



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY
23-27 July 2007
St. Petersburg, Russia



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SCIENTIFIC PROGRAM

Sunday, 22 July	
Arrival of the congress participants. Bus transfers from the International airport Pulkovo II to the hotels.	
Monday, 23 July	
<u>PLENARY SESSION</u>	
<i>Assembly Hall of St. Petersburg State University, Universitetskaya Emb., 7/9, 1st floor</i> <i>Chair: Sergei O. Skarlato</i>	
9:00 – 11:30	<i>Registration, Coffee break</i>
11:30 – 12:00	Welcome addresses to the congress participants
12:00 – 12:40	Plenary lecture I: Vladimir V. Malakhov (Moscow, Russia) EARLY BIOSPHERIC EVOLUTION, THE ORIGIN OF EUKARYOTA, AND FUTURE PERSPECTIVES OF LIFE ON THE EARTH
12:40 – 14:00	<i>Lunch</i>
14:00 – 14:40	Plenary lecture II: Barry S. C. Leadbeater (Birmingham, UK) HOW CHOANOFLAGELLATES CONQUERED THE WORLD: A SYNTHESIS BASED ON MORPHOLOGY, ECOLOGY AND EVOLUTION
14:40 – 15:20	Plenary lecture III: Jan Pawlowski (Geneva, Switzerland) THE TWILIGHT OF SARCODINA
15:20 – 15:50	<i>Coffee break</i>
15:50 – 16:30	Plenary lecture IV: Christian P. Vivarès (Clermont-Ferrand, France) MICROSPORIDIA IN GENOMICS AND POSTGENOMICS AGE
16:45	Photograph of the congress participants <i>(Stairs of the former Stock Exchange building – the Central Naval Museum)</i>
18:00 – 20:30	<i>Ice-breaking party: Birzhevaya Liniya, 6 (Ploshchad' Sakharova), restaurant, 1st floor</i>

**Tuesday, 24 July****Session 1: "Taxonomy, phylogeny and evolution of protists" (oral presentations)***Assembly Hall of St. Petersburg State University, main building, Universitetskaya Emb., 7/9, 1st floor*Chair: Tom Cavalier-Smith, Local Coordinator: Sergey A. Karpov

9:30 – 9:50	Phylogeny and evolution of selected taxa <u>K.J. Carpenter</u> , P.J. Keeling (Canada). MORPHOLOGICAL EVOLUTION, SYMBIOSIS, AND PHYLOGENY OF PARABASALIDS AND OXYMONADS: NEW INSIGHTS FROM THE GUT PROTIST COMMUNITY OF THE WOOD-FEEDING COCKROACH <i>CRYPTOCERCUS PUNCTULATUS</i> .
9:50 – 10:05	<u>A.-M. Fiore-Donno</u> , J. Pawlowski, S. Baldauf, T. Cavalier-Smith (UK, Switzerland). EVOLUTIONARY PATHWAYS IN FRUITING AMOEBAE (MYCETOZOA).
10:05 – 10:20	<u>G.G. Paskerova</u> (Russia). EVOLUTIONARY TRENDS OF THE LOWER GREGARINES: ULTRASTRUCTURAL AND BIOLOGICAL DATA.
10:20 – 10:35	<u>A.V. Smirnov</u> , E.S. Nasonova, E. Chao, T. Cavalier-Smith (Russia, UK). PHYLOGENY OF VANNELLID AMOEBAE – SSU HETEROGENEITY IN CLONAL CULTURES AND THE PROBLEM OF "MOLECULAR ECOLOGY" OF GYMNAMOEBAE.
10:35 – 10:50	<u>V.I. Mikhalevich</u> (Russia). MAIN EVOLUTIONARY TRENDS IN THE FORAMINIFERAL TEST AND TEST WALL DEVELOPMENT.
10:50 – 11:15	<i>Coffee break</i>
11:15 – 11:35	General evolutionary trends <u>C. Berney</u> , T. Cavalier-Smith (UK). MYOSIN II AND THE EVOLUTION OF UNIKONTS.
11:35 – 11:50	<u>S.O. Skarlato</u> (Russia). ORIGIN OF CHROMOSOMES IN PROTISTS.
11:50 – 12:05	<u>O. Coppellotti</u> , A.R. Schmidt, E. Ragazzi, L. Guidolin, G. Roghi (Italy). PROTISTAN MICROFOSSILS IN TRIASSIC AMBER FROM THE DOLOMITES (ITALY).
12:05 – 12:20	<u>M. Schweizer</u> , H.R. Thierstein (Switzerland). TO WHAT EXTENT IS THE DICHOTOMY BETWEEN DYNAMIC PELAGIC AND STABLE BENTHIC OCEANIC ENVIRONMENTS REFLECTED IN THE SPECIES RICHNESS AND LONGEVITY OF DOMINANT FOSSILIZABLE PROTISTS?
12:20 – 12:35	<u>D. Lloyd</u> , M. Aon, D.B. Murray, S. Cortassa (UK, USA, Japan). EVOLUTION OF EUKARYOTIC LIFE: OSCILLATIONS, RYTHMS AND CLOCKS ARE A NECESSITY.
12:35 – 12:55	Discussion
13:00 – 14:30	<i>Lunch</i>
14:30 – 14:50	Ciliate Biology and Phylogeny <u>D.H. Lynn</u> , T. Stoeck, W. Foissner (Canada, Germany, Austria). PHYLOGENETIC POSITION OF THE ODONTOSTOMATIDS INFERRED FROM THE SMALL SUBUNIT rRNA GENE SEQUENCE OF <i>EPALXELLA ANTIQUORUM</i> PENARD, 1922 (PHYLUM CILIOPHORA; ORDER ODONTOSTOMATIDA).
14:50 – 15:05	<u>I. Andreoli</u> , S.I. Fokin, F. Verni, G. Petroni (Italy). PHYLOGENETIC RELATIONSHIPS WITHIN PENICULINE CILIATES AND THE PARAPHYLY OF <i>FRONTONIA</i> .
15:05 – 15:20	<u>S. Agatha</u> , W. Foissner (Austria). CONJUGATION IN <i>HALTERIA GRANDINELLA</i> : THE MYSTERY OF ITS GENEALOGY PERSISTS.
15:20 – 15:35	<u>I.V. Dovgal</u> (Ukraine). PROBLEMS OF IDENTIFICATION OF PILISUCTORID



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY



23-27 July 2007
St. Petersburg, Russia

	CILIATES (APOSTOMATEA, PILISUCTORIDA).
15:35 – 15:55	<i>Coffee break</i>
15:55 – 16:10	<u>A.A. Potekhin</u> , I.V. Nekrasova, I.I. Skoblo, T. Berendonk, M.S. Rautian (Russia, Germany). SIBLING SPECIES CONCEPT IN CILIATES <i>PARAMECIUM</i> REVISITED: ZOOGEOGRAPHIC AND GENOMIC ASPECTS OF SYNGEN BIOLOGY.
16:10 – 16:25	<u>A. Sacca</u> , M. Strueder-Kypke, D.H. Lynn (Italy, Canada). MORPHOLOGY, INFRACILIATURE AND PHYLOGENETIC ANALYSIS OF A NEW TINTINNID CILIATE (CILIOPHORA, CHOREOTRICHIA) FROM THE COASTAL LAKE FARO (SICILY, ITALY).
16:25 – 16:40	<u>S. Shimano</u> , W. Foissner, Y. Kusuoka (Japan, Austria). MORPHOLOGY AND GENE SEQUENCE OF AN ENDEMIC, NEW COLEPID (PROTOZOA, CILIOPHORA) FROM THE ANCIENT LAKE BIWA, JAPAN.
16:40 – 16:55	<u>Y. Fukuda</u> , H. Endon (Japan). LIFE CYCLE AND PHYLOGENETIC POSITION OF NOCTILUCID DINOFLAGELLATE (<i>NOCTILUCA SCINTILLANS</i>).
16:55 – 17:10	<u>W. Song</u> (China). DOES KIITRICHIA (CILIOPHORA, SPIROTRICHEA) BELONG TO EUPLOTIDA OR REPRESENT A PRIMORDIAL SPIROTRICHOUS TAXON?
17:30 – 18:45	<i>Dinner</i>
19:00 – 21:00	<i>Boat trip: Neva River</i>

Tuesday, 24 July

Session 2: "Biodiversity, biogeography and ecology of aquatic and soil protists" (oral presentations)

Zoological Institute RAS, Universitetskaya Emb., 1: Conference Hall
Chair: Oleg N. Pugachev, Local Coordinator: Irena V. Telesh

