olivieri**  
*The human GTPase Rac1 plays an important role in Plasmodium falciparum invasion and growth inside human erythrocytes*

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**84 - Patricia de Francisco, Ana Martin-Gonzalez and Juan-Carlos Gutierrez**

*The proteome of a Pb-adapted Tetrahymena thermophila strain reveals the cellular strategy to Pb(II) stress and its biomimetalization to chloropyromorphite.*

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**85 - Ivan Romero, Patricia de Francisco, Juan-Carlos Gutierrez and Ana Martin-Gonzalez**  
*Selenium cytotoxicity in Tetrahymena thermophila: peroxides generation, mitochondrial alterations and antioxidant response genes*

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**86 - Yulia Yakovleva, Elena Nassanova, Natalia Lebedeva, Olivia Lanzoni, Giulio Petroni, Alexey Potekhin and Elena Sabaneyeva**  
*Microsporidian Parasites of Paramecium*

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#### POSTER

**87 - Alexander Balkin, Natalya Gogoleva, Andrey Plotnikov and Sergey Cherkasov**  
*Acanthamoeba castellanii as a model to evaluate gene expression of engulfed bacteria*

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**88 - Karla María Morales-Zamora; Francisco Eduardo Sánchez-Hidalgo; María Elena Valeriano-Riveros; Dalila Fragoso-Tejas; Luz María Lazcano-Arriola**

*Protists as indicators of water quality in the Pancho Poza river in Altotonga, Veracruz, Mexico*

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**89 - Franciane Cedrola, Marcus Vinicius Xavier Senra, Isabel Martinele, Marta D'Agosto and Roberto Junio Pedroso Dias**  
*Is Elytroplaston synonym of Polyplastron (Ciliophora, Entodiniomorphida, Ophryoscolecidae)?*

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**90 - Avelina Espinosa, Guillermo Paz-Y-Miño-C, Yoly Santos, Hang Ma, Navindra Seeram and David Rowley**  
*Anti-amebic Properties of Plant Extracts and their Derivatives*

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**91 - Motomichi Matuzaki, Fumiya Kawahara, Junpei Fukumoto, Hisako Kyan, Tatsunori Masatani, Tomohide Matsuo, Mami Murakami, Yasuhiro Takashima, Yoshifumi Nishikawa and Kisaburo Nagamune**  
*A genome-wide SNP analysis reveals the migration history of Japanese Toxoplasma populations*

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#### POSTER

**92 - Hiroki Takenaka, Toshinobu Suzaki and Madoka Kitakawa**  
*A possible novel function of symbiotic algae in the green hydra, *Hydra viridissima**

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**93 - Carolina Chiellini, Chiara Pasqualetti, Olivia Lanzoni, Camilla Fagorzi, Franco Verni, Chiara Bazzocchi, Renato Fani, Giulio Petroni and Letizia Modeo**  
*Environmental bacterial strain *Rheinheimera* sp. EPRS3 (*Gamma-proteobacteria*) has a harmful effect against the ciliate *Euploites aediculatus* (*Spirotrichea, Euplotida*)*

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**94 - Gözde Gürelli, Eugene Thomas Lyons and Fevziye İşil Kesibiç**  
*Hindgut Ciliate Fauna of Thorougbred Mares in Kentucky, USA and Binary Fission in *Polymorphella ampulla**

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**95 - Gözde Gürelli and Nuray Yürütüoğlu**  
*Ruminal Ciliate Diversity of Domestic Cattle in Antalya, Turkey and Infraciliary Band Pattern of *Entodinium rostratum* (*Entodiniomorphida, Ophryoscolecidae*)*

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**96 - Gözde Gürelli**  
*Three New Parentodinium (*Ciliophora, Entodiniomorphida*) Species from Indian Rhinoceroses in Turkey*

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**POSTER**

**97 - Gözde Gürelli and Ali Fouze Othman Elhadi Daw**  
*Endosymbiotic Ciliated Protozoan Biota of Dromedary Camels and Domestic Cattle in Tunisia*

**98 - Mariana Rossi and Roberto Dias**  
*Molecular diversity of symbionts ciliates from mammals herbivorous using computational species delimitation methods*

**99 - Christian Spanner, Bettina Sonntag, Thomas Pröschold and Tatyana Darienko**  
*Diagnostic PCR for the identification of endosymbiotic green algae in *Paramecium bursaria* (Ciliophora, Oligohymenophorea)*

