

Dr. Alexander Kudryavtsev

Curriculum vitae

Date of birth: 31.01.1978

Nationality: Russian

Present address: Laboratory of Parasitic Worms and Protistology, Zoological Institute
Russian Academy of Science,
Universitetskaja nab. 1, 199034 Saint-Petersburg, Russia

Department of Invertebrate Zoology, Faculty of Biology and Soil Science,
Saint-Petersburg State University,
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Present position.

Senior researcher, Laboratory of Parasitic Worms and Protistology, Zoological Institute
Russian Academy of Science

Senior researcher, Department of Invertebrate Zoology, Faculty of Biology, Saint-
Petersburg State University

Current research topics:

1. Phylogeny of Amoebozoa based on morphological and gene sequence data.
2. Species problem and biogeography of amoebae.
3. Biodiversity and community composition of amoeboid protists in the deep-sea and other extreme environments.

Current teaching:

1. Molecular techniques in zoology, practical course (zoology master students; Spring semester)
2. Techniques of light and electron microscopy (zoology master students; Spring semester)
3. Summer practical course in invertebrate zoology (biology 1st year bachelor students)
4. Supervision over PhD thesis of E. N. Volkova (Department of Invertebrate Zoology, St. Petersburg State University). Thesis title: "Biodiversity, systematics and phylogeny of the genera *Paramoeba* and *Neoparamoeba* and related taxa" (2014-2018).

Essential laboratory skills.

1. Collection, isolation and culturing of various protozoa from natural samples. Maintenance of the culture collection.

2. Conventional light microscopy, video and immunofluorescence microscopy. Basics of confocal laser scanning microscopy.
3. Full range of techniques for sample preparation and observation using transmission and scanning electron microscopy; microphotography and digital processing of the images.
4. DNA and RNA purification using various protocols, PCR amplification, cloning and Sanger sequencing of DNA fragments. DNA/RNA analysis using blot hybridization. Sequence alignment and phylogenetic analysis, operation of phylogeny reconstruction software.

Language skills.

1. Russian (mother language).
2. German and English: fluent.
3. French: reading.

On-going research projects.

2015-2018: "Complex revision of the amoeboid protists' biodiversity on the territory of Russian Federation", grant No 15-29-02749 from the Russian Foundation for Basic Research (grant holder)

Education and professional experience.

Professional experience:

December 2010-April 2012: postdoc, Molecular Systematics Group, Department of Genetics and Evolution, University of Geneva, under the supervision of Prof. Dr Jan Pawlowski; project title: "Barcoding amoebae" (grant IZLR Z3_128338 from Science and Technology Cooperation Programme Switzerland – Russia)

November 2008-October 2010: postdoc, Protozoology Research Group, Institute for Biology/Zoology, Free University of Berlin, under the supervision of Prof. Dr K. Hausmann; project title: "Deep-sea protozoa communities" (DFG grant HA 818/22-1)

November 2007-September 2008: postdoc, Molecular Systematics Group, Department of Zoology and Animal Biology, University of Geneva, under the supervision of Prof. Dr Jan Pawlowski; project title: "Molecular phylogeny of Amoebozoa and Rhizaria"

January 2004-October 2007: assistant professor, then senior lecturer, Department of Invertebrate Zoology, Faculty of Biology & Soil Science, Saint-Petersburg State University

Education:

08.04.2004: PhD degree in biology (zoology) at Saint-Petersburg State University, thesis title "Biodiversity, systematics and phylogeny of the order Himatismenida Page, 1987 (Rhizopoda)"

2001-2003: PhD student of the Department of Invertebrate Zoology, Faculty of Biology & Soil Sci., Saint-Petersburg State University

27.11.2000: MSci degree in biology (zoology) at Saint-Petersburg State University, thesis title: "On the systematics of the order Himatismenida Page, 1987 (Rhizopoda, Lobosea): an attempt of revision" (result: excellent)

1998-2000: MSci student of the Department of Invertebrate Zoology, Faculty of Biology & Soil Sci., Saint-Petersburg State University

1994-1998: Undergraduate student of the Faculty of Biology & Soil Science of Saint-Petersburg State University

1985-1994: Secondary school education; graduated from Anichkov Lyceum of the Saint-Petersburg Palace of Youth Creativity in 1994

International training visits, fellowships and schools:

October 20-November 13, 2016: Research visit to the Department of General Ecology, University of Cologne, Germany; experimental study of baroresistance in the species of deep-sea amoebae.

August 24-25, 2013: Workshop on habitat mapping (working with PRIMER and ArGIS software), National University of Ireland, Galway, Ireland.