9:30 – 9:55	<u>W. Foissner</u> , A. Chao (Austria, Taiwan). DIVERSITY AND GEOGRAPHIC DISTRIBUTION OF SOIL PROTOZOA.
9:55 – 10:15	<u>T. Weisse</u> , U. Scheffel, P. Stadler (Austria). SIGNIFICANCE OF pH AS ENVIRONMENTAL FACTOR LIMITING THE DISTRIBUTION OF FRESHWATER PROTISTS.
10:15 – 10:35	<u>A.G. Desnitskiy</u> (Russia). EVOLUTION OF DEVELOPMENT, PHOTOBIOLOGY AND BIOGEOGRAPHY OF <i>VOLVOX</i> .
10:35 – 10:55	<u>P.J. Lavrentyev</u> , R.J. Duff, K.M. Moats, F.J. Jochem (USA). LIVING IN THE DEAD ZONE: MICROZOOPLANKTON COMMUNITIES DURING SEASONAL HYPOXIA IN LAKE ERIE AND THE GULF OF MEXICO.
10:55 – 11:15	<i>Coffee break</i>
11:15 – 11:35	<u>I.Kh. Alekperov</u> (Azerbaijan). FAUNA OF FREE-LIVING CILIATES IN AZERBAIJAN: MODERN STUDIES AND PERSPECTIVES.
11:35 – 11:55	<u>M. Macek</u> , D. Pestova, M.E. Martinez-Perez (Mexico, Czech Republik). MICROAEROPHILIC AND ANOXIC CILIATES DOMINATE A WARM-MONOMIC TIC HYPOSALINE LAKE.
11:55 – 12:15	<u>Yu.A. Mazei</u> (Russia). PATTERNS OF PROTOZOAN COMMUNITY STRUCTURE: LINKING PROCESSES AND SCALES.
12:15 – 12:35	<u>M.S. Adl</u> (Canada). ABUNDANCE DYNAMICS AND SPECIES SUCCESSION IN SOIL PROTISTS.
12:35 – 12:55	<u>L.A. Obolkina</u> , N.V. Potapskaya (Russia). DIVERSITY OF FREE-LIVING BAIKALIAN



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY



23-27 July 2007
St. Petersburg, Russia

	CILIATES WITH SOME ECOLOGICAL COMMENTS.
13:00 – 14:30	Lunch
14:30 – 14:50	<u>A.I. Azovsky</u> , Yu.A. Mazei (Russia). MACROECOLOGICAL PATTERNS IN DIVERSITY OF MARINE BENTHIC CILIATES.
14:50 – 15:10	<u>A. Warren</u> , D. Ji, P. Sun, W. Song (UK, China). MORPHOLOGY AND DIVERSITY OF MARINE FREE-LIVING PERITRICH CILIATES.
15:10 – 15:30	<u>B. Sonntag</u> , M. Summerer, B. Steurer, R. Sommaruga (Austria). CILIATE DIVERSITY, ADAPTATIONS, AND NICHE OCCUPATION IN TWO CONTRASTING LAKES LOCATED AT DIFFERENT ALTITUDES.
15:30 – 15:50	<u>A. Tsyganov</u> , Y. Mazei (Russia). PATTERNS OF SPATIAL AND TEMPORAL VARIABILITY OF TESTATE AMOEBAE COMMUNITY IN SPHAGNUM BOG.
15:50 – 16:10	Coffee break
16:10 – 16:30	<u>V.A. Zolotarev</u> (Russia). THE ROLE OF PROTOZOANS IN PERIPHYTON COMMUNITIES.
16:30 – 16:50	<u>I.V. Telesh</u> (Russia). MICROZOOPLANKTON DIVERSITY IN THE BALTIC COASTAL WATERS.
16:50 – 17:20	Discussion
17:30 – 18:45	Dinner
19:00 – 21:00	Boat trip: Neva River

Tuesday, 24 July

Session 4: “Molecular biology, genetics and genomics of protists” (oral presentations)

St. Petersburg State University, main building, Universitetskaya Emb., 7/9, 2nd floor: lecture room 140
Chair: Christian Vivarès, Local Coordinators: Elena Nassonova, Alexey Smirnov

9:30 – 9:55	Molecular and Biochemical Protistology <u>M. Muller</u> (USA). THE DIVERSITY OF MITOCHONDRION-RELATED PROTIST ORGANELLES.
9:55 – 10:15	<u>J.S. Keithly</u> , V. Ctrnacta, F. Stejskal, C.A. Mannella (USA). NOVEL COMPARTMENTALIZATION OF PYRUVATE: NADP+ OXIDOREDUCTASE IN SPOOROZOITES OF <i>CRYPTOSPORIDIUM PARVUM</i> .
10:15 – 10:40	K.M. Harris, B. Goldberg, M. van der Giezen, G. Biagini, <u>D. Lloyd</u> (UK). <i>TRICHOMONAS VAGINALIS</i> AND <i>GIARDIA INTESTINALIS</i> PRODUCE NITRIC OXIDE: DOES NITROSYLATION INDUCE CARBOHYDRATE METABOLISM?
10:40 – 11:00	<u>C. Millet</u> , J. Cable, D. Lloyd (UK). H ₂ PRODUCTION IN THE FISH PARASITE <i>SPIRONUCLEUS VORTENS</i> .
11:00 – 11:15	Coffee break
11:15 – 11:40	Genome Organization and Dynamics C.H. Slamovits, <u>P.J. Keeling</u> (Canada). MOLECULAR EVOLUTION OF CHLORARACHNIOPHYTE NUCLEOMORPHS.
11:40 – 12:00	<u>E.A. Nash</u> , A.C. Barbrook, R.K. Edwards-Stuart, K. Bernhardt, C.J. Howe, R.E.R. Nisbet (UK). ORGANISATION AND EXPRESSION OF THE DINOFLAGELLATE MITOCHONDRIAL GENOME.



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY



23-27 July 2007
St. Petersburg, Russia

12:00 – 12:20	P.N. Flegontov, E.S. Gerasimov, E.N. Zhirenkina, E.N. Ponirovsky, M.V. Strelkova, <u>A.A. Kolesnikov</u> (Russia). THE KINETOPLAST GENOME OF <i>LEISHMANIA MAJOR</i> CONTAINS SEVERAL MAXICIRCLE CLASSES UNDERGOING DIFFERENTIAL AMPLIFICATION AT THE AMASTIGOTE STAGE.
12:20 – 12:45	<u>J.H.P. Hackstein</u> (The Netherlands). CIMES: CILIATES AS MONITORS FOR LATERAL GENE TRANSFER.
12:45 – 13:00	H. Awata, T. Noto, <u>H. Endoh</u> (Japan). GENOME PLASTICITY IN THE DICYEMID MESOZOANS.
13:00 – 14:30	<i>Lunch</i>
14:30 – 14:55	Molecular Biology of Ciliates <u>E. Wyroba</u> , J. Wiejak, M. Osinska, H. Bilski, K. Krawczyk, E. Wypych (Poland). ENDOCYTIC ROUTES IN <i>PARAMECIUM</i> : CONSERVATIVE ELEMENTS.
14:55 – 15:15	A. Vallesi, N. Dobri, <u>P. Luporini</u> (Italy). PROTECTION FROM OXIDATIVE STRESS BY METHIONINE SULFOXIDE REDUCTASES IN <i>EUPLOTES</i> .
15:15 – 15:40	T. Kloeppe, H.J. Schmidt, <u>M.C. Simon</u> (Germany). PHOSPHATIDYL-INOSITOL SPECIFIC PHOSPHOLIPASES OF <i>PARAMECIUM TETRAURELIA</i> INVOLVED IN ANTIGENIC VARIATION
15:40 – 16:00	<i>Coffee break</i>
16:00 – 16:20	<u>L. Kisselev</u> , S. Lekomtsev, P. Kolosov, L. Bidou, L. Frolova, J.-P. Rousset (Russia, France). DIFFERENT MODES OF STOP CODON RESTRICTION BY THE <i>STYLONYCHIA</i> AND <i>PARAMECIUM</i> ERF1 TRANSLATION TERMINATION FACTORS.
16:20 – 16:40	<u>N. Oparina</u> , Yu. Mazur, L. Kisselev (Russia). BIOINFORMATIC ANALYSIS OF VARIANT GENETIC CODES IN DIFFERENT PHYLOGENETIC GROUPS OF CILIATES.
16:40 – 17:00	<u>A. Pimenov</u> , I. Skovorodkin, I. Raykhel, B. Schimanski, D. Ammermann, A. Gunzl (Russia, USA, Germany). COMPONENTS OF ALPHA-TUBULIN MINICHROMOSOME PROMOTERS IN THE STICHOTRICHOUS CILIATE <i>STYLONYCHIA LEMNAE</i> INVOLVED IN TRANSCRIPTION REGULATION.
17:00 – 17:20	Discussion
17:30 – 18:45	<i>Dinner</i>
19:00 – 21:00	<i>Boat trip: Neva River</i>

Wednesday, 25 July

Session 2: "Biodiversity, biogeography and ecology of aquatic and soil protists"
(oral presentations)

Zoological Institute RAS, Universitetskaya Emb., 1: Conference Hall
Chair: Sergei O. Skarlato, Local Coordinator: Irena V. Telesh

9:30 – 9:50	<u>A.K. Kiss</u> , J.K. Torok, K.T. Kiss, E. Acs (Hungary). PROTOZOAN COMMUNITY IN PLANKTON OF RIVER DANUBE: TEMPORAL DYNAMICS, TROPHIC INTERACTIONS AND ROLE IN MICROBIAL FOOD WEB.
9:50 – 10:10	A.O. Plotnikov, <u>E.A. Selivanova</u> , N.V. Nemtseva, J.D. Silberman (Russia, USA). BIODIVERSITY AND ECOLOGY OF PLANKTONIC HETEROTROPHIC FLAGELLATES IN SALINE LAKES.