**100 - Sabrina Geraci-Yee, Jackie Collier and Bassem Allam**  
*The Ecology of an Opportunistic Marine Pathogen, Quahog Parasite Unknown (QPX)*

**101 - A-Jeong Ham, Hae-Jin Sohn, Ga-Eun Seo, Jae-Ho Lee, Young-Hwan Oh, Heekyoung Kang and Ho-Joon Shin**  
*Acanthamoeba castellanii trophozoites and cysts induce the different cytotoxicity and cytokines response in human corneal epithelial cells*

**102 - Kyeong Ah Seong, Yeong Du Yoo, Wonho Yih, Jung-Rae Rho**  
*Interactions between marine bacteria and harmful algal species in Korean waters*

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**POSTER**

**103 - Yukika Ishizawa, Rina Higuchi, Chihong Song and Toshinobu Suzuki**  
*Molecular and structural basis of *Paramecium-Chlorella* endosymbiosis*

**104 - Zeynep Kurt, Alejandro Jiménez-González, Feifei Xu, Courtney W. Stairs, Michal Stoklasa, Jan Tachezy and Jan O. Andersson**  
*The genome of the secondary free-living diplomonads *Hexamita inflata**

**105 - Olivia Dufour, Ketty Munyenjembe, Laura A Katz and Agnes Weiner**  
*Arcellinida Community Diversity Across Time and Space in New England Bogs*

**106 - Anastasia Shatilovich and Alexander Mylnikov**  
*Environmental Selection of Protist Communities In Arctic Soil Profiles*

**107 - Haeseung Lee, Byeong Yeal Jung, Seung-Hun Lee, Min-Goo Seo, Kwang-Ho Choi, Mi-Hye Hwang and Dongmi Kwak**  
*Multilocus sequence typing for *Giardia duodenalis* detected from pigs in Korea*

**108 - Haeseung Lee, Min-Goo Seo, Oh-Deog Kwon and Dongmi Kwak**  
*Infection proportion and genotyping for *Blastocystis* from wild boars in Korea*

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**POSTER**

**109 - Priscila Fregulia, Franciane Cedrola, Roberto Júnio Pedroso Dias, Marcus Vinícius Xavier Senra and Marta D'Agosto**

*Molecular Data Suggests Reformulation in the Systematics of the Family Cyclopodiidae Poche, 1913 (Ciliophora, Trichostomatia, Entodiniomorphida)*

**110 - Hirokazu Sakamoto, Kiyoshi Kita, Motomichi Matsuzaki**  
*Drug Selection System for Genes Harboring Organelle Targeting Sequence in *Perkinsus marinus**

**111 - Fyodor Voytinsky, Gabriella Volkova, Ekaterina Volkova and Alexander Kudryavstev**

*Salinity tolerance of various marine amoebae of the order Dactylopodida (Amoebozoa)*

**112 - Michał Karlicki, Soňa Lukešová, Lucia Hadariová, Jana Szabová, Vladimír Hampl and Anna Karnowska**

*Looking for a needle in a haystack - searching for plastids in the environmental DNA*

**113 - Andrey Plotnikov, Daria Poshvina and Yuri Khlopko**

*Assessment in vitro of 18S primers for high throughput sequencing of the protist communities in inland saline water bodies*

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**POSTER**

**114 - Raphael Morard, Christiane Schmidt, Paul Debray, Javier del Campo, Franck Lejzerowicz, Yoann Dufresne, Jan Pawłowski and Michal Kucera**

*Stress-induced modifications of the eukaryotic microbiome of the foraminifera species *Amphistegina lobifera* and *Pararotalia calcariformata*.*

**115 -Jung-Rae Rho, Yeong Kwang Ji, Hyung Seop Kim and Mi Ryoung Oh**

*Analysis of PUFA and Glycolipids in *Symbiodinium voratum* and comparison of their contents on the growth stages*

**116 - Elena Selivanova, Yuri Khlopko and Andrey Plotnikov**

*An influence of protists on a structure of the halophilic prokaryotic community*

**117 - Katerina Polakova, Johana Rotterova, William Bourland, Tomas Panek and Ivan Cepicka**  
*Revealing the Diversity of Anaerobic Scuticociliates Hosting Symbiotic Prokaryotes*