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY



23-27 July 2007
St. Petersburg, Russia

10:10 – 10:30	<u>D.V. Tikhonenkov</u> , Yu.A. Mazei (Russia). STRUCTURE OF FREE-LIVING HETEROTROPHIC FLAGELLATE COMMUNITIES IN DIFFERENT TYPES OF FRESHWATER AND MARINE ECOSYSTEMS.
10:30 – 10:50	<u>R. Marino-Perez</u> , R. Mayen-Estrada (Mexico). TWO SPECIES OF EPIBIONT CILIATES (SUCTORIA) ON <i>HESPEROCORIXA</i> SP. (HEMIPTERA: CORIXIDAE) FROM A POND IN HIDALGO, MEXICO.
10:50 – 11:10	<i>Coffee break</i>
11:10 – 11:30	A. Claudio, P. Bill, P. William, K. Wüthrich and <u>P. Luporini</u> (Italy, USA). MOLECULAR COLD-ADAPTATION OF AN ANTARCTIC CILIATE.
11:30 – 11:50	<u>F. Dini</u> , G. Di Giuseppe (Italy). BIPOLAR DISTRIBUTION OF PROTISTAN SPECIES IS NOT A ROSE.
11:50 – 12:10	<u>S. Zheng</u> (China). TINY GIANTS OF THE GREAT SEAS: FORAMINIFERA.
12:10 – 12:30	<u>S.V. Kreneva</u> (Russia). RAPID INCREASING OF CILIATES ROLE IN HYDROECOLOGY.
12:30 – 12:50	Discussion
13:00 – 14:30	<i>Lunch</i>
14:30 – 15:30	Visit to the Zoological Museum
15:30 – 15:50	<i>Coffee break</i>
15:50 – 17:20	Poster session (posters 22-48)
17:30 – 18:45	<i>Dinner</i>

Wednesday, 25 July

Session 7: “Microsporidia: Second United workshop on Microsporidia from invertebrate and vertebrate hosts” (oral presentations)

St. Petersburg State University, main building, Universitetskaya Emb., 7/9, 2nd floor: lecture room 140
Chairs: Caspar Franzen and Louis Weiss, Local Coordinator: Yulia Sokolova

9:30 – 10:00	Microsporidia—emerging human pathogens; physiology, biochemistry, and molecular biology of Microsporidia. E.S. Didier, <u>L.M. Weiss</u> (USA). MICROSPORIDIOSIS: CURRENT STATUS. <u>P.J. Keeling</u> (Canada). COMPARATIVE GENOMICS OF MICROSPORIDIA. <u>S. Tzipori</u> (USA). A GENOME SURVEY OF <i>ENTEROCYTOZOOM BIENEUSI</i> . <u>E.S. Nassonova</u> (Russia). MINIATURE CHROMOSOMES OF MICROSPORIDIA: STRUCTURE, SEGREGATION AND COMPACTION.
10:00 – 10:20	
10:20 – 10:40	
10:40 – 11:00	
11:00 – 11:20	<i>Coffee break</i>
11:20 – 11:40	<u>B. Williams</u> (Canada). DIVERSITY OF MITOCHONDRIAL PROCESSES IN MICROSPORIDIA.
11:40 – 12:00	<u>V.V. Dolgikh</u> , G.V. Beznoussenko, J.S. Tokarev, I.V. Sendersky, A.M. Naumov, A.A. Mironov (Russia, Italy). UNIQUE FEATURES OF MICROSPORIDIA PHYSIOLOGY CAUSED BY MINIMIZATION OF PARASITE CELL MACHINERY.



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY



23-27 July 2007
St. Petersburg, Russia

12:00 – 12:20	V. Polonais, F. Delbac, <u>C.P. Vivarès</u> (France). POLAR TUBE PROTEINS IN MICROSPORIDIA.
12:20 – 12:40	<u>C. Franzen</u> , J. Schoelmerich, B. Salzberger (Germany). ANALYSIS OF THE β -TUBULIN GENE FROM <i>VITTAFORMA CORNEAE</i> SUGGESTS BENZIMIDAZOLE RESISTANCE.
12:40 – 13:00	J. Acivarado, R. Upadhyya, A. Nemkal, H. Zhang, S. Almo, <u>L.M. Weiss</u> (USA). CHARACTERIZATION OF MICROSPORIDIAN METHIONINE AMINO PEPTIDASE TYPE 2 (METAP2): A THERAPEUTIC TARGET.
13:00 – 14:30	<i>Lunch</i>
14:30 – 14:50	<u>E.S. Didier</u> , L.C. Bowers, P.J. Didier (USA). MECHANISMS OF MACROPHAGE-MEDIATED INHIBITION OF <i>ENCEPHALITOZOON CUNICULI</i> .
	Host-parasite relations; biodiversity and taxonomy of Microsporidia; distribution among vertebrate and invertebrate hosts.
14:50 – 15:10	<u>K. Roennebaeumer</u> , U. Gross, W. Bohne (Germany). THE PARASITOPHOUS VACUOLE MEMBRANE OF <i>ENCEPHALITOZOON CUNICULI</i> CONTAINS PORES WHICH SHOULD ALLOW AN EXTENSIVE PARTICIPATION OF THE HOST CELL METABOLITE POOL.
15:10 – 15:50	<u>I.V. Issi</u> (Russia). PARASITIC SYSTEMS OF MICROSPORIDIA.
15:50 – 16:10	<i>Coffee break</i>
16:10 – 16:30	<u>J.E. Ironside</u> (UK). MULTIPLE LOSSES OF SEX WITHIN A SINGLE GENUS OF MICROSPORIDIA.
16:30 – 16:50	<u>Y.Y. Sokolova</u> , J.R. Fuxa (Russia, USA) SOCIAL PARASITISM IN MICROSPORIDIA: <i>THELOHANIA SOLENOPSAE</i> DEVELOPMENT IN COLONIES OF THE FIRE ANT, <i>SOLENOPSIS INVICTA</i> .
16:50 – 17:10	<u>J.R. Fuxa</u> , M.L. Milks, Y.Y. Sokolova, A.R. Richter (USA, Russia). EPIZOOTIOLOGY OF <i>THELOHANIA SOLENOPSAE</i> (MICROSPORIDIA) IN THE RED IMPORTED FIRE ANT, <i>SOLENOPSIS INVICTA</i> .
17:10 – 17:30	Discussion
17:30 – 18:45	<i>Dinner</i>

Wednesday, 25 July

Mini-Session: "History of Protistology"

*The Russian Academy of Sciences Library, Birzhevaya Liniya, 1 (Plushchad' Sakharova), 1st floor:
Academic Meeting Room (№ 311)*

Chair: Sergey I. Fokin

14:30 – 15:00	Exhibition "Protistological literature in the middle XVIII – early XX centuries".
15:00 – 15:20	<u>M. Muller</u> (USA). ERVIN BAUER, A HUNGARIAN-SOVIET PIONEER OF THEORETICAL BIOLOGY AND PROTISTOLOGY.
15:20 – 15:40	<u>S.I. Fokin</u> (Russia). SOME FACES OF RUSSIAN PROTISTOLOGY IN ST. PETERSBURG.



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY
23-27 July 2007
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15:40 – 16:00	Discussion and coffee break
16:00 – 17:30	First FEPS official meeting
17:30 – 18:45	<i>Dinner</i>

Wednesday, 25 July	
14:30 – 16:00	Poster Session: <i>Faculty of Biology and Soil Sciences, St. Petersburg State University, main building, Universitetskaya Emb., 7/9, 1st floor: Main Corridor</i>
	Session 1: “Taxonomy, phylogeny and evolution of protists”
	Session 3: “General morphology and cell biology of protists”
17:30 – 18:45	<i>Dinner</i>

Thursday, 26 July	
Session 3: “General morphology and cell biology of protists” (oral presentations) <i>St. Petersburg State University, main building, Universitetskaya Emb., 7/9, 2nd floor: lecture room 140</i> <u>Chair: Klaus Hausmann, Local Coordinator: Alexander O. Frolov</u>	

9:30 – 9:55	<u>W. Foissner</u> , B. Peukert, W.-D. Krautgartner (Austria). A UNIQUE ASSOCIATION BETWEEN BACTERIA AND CILIATES: SILICIOUS RESIDUES FROM FOOD BACTERIA ARE THE MAIN COMPONENT OF THE CYST WALL OF <i>MARYNA UMBRELLATA</i> (CILIOPHORA, COLPODEA).
9:55 – 10:20	<u>A. Frolov</u> (Russia). COMPARATIVE MORPHOLOGY OF PELOBIONTS.
10:20 – 10:45	J. Dutra, E. Barrias, <u>W. de Souza</u> , T. Carvalho (Brazil). PARTICIPATION OF HOST CELL MEMBRANE RAFTS IN <i>TRYPANOSOMA CRUZI</i> INVASION PROCESS.
10:45 – 11:00	<i>Coffee break</i>
11:00 – 11:20	<u>T. Cavalier-Smith</u> (UK). A CENTRIOLAR SYNAPOMORPHY FOR CERCOZOA AND AN OVERLOOKED CILIARY/CENTRIOLAR RETICULUM WIDESPREAD IN BIKONT PROTISTS.
11:20 – 11:40	<u>V.I. Yuryshynets</u> (Ukraine). MORPHOLOGICAL VARIABILITY OF CILIATES FROM THE GENUS <i>CONCHOPHTHIRUS</i> (OLIGOHYMENOPHOREA: PLEURONEMATIDA).
11:40 – 12:00	H.J. Esson (Canada). A MODEL FOR THE MORPHOGENESIS AND EVOLUTION OF THE EUGLENID PELLICLE.
12:00 – 12:20	A. Pereira-Neves, <u>M. Benchimol</u> (Brazil). PHAGOCYTOSIS BY <i>TRICHOMONAS VAGINALIS</i> : NEW INSIGHTS.
12:20 – 12:40	<u>O.A. Kornilova</u> (Russia). NEW LIFE FOR OLD COLLECTIONS OF CILIATES.
12:40 – 13:00	<u>A.W. Kaczanowski</u> , M. Kiersnowska, M. Prajer, Sz. Kaczanowski (Poland). MACRONUCLEAR INTRA S-PHASE CHECK POINT IN <i>TETRAHYMENA THERMOPHILA</i> INDUCED WITH LOW DOSES OF APHIDICOLIN, ROLE OF "PSEUDO SPINDLE" IN MACRONUCLEAR DNA SEGREGATION AND APOPTOTIC-LIKE DEGRADATION OF "EXTRUSION BODIES".
13:00 – 14:30	<i>Lunch</i>



V EUROPEAN CONGRESS OF PROTISTOLOGY

and

XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY

23-27 July 2007
St. Petersburg, Russia



14:30 – 14:50	<u>A. Kudryavtsev</u> , K. Hausmann (Russia, Germany). LOCOMOTION AND F-ACTIN DISTRIBUTION IN FLABELLINEAN AMOEBAE OF COCHLIOPODIIDAE, <i>FLAMELLA</i> AND <i>PELLITA</i> (AMOEOBOZOA).
14:50 – 15:10	<u>K. Sobierajska</u> , H. Fabczak, B. Groszynska, S. Fabczak (Poland). INTERACTION OF PHOSDUCIN WITH THE G-PROTEIN BETA SUBUNIT IN THE CILIATE PROTOZOAN <i>BLEPHARISMA JAPONICUM</i> UPON ILLUMINATION.
15:10 – 15:30	<u>W. Klopocka</u> , A. Wasik, P. Pomorski, D. Suplat, M.J. Redowicz (Poland). SIGNALLING PATHWAYS AND ACTIN DYNAMICS IN <i>AMOEBA PROTEUS</i> .
15:30 – 15:50	Coffee break
15:50 – 16:10	<u>V.I. Popenko</u> , B.P. Karajan, O.G. Leonova, Yu.F. Ivlev, J.L. Ivanova (Russia). EM AND 3D RECONSTRUCTION OF NUCLEOLAR APPARATUS IN THE MACRONUCLEUS OF THE CILIATE <i>DIDINIUM NASUTUM</i> .
16:10 – 16:25	<u>E.S. Snigirevskaya</u> , Ya.Yu. Komissarchik (Russia). GREGARINE SYZYGY AS A MODEL FOR MORPHO-FUNCTIONAL STUDY OF SEPTATE JUNCTIONS.
16:25 – 16:40	<u>O. Serehdina</u> (Russia, Germany). SYSTEMS FROM "CARL ZEISS" FOR BIOLOGY SCIENCES. TECHNICAL INNOVATIONS IN CONVENTIONAL MICROSCOPY.
16:40 – 17:00	Discussion
18:30 – 22:00	Banquet

Thursday, 26 July

Session 5: "Parasitic protists" (oral presentations)

Zoological Institute RAS, Universitetskaya Emb., 1: Conference Hall

Chair: Oleg N. Pugachev, Local Coordinator: Alexei Kostygov

9:30 – 9:50	<u>J.P. Dedet</u> , F. Pratlong, C. Chicharro, M. Gramiccia, C. Canavate, L. Campino, J. Alvar (France, Spain, Italy, Portugal). <i>LEISHMANIA INFANTUM</i> IDENTIFICATION DURING <i>LEISHMANIA/HIV</i> CO-INFECTION IN SOUTHERN EUROPE: STUDY OF 972 STRAINS ISOLATED BETWEEN 1986 AND 2005.
9:50 – 10:10	L. Larrouy, C. Sarfati, H. Belkhiter, S. Hamane, J.-M. Molina, F. Derouin, <u>J. Menotti</u> (France). POTENTIAL RISK OF CONTAMINATION OF HOSPITAL ENVIRONMENT BY <i>CRYPTOSPORIDIUM</i> OOCYSTS FROM PATIENTS WITH ACTIVE CRYPTOSPORIDIOSIS.
10:10 – 10:30	I. Guschina, <u>D. Lloyd</u> , J.L. Harwood, B. Goldberg, K. M. Harris (UK, USA). PHOSPHOLIPIDS OF THE MICROAEROPHILIC PROTOZOA FLAGELLATE, <i>TRICHOMONAS VAGINALIS</i> .
10:30 – 10:50	<u>V.D. Kallinikova</u> , E.G. Kravtsov, Z. Batmunkh, E.N. Kosobokova, L.V. Pakhorukova, T.A. Ogloblina, L.P. Karpenko (Russia). ON THE IMMUNOLOGICAL MECHANISMS OF <i>TRYPANOSOMA CRUZI</i> ANTI-TUMORAL PHENOMENON.
10:50 – 11:10	Coffee break
11:10 – 11:30	<u>A.Yu. Kostygov</u> , A.O. Frolov (Russia). <i>LEPTOMONAS JACULUM</i> (LEGER 1902) WOODCOCK 1914: A <i>LEPTOMONAS</i> OR A <i>BLASTOCRITHIDIA</i> ?
11:30 – 11:45	<u>O.V. Anatskaya</u> , N.V. Sidorenko, A.E. Vinogradov, T.V. Beyer (Russia). CHANGES IN RAT HEPATOCYTE PLOIDY AND HYPERTROPHY AFTER CRYPTOSPORIDIAL GASTROENTERITIS (<i>CRYPTOSPORIDIUM PARVUM</i> , SPOROZOA, APICOMPLEXA).



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY

23-27 July 2007
St. Petersburg, Russia



11:45 – 12:00	<u>R. Morilla</u> , M. Montes-Cano, F. Munoz-Lobato, V. Friaza, L. Rivero, N. Respaldiza, F.J. Medrano, J.M. Varela, E.J. Calderon, C. De la Horra (Spain). <i>PNEUMOCYSTIS JIROVECI</i> INCREASES PROINFLAMMATORY CYTOKINES LEVEL IN COPD PATIENTS.
12:00 – 13:00	Poster session
13:00 – 14:30	<i>Lunch</i>

Thursday, 26 July

Session 6: "Symbiosis involving protists" (oral presentations)

St. Petersburg State University, main building, Universitetskaya Emb., 7/9, 1st floor: lecture room 133
Chair: H.-D. Goertz, Local Coordinator: Sergey I. Fokin