**118 - Fabian van Beveren, Purificación López-García, Laura Eme and David Moreira**

*The evolution of red algal plastids and the rise of red secondary plastids*

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THURSDAY 01 AUGUST

**POSTER**

**119 - Daniela Rojas Sánchez, Eduardo Santamaría del Ángel and Mary Luz Cañón Páez**  
*Tintinnids as indicators of surface water masses*

**120 - Felipe Rafael de Oliveira, Pablo Augusto Poletto Antiqueira, Felipe Rezende Fernandes de Oliveira, Bianca Ramos Meira, Gustavo Quevedo Romero and Luiz Felipe Machado Velho**  
*Warming, top predator loss and habitat heterogeneity impacts on community structure components of the freshwater microfauna*

**121 - Susicley Jati, Yasmin Rodrigues de souza, Matheus Vieira da silva, Alfonso Pineda and Luiz Felipe Machado Velho**  
*Temporal variation of Euglenophyceae in response to the oligotrophication process of a river stretch downstream a neotropical reservoir*

**122 - Ximena Sánchez-Medina and Miroslav Macek**  
*Spirostomum teres as a model of cyanobacterial acquisition in anoxic environments: A step from predation to symbiosis*

**123 - Robert Jones and Matthew Brown**  
*Search for Medical Relevance in Acanthamoebidae through Comparative Genomic Analysis*

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**124 - Julien Richirt, Stéphane Champmartin, Magali Schweizer, Aurélia Mouret, Jassin Petersen, Abdelhak Ambari and Frans Jorissen**  
*Scaling laws explain pore patterns in Foraminifera (Rhizaria)*

**125 - Arzuv Charyyeva, Anzhelika Butenko, Ignacio Durante, Michaela Svobodová, Hassan Hashimi, Julius Lukeš and Vyacheslav Yurchenko**  
*Leishmania oxygen-sensing adenylylate cyclase (OSAC).*

**126 - Jonathon Hileman and Gillian Gile**  
*Mycoplasma in termite symbiotic protists*

**127 - Stephen Taerum and Gillian Gile**  
*Molecular systematics and taxonomy of Spirotrichonymphaea*

**128 -Denise da Gama Jaén Batista, Marcos Meuser Batista, David W. Boykin and Maria De Nazaré Correia Soeiro**  
*Study of the Biological Activity of Heterocyclic Compounds on Trypanosoma cruzi in vitro*

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**129 - Harpreet Kaur, Shash Prasad, Laxmi Narula, Surinder Kaur, Rup Lal, Ram Krishan Negi and Komal Kamra**  
*Ciliated protists as bio-indicators to assess the water quality of River Yamuna flowing through union territory Delhi, India*

**130 - Shashi Prasad, Harpreet Kaur, Alan Warren and Komal Kamra**  
*Diversity of ciliated protists from the Uttarakhand, India*

**131 -Sarah Itoiz, Clara Mouronvalle, Morgan Perennou, Nelly Le Goïc, Adeline Bidault, Evelyne Derelle, Xavier De Montaudouin, Philippe Soudant and Aurélie Chambouvet**

*Genetic diversity, abundance and distribution of two emerging pathogens, Perkinsus olseni and Perkinsus chesapeaki, from individual host to local scale (Arcachon bay, France)*

**132 - Takuro Nakayama, Mami Nomura, Yoshihito Takano Kogiku Shiba, Kazuo Inaba, Goro Tanifuji, Yuji Inagaki and Masakado Kawata**

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**133 - Agnieszka Pełesz, Monika Wiśniewska, Eric Salomaki, Petr Táborský, Ivan Čepicka and Martin Kolísko**  
*Genome of putatively secondarily free-living diplomonad *Trimitus sp. IT1**

**134 - Mariia Berdieva, Vera Kalinina, Ilya Pozdnyakov, Sofia Pechkovskaya and Olga Matantseva**  
*Stressor-Induced Ecdysis in the Dinoflagellate *Prorocentrum minimum**

**135 - Mayumi Sugiura, Hajime Julie Yuasa and Terue Harumoto**  
*IDO enzyme involved in the biosynthesis of mating pheromone (*Gamone*) in the ciliate *Blepharisma**

**136 - Billie Cullison, Robin Sleith, Agnes K.M. Weiner and Laura A. Katz**  
*Pilferer or Pal: The relationship between *Hyalosphenia papilio* and its algal "symbiont"*