9:30 – 9:45	<u>R. Radek</u> , G. Nitsch (Germany). THE TERMITE FLAGELLATE <i>MIXOTRICHA PARADOXA</i> : ATTACHMENT AND CYST FORMATION OF ECTOBIOIC SPIROCHETES.
9:45 – 10:00	<u>J.K. Torok</u> , B. Pollak, Zs. Heeger, Gy. Csikos, K. Marialigeti (Hungary). FIRST EVIDENCE ON BACTERIAL ENDOCYTOBIANTS IN THE TESTATE AMOEBAE OF THE GENUS <i>ARCELLA</i> .
10:00 – 10:15	B. Pollak, <u>Zs. Heeger</u> , J.K. Torok, K. Marialigeti (Hungary). MOLECULAR BIOLOGICAL IDENTIFICATION OF CULTURED AND NATIVE PROKARYOTIC ENDOCYTOBIANTS OF <i>ARCELLA</i> SPP.
10:15 – 10:30	N.V. Nemtseva, <u>A.O. Plotnikov</u> (Russia). THE SYMBIOTIC SYSTEMS OF PROTISTS AND BACTERIA, INHIBITED PROTECTIVE FACTORS OF EUKARYOTIC CELL: MECHANISMS OF FORMATION.
10:30 – 10:50	<u>S.I. Fokin</u> , F. Ferrantini, C Vannini, H.-D. Goertz, F. Verni, G. Rosati, G. Petroni (Russia, Italy, Germany). <i>HOLOSPORA</i> AND <i>HOLOSPORA</i> -LIKE ENDOCYTOBIANTS IN CILIOPHORA.
10:50 – 11:15	<i>Coffee break</i>
11:15 – 11:30	<u>F. Ferrantini</u> , S.I. Fokin, C. Vannini, L. Modeo, F. Verni, G. Petroni (Italy, Russia). CILIATES AS NATURAL HOSTS OF MANY NOVEL <i>RICKETTSIA</i> -LIKE BACTERIA.
11:30 – 11:45	C. Vannini, F. Ferrantini, S.I. Fokin, G. Rosati, F. Verni, <u>G. Petroni</u> (Italy, Russia). COMPLEX DISTRIBUTION PATTERN OF PRIMARY AND SECONDARY SYMBIONTS IN <i>EUPLOTES</i> .
11:45 – 12:05	<u>H.-D. Goertz</u> (Germany). DIVERSITY OF BACTERIAL SYMBIONTS IN <i>PARAMECIUM</i> .
12:05 – 12:20	<u>M. Fujishima</u> , K. Iwatani, Y. Nakamura, Y. Kodama (Japan). INFECTION OF <i>HOLOSPORA</i> IS CONTROLLED BY 89-KDA PERIPLASMIC PROTEINS AND THE HOST ACTIN.
12:20 – 12:35	<u>E.V. Sabaneyeva</u> , K.A. Benken, M.E. Derkacheva, I.N. Skovorodkin, S.I. Fokin (Russia). <i>HOLOSPORA</i> TRAFFICKING IN <i>PARAMECIUM</i> : THE ROLE OF THE HOST CELL CYTOSKELETON.
12:35 – 12:50	<u>M.S. Rautian</u> , N. Wackerow-Kouzova (Russia). MOLECULAR PHYLOGENY OF <i>HOLOSPORA</i> – INTRANUCLEAR SYMBIOTIC BACTERIA OF <i>PARAMECIUM</i> SSP.
13:00 – 14:30	<i>Lunch</i>



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY



23-27 July 2007
St. Petersburg, Russia

14:30 – 14:45	<u>Y. Kato</u> , N. Imamura (Japan). REGULATION OF AMINO ACID TRANSPORT BY CALCIUM ION AND SUGARS IN <i>PARAMECIUM</i> SYMBIONT.
14:45 – 15:00	<u>M. Summerer</u> , B. Sonntag, R. Sommaruga (Austria). <i>CHLORELLA</i> -BEARING CILIATES AND THEIR UV-PROTECTION STRATEGIES.
15:00 – 15:15	<u>Y. Kodama</u> , M. Fujishima (Japan). TIMING OF DIFFERENTIATION OF PERIALGAL VACUOLE MEMBRANE FROM DIGESTIVE VACUOLE MEMBRANE OF THE CILIATE <i>PARAMECIUM BURSARIA</i> DURING INFECTION WITH SYMBIOTIC ALGAE <i>CHLORELLA VULGARIS</i> .
15:15 – 15:30	<u>K.V. Kvitko</u> , A.V. Migunova, E.E. Andronov, K.P. Vorobiev, D.V. Karelov (Russia). INTRONS IN 18S RNA GENE AS A TAXONOMIC CHARACTER OF <i>CHLORELLA</i> ENDOSYMBIONTS OF <i>PARAMECIUM BURSARIA</i> .
15:30 – 16:00	Poster session
16:00 – 16:15	<i>Coffee break</i>
16:15 – 17:00	Discussion
18:30 – 22:00	<i>Banquet</i>

Thursday, 26 July

Session 7: “Microsporidia: Second United workshop on Microsporidia from invertebrate and vertebrate hosts” (oral presentations)

*St. Petersburg State University, Department of Genetics, Universitetskaya Emb., 7/9, ground floor:
Lecture room 1*

Chairs: Caspar Franzen and Louis Weiss, Local Coordinator: Yulia Sokolova

	Host-parasite relations; biodiversity and taxonomy of Microsporidia; distribution among vertebrate and invertebrate hosts (continued).
9:30 – 9:50	<u>R. Fayer</u> , M. Santin, J.M. Trout (USA). LONGITUDINAL STUDY OF MICROSPORIDIA IN CATTLE ON A DAIRY FARM.
9:50 – 10:10	<u>L. Xiao</u> , V. Cama, C. Bern, Y. Ortega, H.H. Garcia, A.E. Gonzalez, R.H. Gilman (USA, Peru). MOLECULAR EPIDEMIOLOGIC STUDIES OF <i>ENTEROCYTOZOON BIENEUSI</i> : THE PERU EXPERIENCE.
10:10 – 10:30	<u>Yu.M. Malysh</u> , Yu.S. Tokarev (Russia). DYNAMICS OF MICROSPORIDIAN INFECTION IN POPULATIONS OF HARMFUL ARTHROPODS.
10:30 – 10:50	<i>Coffee break</i>
	Biodiversity and taxonomy of Microsporidia
10:50 – 11:10	M. Ovcharenko, <u>I. Wita</u> , D. Codreanu-Balcescu, M. Grabowski, A. Konopacka (Poland, Romania). MICROSPORIDIA AND GREGARINES OF ALIEN AND NATIVE GAMMARIDS (AMPHIPODA) OCCURRING IN POLAND.
11:10 – 11:30	<u>A.K. Gorbunov</u> (Russia). MICROSPORIDIAN PARASITES OF ROTIFERS FROM THE VOLGA DELTA.
11:30 – 12:50	<u>Yu. Rotarij</u> , G. Paskerova (Russia). NEW DATA ON HYPERPARASITIC MICROSPORIDIANS FROM POLYCHAETES OF THE WHITE SEA.
13:00 – 14:30	<i>Lunch</i>
14:30 – 16:00	Poster session



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY
23-27 July 2007
St. Petersburg, Russia



POSTER SESSIONS

Wednesday, 25 July	<p><i>Faculty of Biology and Soil Sciences, St. Petersburg State University, main building, Universitetskaya Emb., 7/9, 1st floor: Main Corridor</i></p> <p><u>Session 1:</u> “Taxonomy, phylogeny and evolution of protists” (14:30 – 16:00)</p> <p><u>Session 3:</u> “General morphology and cell biology of protists” (14:30 – 16:00)</p> <hr/> <p><i>Zoological Museum, Zoological Institute RAS, Universitetskaya Emb., 1, 1st floor: gallery</i></p> <p><u>Session 2:</u> “Biodiversity, biogeography and ecology of aquatic and soil protists”, posters 22-48 (15:50 – 17:20)</p>
Thursday, 26 July	<p><i>Zoological Museum, Zoological Institute RAS, Universitetskaya Emb., 1, 1st floor: gallery</i></p> <p><u>Session 2:</u> “Biodiversity, biogeography and ecology of aquatic and soil protists”, posters 49-55 (12:00 – 13:00)</p> <p><u>Session 5:</u> “Parasitic protists” (12:00 – 13:00)</p> <hr/> <p><i>Faculty of Biology and Soil Sciences, St. Petersburg State University, main building, Universitetskaya Emb., 7/9, 1st floor: Main Corridor</i></p> <p><u>Session 4:</u> “Molecular biology, genetics and genomics of protists” (14:30 – 16:00)</p> <p><u>Session 6:</u> “Symbiosis involving protists” (15:30 – 16:00)</p> <p><u>Session 7:</u> “Microsporidia: Second United workshop on Microsporidia from invertebrate and vertebrate hosts” (14:30 – 16:00)</p>

Friday, 27 July

Museums, concerts, theater performances, post-congress excursions

Departure



POSTERS

Session 1: "Taxonomy, phylogeny and evolution of protists"

- 1) S. Agatha. REDESCRIPTION OF *STENOSEMELLA NIVALIS* (CILIOPHORA, SPIROTRICHA, TINTINNINA) BASED ON LIVE OBSERVATION, PROTARGOL IMPREGNATION, AND SCANNING ELECTRON MICROSCOPY.
- 2) H. Berger. THE GROUND-PATTERN OF THE HYPOTRICHIA (SPIROTRICHA, CILIOPHORA).
- 3) O.N. Boldina. ULTRASTRUCTURAL INVESTIGATION OF *CHLAMYDOMONAS CARRIZOENSIS* AND THE VARIABILITY OF TRADITIONAL MORPHOLOGICAL CRITERIA OF *CHLAMYDOMONAS*.
- 4) T. Cavalier-Smith, R. Lewis, E.E. Chao, B. Oates, D. Bass. ULTRASTRUCTURAL UNITY OF CERCOZOA: THE CENTRIOLAR/TRANSITIONAL HUB-LATTICE, CENTRIOLAR RETICULUM, AND CILIARY CORTICAL FILAMENTS, WITH POSSIBLE ROLES IN NON-CONVENTIONAL CILIARY BEHAVIOUR, USING *SAINOURON ACRONEMATICA* SP. N., A ZOOFLAGELLATE WITH REMARKABLY SIMPLIFIED AND GEOMETRICALLY DEFINED ULTRASTRUCTURE, AS MODEL.
- 5) T. Cavalier-Smith, B. Oates, R. Lewis, E.E. Chao, D. Bass. *HELKESIMASTIX MARINA* SP. N. (CERCOZOA, MONADOFILOSA): A GLIDING ZOOFLAGELLATE LINEAGE OF NOVEL ULTRASTRUCTURE.
- 6) A.S. Dudin. FIRST REPORT OF ACTINOSPOREANS IN RUSSIA.
- 7) S.Y. Kim, J.K. Choi, E.J. Yang, J. Gong. MORPHOLOGY, MORPHOGENESIS AND PHYLOGENETIC ANALYSIS OF MARINE CILIATE *FAVELLA EHRENBERGII* JORGENSEN, 1924 (CILIOPHORA: CHOREOTRICHIA).
- 8) A. Kudryavtsev. A HIGHER SPECIES DIVERSITY IN THE FAMILY MICROCHLAMYIIDAE OGDEN, 1985 (AMOEOZOA, TESTACEALOBOSIA): TWO NEW SPECIES OF THE GENUS *SPUMOCHLAMYS* KUDRYAVTSEV AND HAUSMANN, 2007.
- 9) A. Kudryavtsev, K. Hausmann. AN UNUSUAL COMBINATION OF LIGHT- AND ELECTRON-MICROSCOPICAL FEATURES IN "*THECAMOEBA*" *VERRUCOSA* (EHRENBERG, 1838) (AMOEOZOA).
- 10) C.B. Kwon, M.K. Shin. RE-EVALUATION OF DORSAL SILVER LINE SYSTEM IN CHARACTERIZATION OF *EUPLOTES NOVEMCARINATA* (WANG, 1930) (CILIOPHORA: HYPOTRICHIDA).
- 11) J. Lee, C.B. Kwon, M.K. Shin. A NEW CILIATE SPECIES OF THE GENUS *AMPHISIELLA* (CILIOPHORA, HYPOTRICHIA) FROM ESTUARY IN KOREA.
- 12) W.J. Lee, N.J. Park, J. K. Choi, J.-D. Lee, K. Shin. DISTRIBUTION OF HETEROTROPHIC PROTISTS AND FACTORS CONTROLLING THEIR DISTRIBUTION IN MASAN BAY, KOREA
- 13) K.A. Mamkaeva, A.V. Pljusch, M.A. Mamkaeva, S.A. Karpov. *AMOEBORADIX GROMOVI* GEN. ET SP. NOV. - ENIGMATIC PARASITE OF ALGA *TRIBONEMA GAYANUM*.
- 14) K.V. Mikhailov, V.V. Aleoshin. RESOLVING THE POSITION OF RHIZARIA ON THE BASIS OF MULTIGENE ANALYSIS.
- 15) I.V. Nekrasova, A.A. Potekhin, E. Przybos, M.S. Rautian. MACRONUCLEAR GENOME ORGANIZATION CHANGES AT THE INITIAL STAGES OF SPECIATION: *PARAMECIUM AURELIA* COMPLEX AS A MODEL
- 16) G.G. Paskerova. TRANSITION BETWEEN EXTRACELLULARITY AND INTRACELLULARITY IN LOWER SPOROZOANS: A CASE OF *ELEUTHEROSCHIZON DUBOSQUI* BRASIL, 1906 (COCCIDEA, PROTOCOCCIDIIDA) FROM POLYCHAETES *SCOLOPLOS ARMIGER* AND *NAINEREIS QUADRICUSPIDA*.
- 17) J. Pawlowski, J.F. Fahrni. PHYLOGENETIC POSITION OF TRICHOSIDAE.
- 18) L.N. Seravin, A.V. Goodkov. WHICH PROTISTS WERE THE ANCESTORS OF METAZOA?
- 19) C. Shao, W. Song, Z. Chen, A. Warren, L. Li. PRODISCOCEPHALUS: AN EUPLOTID OR STICHOTRICHOUS CILIATE? WITH PHYLOGENETIC ANALYSIS INFERRED FROM BOTH ONTOGENETIC AND 18S RNA GENE INFORMATION (CILIOPHORA: SPIROTRICHEA).
- 20) A.V. Shatilovich, L.E. Petrovskaya. ANCIENT SOIL CILIATES (PROTOZOA, CILIOPHORA) ISOLATED FROM PERMAFROST: MORPHOLOGICAL AND MOLECULAR STUDY.
- 21) S. Tarcz. INTRASPECIFIC DIFFERENTIATION WITHIN *PARAMECIUM NOVAURELIA* (CILIOPHORA, OLIGOHYMENOPHOREA) USING rDNA AND mtDNA ANALYSIS.

Session 2: "Biodiversity, biogeography and ecology of aquatic and soil protists"

- 22) M.A. Aladro-Lube, R. Mayen-Estrada, M. Reyes-Santos. DIVERSITY OF EPIBIONT CILIATES OF VARIOUS ORGANIC SUBSTRATES IN MEXICO.



- 23) T.N. Anufrieva. THE *EPISTYLIS* SP. (CILIATA, PERITRICHIA) AS EPIBIONTS OF CALANOID COPEPODS *ARCTODIAPTOMUS SALINUS* (DADAY) IN BRACKISH LAKES IN KHAKASSIA.
- 24) D. Bass, A.T. Howe, C. Yackulic, H. Withers, E.E. Chao, T. Cavalier-Smith. FACTORS INFLUENCING THE DIVERSITY AND DISTRIBUTION OF CERCOMONADS (CERCOZOA) AT DIFFERENT PHYLOGENETIC SCALES: UBIQUITOUS AND ECOLOGICALLY DIVERSE HETEROTROPHIC ZOOFLAGELLATES WHICH YET SHOW CLEAR PATTERNS OF COMMUNITY DIFFERENTIATION.
- 25) V.V. Borisov, I.V. Burkovsky. LOCOMOTORIAL BEHAVIOR OF PSAMMOPHILIC CILIATES.
- 26) O.A. Bubnova, Yu.A. Mazei. PATTERNS OF THE TESTATE AMOEBAE COMMUNITY STRUCTURE ALONG THE MOISTURE GRADIENT: MICROSPATIAL VIEW.
- 27) I.V. Burkovsky, Yu.A. Mazei. SPATIAL AND TEMPORAL PATTERNS OF THE STRUCTURE OF MARINE INTERSTITIAL CILIATE COMMUNITIES.
- 28) E.A. Embulaeva, Yu.A. Mazei. TESTATE AMOEBAE FROM SOILS OF FOREST-STEPPE ECOSYSTEMS.
- 29) L. P. Gaponova. NEW DATA ON DIVERSITY AND DISTRIBUTION OF THE CENTROHELID HELIOZOA (CENTROHELIDA) IN UKRAINE.
- 30) E.A. Golikova, M.A. Varfolomeeva, S.A. Korsun. COMMUNITY STRUCTURE OF BENTHIC FORAMINIFERA FROM A GLACIATED FJORD OF SPITSBERGEN.
- 31) T.J. Heger, N. Derungs, J.P. Theurillat, E. Mitchell. TESTATE AMOEBAE (PROTISTA) COMMUNITIES IN *CALLUNA VULGARIS* LITTER DIFFER WITH INCREASING ALTITUDE.
- 32) A.T. Howe, D. Bass, E.E. Chao, T. Cavalier-Smith. PHYLOGENY AND BIODIVERSITY OF HETEROMITID CERCOZOA: ABUNDANT, DIVERSE, AND UBIQUITOUS ZOOFLAGELLATES REVEALED.
- 33) S.L. Kazubski, V.I. Yuryshynets. *OPHRYOGLENA* SP., A PARASITE OF *DREISSENA POLYMORPHA* (PALLAS) IN POLAND, AND REMARKS ON ITS POSSIBLE REPRODUCTION IN THE HOST.
- 34) Y.-O. Kim, A. Taniguchi. CYST MORPHOLOGY AND ENCYSTMENT OF THE PLANKTONIC OLIGOTRICH CILIATE *STROMBIDIUM CAPITATUM*.
- 35) A.K. Kiss, K.T. Kiss, E. Acs. FOOD SELECTION AND FEEDING STRATEGIES OF PROTOZOA IN PLANKTON OF RIVER DANUBE.
- 36) L.A. Konstantynenko. SQUARE NUMBER OF FOOD VACUOLES AS A NUTRITION INTENSITY INDEX IN PERITRICHIDS (CILIOPHORA, PERITRICHIA) OF THE ACTIVATED SLUDGE IN THE SEWAGE TREATMENT PLANT.
- 37) K.V. Kreneva. COMMUNITY OF PLANKTON CILIATES OF THE AZOV SEA.
- 38) M. Kreutz, W. Foissner. THE SPHAGNUM PONDS OF SIMMELRIED IN GERMANY: A BIODIVERSITY HOT-SPOT FOR MICROSCOPIC ORGANISMS.
- 39) A.V. Kurilov. A SYNOPSIS OF THE BLACK SEA FAUNA OF PLANKTONIC CILIATES.
- 40) W.J. Lee, N.J. Park. FREE-LIVING HETEROTROPHIC FLAGELLATES FROM DEEP-SEA SEDIMENTS OF GIPPSLAND BASIN, SOUTH-EASTERN AUSTRALIA.
- 41) Y. Lei, J. Choi, K. Xu, H. Hong. COMMUNITY STRUCTURE AND DYNAMICS OF CILIATED PROTOZOA ALONG SALINITY GRADIENTS AT SALTPANS OF THE YELLOW SEA.
- 42) M.M. Leonov. THE BIODIVERSITY OF HELIOZOANS AND HETEROTROPHIC FLAGELLATES OF SEVERAL BOGS AND SMALL RIVER.
- 43) H. Mueller. LONG-TERM SURVIVAL OF THE RESTING CYSTS OF THE HALTERIID CILIATE *MESERES CORLISSI*, AND IMPLICATIONS FOR ITS MAINTENANCE IN LABORATORY CULTURES.
- 44) A. Ostojic, R. Matonickin Kercija, M. Milisa, B. Primc-Habdija, I. Habdija, K. Tockner. THE EFFECT OF DRYING ON COLONIZATION OF PERIPHYTON COMMUNITIES.
- 45) L.A. Popova (Ukraine). GROWTH OF *EUPLOTES VANNUS* VAR. *BALTICUS* KAHL, 1932 ON THE MARINE OIL OXIDIZING YEASTS.
- 46) P. Quintela-Alonso, R. Anadon-Alvarez, S. Ruiz-Alvarez. CHARACTERIZATION OF TAXONOMICAL AND FUNCTIONAL GROUPS OF THE CILIATE COMMUNITIES FROM TWO BRACKISH COASTAL LAGOONS OF THE NORTHWEST OF SPAIN: LAGOON OF VIXAN AND LAGOON OF SAN PEDRO DE MURO.
- 47) P. Quintela-Alonso, S. Ruiz-Alvarez, R. Anadon-Alvarez. VARIATION OF THE SAPROBIC POLLUTION DEGREE IN TWO BRACKISH LAGOONS OF THE NORTHWEST OF SPAIN (VIXAN AND SAN PEDRO DE MURO LAGOONS), USING CILIATES (PROTOZOA: CILIOPHORA) AS INDICATORS OF WATER QUALITY.
- 48) E. Ramirez, E. Robles, R. Ayala, L. Campos. PRESENCE AND SEASONAL DISTRIBUTION OF FREE-LIVING AMOEBAE IN A GROUNDWATER SYSTEM.
- 49) A.V. Shatilovich, L.A. Shmakova, S.V. Gubin, D.A. Gilichinsky. DETECTION OF FREE-LIVING SOIL PROTOZOA PRESERVED IN EASTERN ARCTIC PERMAFROST.