**137 - Sunju Kim, Hyojeong Seo and Myung Gil Park**  
*18S ribosomal DNA metabarcoding revealed predominance of parasitic protists in a highly dynamic coastal system off Korea*

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**138 - L. Felipe Benites, Nigel Grimsley, Sophie Sanchez-Brosseau and Gwenael Piganeau**  
*Single Cell Ecogenomics of Mamiellophyceae picoplanktonic algae*

**139 - Natalia Gumińska, Maja Łukomska-Kowalczyk, Rafał Milanowski and Bożena Zakryś**  
*Assessment of V2 18S rDNA as a DNA barcode for phototrophic euglenids*

**140 - Wanying Liao, Letizia Modeo, Leandro Gammuto, Gualtiero Mori, Wilhelm Foissner and Giulio Petroni**  
*Industrial wastewater treatment plants (WWTPs): hot spots for the description of new ciliate species. A case study from Tuscany (Italy)*

**141 - Elen Juliana de oliveira Furtado, Franciane Cedrola, Marcus Vinicius Xavier Senra, Roberto Marchesini, Victor Manuel Romero-Niembro and roberto JúnioPedroso Dias**  
*Morphology and 18S-rDNA Phylogeny of Trichodina diaptomi (Ciliophora, Mobilida) from Calanoid Copepods in Brazil, with Notes on Evolution and Specificity*

**142 - Maksim Melekhin, Daria Korsun and Alexey Potekhin**  
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**143 - Nicole Lee, Winiffer Conce and Lydia Bright**  
*Investigating Paramecium caudatum susceptibility to Holospora undulata*

**144 - Lyubov Shmakova and Stas Malavin**  
*Amoeboid flagellates of the genus Phalansterium from modern and ancient Arctic soils*

**145 - Songbao Zou, Qianqian Zhang and Jun Gong**  
*Comparative transcriptomics reveal differentiated gene expression of Tetrahymena in response to different food sources*

**146 - Júlia Katalin Török**  
*The Danube river bed (NW Hungary) is home for new and rare Corythionella species (Cercozoa, Cyphoderidae)*

**147 - Ryo Hoshina, Toshinabu Suzuki, Terue Harumoto and Yuuji Tsukii**  
*Stentor pyriformis which was loved by late Dr. Tsukii*

**148 - Jinxian Liu, Baofeng Chai, Zhengming Luo**  
*Diversity patterns and adaptation mechanisms of protozoan communities in subalpine lakes*

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**149 - Angela Piersanti, Patrizia Ballarini, Sandra Pucciarelli, Matteo Mozzicafreddo and Cristina Miceli**  
*Response to increase in salinity in a tropical Euplates species*

**150 - Nathally Oliveira, Jéssica Cavaleiro, Noemi Fernandes, Inácio Silva-Neto, Giulio Petroni, Claudio Ortenzi, Federico Buonanno and Carlos Soares**  
*Photo-Activated Antibiotic Activity of Pigments from Blepharisma sinuosum (Ciliophora, Heterotrichaea)*

**151 - Shinichiro Maruyama, Takuro Nakayama, Chihiro Kinoshita, Takuya Fukuoka, Tomoko Hamabata, Yuu Ishii, Katsufumi Sato and Masakado Kawata**  
*Diversity of protists in a micro-ecosystem on the sea turtle shell*

**152 - Miguel Frada, Shai Fainsod and Omer Murik**  
*Life cycle complexities of the bloom-forming coccolithophore Emiliania huxleyi during interplay with specific viruses*

**153 - Rafał Krela and Krzysztof Leśniewicz**  
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**154 - Gabrielle Corso and Daniel Gage**  
*A Preferential Feeding Assay Designed to Quickly Discern Protist Predation Rates and Prey Selectivity*

**155 - Shahira Ahmed, Heba El-Mahallawy, Samar Mohamed, Panagiotis Karanis and Cristina Angelici**  
*Genotyping of Blastocystis isolates from Egypt and correlation to clinical and transmission risks factors*

**156 - Juan M. Madroñal, Tomás Albi, José R. Pérez-Castiñeira, Aurelio Serrano**  
*Unusual Characteristics of Inorganic Pyrophosphatases of Marine Microalgae: Structural Complexity, Functional Diversity and Evolutionary Relationships*

**157 - Mingyang Ma, Chaojun Wei, Hongxia Wang, Yingchun Gong, Qiang Hu**  
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