V EUROPEAN CONGRESS OF PROTISTOLOGY
and
XI EUROPEAN CONFERENCE ON CILIATE BIOLOGY



23-27 July 2007
St. Petersburg, Russia

- 50) S.Yu. Shevchuk. DEPENDENCE OF HETEROTROPHIC FLAGELLATES ABUNDANCE ON THE HYDROCHEMICAL PARAMETERS IN DIFFERENT RESERVOIRS IN THE CENTRAL PART OF UKRAINIAN POLISSIA AREA.
- 51) N.Yu. Snegovaya, I.Kh. Alekperov. THE SPECIES DIVERSITY OF THE FRESHWATER TESTATE AMOEBAE OF AZERBAIJAN.
- 52) L.N. Voloshko. CHRYSOPHYTE FLORA FROM GLACIAL LAKES IN THE BASIN OF KARA RIVER (POLAR URAL).
- 53) K. Xu, W. Foissner. MONOGRAPH OF THE SPATHIDIIDA (CILIOPHORA, HAPTORIDA).
- 54) K. Xu, Y. Lei, J.K. Choi, E.J. Yang. A NEW MICROCOSM AND ITS USE IN BIOMONITORING OF MARINE POLLUTION STATUS USING PFU PROTOZOAN COMMUNITIES.
- 55) V.V. Zharikov, S.V. Bykova. SPECIES DIVERSITY AND ECOLOGY OF CILIATES FROM SMALL WATER BODIES IN THE AREA OF SARATOV RESERVOIR (THE LOWER VOLGA RIVER).

Session 3: "General morphology and cell biology of protists"

- 56) L.V. Chystjakova, A.V. Goodkov. COMPARATIVE ULTRASTRUCTURE OF THE FLAGELLAR APPARATUS OF *PELOMYXA* SPECIES (PELOFLAGELLATA, PELOBIONTIDA).
- 57) T.A. Iudina. THE LIGHT MICROSCOPIC EVIDENCES OF SEXUAL PROCESS IN LOBOSE AND FILOSE TESTACEAN AMOEBAE.
- 58) A.V. Kudryavtseva, A.O. Smurov, A.V. Goodkov. SALINITY TOLERANCE OF LOBOSE AMOEBAE AND CILIATES.
- 59) M.N. Malysheva. ULTRASTRUCTURAL ORGANIZATION AND FORMATION OF CYST-LIKE CELL IN HOMOXENOUS TRYPANOSOMATIDS OF THE GENERA *LEPTOMONAS* AND *BLASTOCRITHIDIA*.
- 60) A.P. Mylnikov. THE ULTRASTRUCTURE OF MARINE CARNIVOROUS FLAGELLATE *METROMONAS SIMPLEX* (CERCOZOA INCERTAE SEDIS).
- 61) Yu.I. Podlipaeva, A.O. Smurov, A.V. Goodkov. THE ROLE OF HEAT SHOCK PROTEINS IN THE PROCESS OF SALINITY ADAPTATIONS IN EURYHALINE AND FRESHWATER CILIATES.
- 62) K.A. Benken, E.V. Sabaneyeva. IN SEARCH OF NUCLEAR ACTIN IN *PARAMECIUM CAUDATUM*.
- 63) L.A. Shmakova, Yu.I. Podlipaeva, D.A. Gilichinski, A.V. Goodkov. VIABLE ANCIENT ACANTHAMOEBAE FROM PERMAFROST OF EASTERN SIBERIA: POSSIBLE REASONS FOR HIGH VIABILITY POTENCIES.
- 64) M. Sobczak, W. Klopocka, A. Wasik, Z. Madeja, M.J. Redowicz. *AMOEBA PROTEUS* MYOSIN VI-IMMUNOANALOG IS INVOLVED IN CELL MIGRATION, PINOCYTOSIS AND PHAGOCYTOSIS.

Session 4: "Molecular biology, genetics and genomics of protists"

- 65) E.V. Ermilova, T.V. Lapina, Zh.M. Zalutskaya. INSERTIONAL MUTAGENESIS TO GENERATE OSMOREGULATORY MUTANTS IN *CHLAMYDOMONAS REINHARDTII*.
- 66) E.V. Ermilova, M.M. Nikitin, E. Fernandez. CHEMOTAXIS TO AMMONIUM AND AMMONIUM TRANSPORT IN *CHLAMYDOMONAS*.
- 67) M.V. Gomez, M. Wasserman. GENES OF THE MEVALONATE PATHWAY IN *GIARDIA INTESTINALIS*: HOW MANY DO EXIST, WHICH ARE TRANSCRIBED AND HOW THEIR EXPRESSION CHANGES DURING ENCYSTATION?
- 68) I.M. Sehring, C. Reiner, J. Mansfeld, E. Wagner, H. Plattner, R. Kissmehl. THE ACTIN MULTIGENE FAMILY OF *PARAMECIUM TETRAURELIA*.
- 69) E.I. Sharova, E.A. Bessolitsyna, E.M. Merzlyak, P.N. Flegontov, A.A. Kolesnikov. MULTIPLE TRANSCRIPTION INITIATION SITES IN THE MAXICIRCLE KINETOPLAST DNA OF MONOGENETIC TRYPANOSOMATID *LEPTOMONAS SEYMOURI*.
- 70) M. Sugita, K. Nakano, O. Numata. CYTOPLASMIC MICROTUBULES ARE REQUIRED FOR EGESTION OF A FOOD VACUOLE, WHILE ACTIN FILAMENTS ARE INVOLVED IN MEMBRANE RECYCLING IN A CYTOPROCT IN *TETRAHYMENA THERMOPHILA*.
- 71) A. Wasik, K. Wierzbicka, P. Pomorski, W. Klopocka. EFFECT OF COFILIN-LIKE PROTEIN ON THE MIGRATION AND ENDOCYTOSIS IN *AMOEBA PROTEUS*.
- 72) A.L. Yudin, Z.I. Uspenskaya. NUCLEAR DIFFERENTIATION OF MATING TYPES IN THE LOWER CILIATE *DILEPTUS ANSER*.



Session 5: "Parasitic protists"

- 73) P. Bonilla-Lemus, D. Hernandez-Martinez, M. Omana-Molina, C. Melchor, A. Esparza. PRIMARY AMOEBIC MENINGOENCEPHALITIS IN MEXICO: CASE REPORT.
- 74) O. Brandonisio, P. Cavallo, A. Cianciulli, V. Mitolo, V. Lacasella, M.A. Panaro. *GIARDIA DUODENALIS* WB C6 INDUCES EARLY CASPASE-DEPENDENT APOPTOSIS IN HCT-8 CELL LINE.
- 75) O. Coppellotti, S. Ferro, L. Guidolin, G. Jori. *ACANTHAMOEBA PALESTINENSIS* PHOTSENSITISED INACTIVATION AND THE NEED OF NEW TREATMENTS OF PATHOGENIC PROTOZOA.
- 76) A. Dyakin, G. Paskerova. CORRELATION BETWEEN CORTEX STRUCTURE AND MOTILITY TYPE OF GREGARINES BY THE EXAMPLE OF THREE *UROSPORA* SPECIES.
- 77) H.D. Gaibova, N.G. Iskenderova, M.A. Musaev. PREVALENCE OF CRYPTOSPORIDIA IN THE FARM ANIMALS OF AZERBAIJAN.
- 78) M.A. Guseinov. HEMOPARASITES OF FISH AND AMPHIBIA IN THE GANYHCHAY RIVER (NORTHWESTERN AZERBAIJAN).
- 79) F. Munoz-Lobato, V. Friaza, C. De la Horra, N. Respaldiza, M.A. Montes-Cano, R. Morilla, L. Rivero, J. Martin-Juan, J. Varela, E. Rodriguez-Becerra, E.J. Calderon. *PNEUMOCYSTIS JIROVECI* COLONIZATION ALTERS PULMONARY SURFACTANT-ASSOCIATED PROTEINS IN SUBJECTS WITH IDIOPATHIC INTERSTITIAL PNEUMONIA.
- 80) M. Omana-Molina, L. Verdin-Teran, D. Hernandez-Martinez, R. Ortiz-Ortega, L. Moreno-Fierros, P. Bonilla-Lemus. EXPERIMENTAL MURINE GRANULOMATOUS AMOEBIC ENCEPHALITIS: IMMUNOHISTOCHEMICAL CHARACTERIZATION OF EARLY STAGES OF THE INFECTION.
- 81) N. Rzdolskaya, O. Gavrilova, A. Ivanov I. Telichko, A. Krivoruchko. PECULIARITY OF THE CLINICAL ISOLATES *TRICHOMONAS VAGINALIS*.
- 82) T. Simdyanov. EPICYTE STRUCTURE DIVERSITY IN THE ASEPTATE GREGARINE FAMILY LECUDINIDAE.
- 83) P. Tyutyayev. CYTOLOGY AND MORPHOLOGY OF MYXOSPORIDIA (MYXOZOA).
- 84) A.V. Uyezdina, V.V. Dyomkin, V.T. Zablotsky. APPLICATION OF POLYMERASE CHAIN REACTION IN THE DIAGNOSTICS OF AVIAN CRYPTOSPORIDIOSIS.
- 85) A. Valigurova, M. Jirku, B. Koudela, M. Gelnar. COMPARATIVE EXTERNAL MORPHOLOGY OF DEVELOPMENTAL STAGES OF GASTRIC *CRYPTOSPORIDIUM* SPP FROM ENDOTHERMIC.
- 86) I. Vorob'eva, A. Dyakin. ULTRASTRUCTURE OF *BOTHRIOPSISIDES HISTRIO* (APICOMPLEXA: EUGREGARINIDA: ACTINOCEPHALIDAE) FROM *ACILIUS SULICATUS* (INSECTA: COLEOPTERA: DYTISCIDAE).

Session 6: "Symbiosis involving protists"

- 87) M.E. Derkacheva, I.N. Skovorodkin. THE ROLE OF ACTIN IN TRANSPORTATION OF HOLOSPORA-BACTERIA THROUGH THE CYTOPLASM OF *PARAMECIUM CAUDAUTM* DURING INFECTION PROCESS.
- 88) P.V. Dobrynin, T.H. Hoang, D.A. Elster, D.V. Karellov, A.V. Migunova. VIRUSES ECOTYPES IN COLLECTION OF CILIATES WITH DOUBLE VIRAL INFECTION.
- 89) D.A. Elster, P.V. Dobrynin, A.V. Migunova. *ACANTHOCYSTIS TURFACEA CHLORELLA* VIRUS FROM FRESHWATER PONDS OF SAINT-PETERSBURG.
- 90) V.V. Emelyanov. HOLOSPORACEAE, RICKETTSIALES, AND MITOCHONDRIAL ORIGIN: RICKETTSIAE IMPORT MITOCHONDRIAL PORIN.
- 91) Zs. Heeger, B. Pollak, J.K. Torok, K. Marialigeti. TOTAL INTRACELLULAR BACTERIUM SPECTRA FROM DIFFERENT CLONAL CULTURES OF *ARCELLA* SPP. COMPARED BY DGGE.
- 92) L.O. Ivanova. NEWLY DISCOVERED SYMBIOTIC ASSOCIATION BETWEEN AMOEBIA AND FUNGUS.
- 93) J.K. Torok, Gy. Csikos, B. Pollak, Zs. Heeger, K. Marialigeti. LIGHT AND ELECTRON MICROSCOPICAL STUDIES ON MORPHOLOGICAL POLYMORPHISM IN CLONAL CULTURES OF *ARCELLA* SPECIES WITH SPECIAL REGARD TO THEIR ENDOCYTOBIANTS.
- 94) K.P. Vorobyev, E.E. Andronov, A.V. Migunova, K.V. Kvitko. SYMBIOTIC AND NON-SYMBIOTIC ALGAE DIVERSITY IN SINGLE CELLS OF *PARAMECIUM BURSARIA*.
- 95) V.V. Yashchenko, I.I. Skoblo, A.A. Potekhin, A.V. Migunova, M.S. Rautian. COORDINATED DISTRIBUTION OF *PARAMECIUM BURSARIA* SYNGENS AND VIRUSES OF THEIR ENDOSYMBIOTIC *CHLORELLA*.



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23-27 July 2007
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Session 7: "Microsporidia: Second United workshop on Microsporidia from invertebrate and vertebrate hosts"

- 96) M.A. Aliyev. PILOT STUDY ON MICROSPORIDIAN INFECTION OF TERRESTRIAL VERTEBRATES IN AZERBAIJAN.
- 97) A.V. Demyanov, O.I. Sokolova, V.A. Cama, A.A. Yakovlev, L. Xiao, Y.Y. Sokolova, S.O. Skarlato. OCCURENCE OF MICROSPORIDIA AND CRYPTOSPORIDIA IN STOOL SAMPLES FROM HIV POSITIVE PATIENTS WITH CHRONIC DIARRHEA IN BOTKIN CITY HOSPITAL (ST. PETERSBURG, RUSSIA).
- 98) Z. Kucerova, O.I. Sokolova, A.V. Demyanov, W.E. Secor. SURVEY FOR MICROSPORIDIOSIS IN HIV/AIDS PATIENTS IN ST. PETERSBURG, RUSSIA: SEROLOGICAL IDENTIFICATION.
- 99) M. Ovcharenko, V. Yurakhno, L. Shvezova. FIRST RECORD OF MICROSPORIDEAN INFECTION OF *MYXOBOLUS PARVUS* (MYXOZOA) FROM JAPAN SEA GREY MULLET *MUGIL SOIUY*.
- 100) W. Saksirisampant, J. Prownebon, M. Mungthin, S. Leelayoova (Thailand). GENOTYPE OF OPPORTUNISTIC PROTOZOA IN LATE-STAGE HIV-INFECTED THAI PATIENTS.
- 101) A.V. Simakova. ULTRASTRUCTURAL FEATURES OF SPOROGONY OF SOME MICROSPORIDIA PARASITIZING BLOOD-SUCKING MOSQUITOES IN SIBERIA.
- 102) Y.Y. Sokolova, V.V. Tetz. EFFECT OF «MICOBACTOVIR», A NEW BROAD-SPECTRUM FUNGICIDE, ON *ENCEPHALITOZOOM CUNICULI* REPLICATION *IN VITRO*.
- 103) Yu.S. Tokarev, Yu.M. Malysh, N.V. Munteanu, Yu.M. Fefelova, I.V. Senderskii. DIAGNOSIS OF MICROSPORIDIAN INFECTIONS IN ARTHROPOD HOSTS.
- 104) V.N. Voronin. MICROSPORIDIA OF CLADOCERANS: DISTRIBUTION AND LIFE CYCLES.
- 105) T.J. Wilkinson, J.E. Ironside. MICROSPORIDIAN DIVERSITY IN LAKE BAIKAL AND SURROUNDING WATERS.
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