August 6-17, 2012: International summer school on computational phyloinformatics ComPhy 2012, Moscow, Russia

August 2007-September 2007: Protozoology Research Group, Institute for Biology/Zoology, Free University of Berlin, under the supervision of Prof. Dr K. Hausmann; project title: "Cell surface ultrastructure and the diversity of movement patterns in Flabellinea (Amoebozoa)"; supported by the DAAD fellowship A/07/09265

October 2005-July 2006: Protozoology Research Group, Institute for Biology/Zoology, Free University of Berlin, under the supervision of Prof. Dr K. Hausmann; project title: "Investigation of the mechanisms of movement in *Cochliopodium* spp. (Lobosea, Himatizmenida)"; supported by the DAAD fellowship A/05/00103

August 2002-December 2002: Laboratory for Molecular systematics and Animal Evolution, Faculty of Biology and Pharmacy, university of Leipzig, under the supervision of Prof. Dr M. Schlegel; project title: "Phylogeny of the genus *Cochliopodium* on the basis of 18S rRNA sequence data"

October 2001-March 2002: Department of Cell Biology, Institute for Zoology, university of Tübingen under the supervision of Prof. Dr D. Ammermann. Project title: "Transcription regulation in *Stylonichia* (Ciliophora, Hypotricha)"; supported by DAAD grant 325/lin

July 2001: Research training on the methods of molecular biology at the Department of General Zoology, Institute for Zoology, university of Kiel under the supervision of Prof. Dr T. Bosch. Supported by Leonard Euler Fellowship from DAAD

Field work experience:

2016: Piip2016 expedition on board the Russian research vessel "Akademik M.A. Lavrentyev" (Vladivostok, Russia); collection of protists from the hydrothermal biotopes of the Piip underwater volcano (Bering Sea, Pacific Ocean)

2015: SOkhoBio expedition on board the Russian research vessel "Akademik M.A. Lavrentyev" (Vladivostok, Russia); collection of protists from the Sea of Okhotsk deep-sea bottom sediment samples

2014: Red Sea research Center (King Abdullah University of Science and Technology, Saudi Arabia); collection of protists from the Red Sea bottom sediments off the Saudi Arabian coast

2010: SoJaBio expedition on board the Russian research vessel “Akademik M.A. Lavrentyev” (Vladivostok, Russia); collection of protists from the Sea of Japan deep-sea bottom sediment samples

2009: DIVA3 expedition on board German research vessel METEOR (July, 10; Montevideo, Uruguay – August, 23; Ponta Delgada, The Azores); collection of protists from the Atlantic Ocean deep-sea bottom sediment samples

November 2007, May 2008: marine research station Villefranche-sur-mer (France); collection of radiolarians for phylogenomic research

1997-2001 and from 2013 onwards: Regular research visits to the Marine Biological station of the Saint-Petersburg State University and White Sea Biological (Chupa Inlet, Kandalaksha Bay, The White Sea); collection of marine and brackish-water protists. Annually, 2 - 8 weeks during Summer

Accomplished research projects.

2015-2017: “Size does matter: nanoamoebae and the reconstruction of the evolutionary development of Amoebozoa”, grant No 15-04-06239 from the Russian Foundation for Basic Research (grant holder)

2015-2017: “Examining the macroevolutionary trajectories in Amoebozoa, a major lineage of eukaryotes”, US National Science Foundation award No 1456054 (CoPI in collaboration with Dr. Matthew W. Brown, Mississippi State University, USA and Prof. Frederick Spiegel, University of Arkansas, USA)

2014-2016: Member of the research group working on the project “Main evolutionary pathways of the mitochondrial genomes in Amoebozoa” supported by the grant No 14-14-00474 from the Russian Science Foundation, provided to Dr A. V. Smirnov (Department of Invertebrate Zoology, Faculty of Biology, St. Petersburg State University)

2013-2014: Holder of the grant No 12-04-33229 from the Russian Foundation for Basic Research, project title: “Biodiversity of naked lobose amoebae (Amoebozoa) in deep-sea habitats”

2012-2014: Holder of the grant No 12-04-01835 from the Russian Foundation for Basic Research, project title: “Taxonomic revision, phylogenetic analysis and morphospecies structure in the order Himatizmenida (Amoebozoa incertae sedis)”

2010-2012: Member of the research group working on the project “Barcoding amoebae” supported by the cooperative grant No IZLR Z3_128338 from Science and Technology Cooperation Programme Switzerland – Russia, provided to Prof. Dr J. Pawlowski (Molecular Systematics Group, Department of Genetics and Evolution, University of Geneva)

2009-2011: Member of the research group working on the project “Biodiversity, population structure and species problem among naked lobose amoebae” supported by the grant No 09-04-01749 from the Russian Foundation of Basic Research, provided to Dr A. V. Smirnov (Department of Invertebrate Zoology, Faculty of Biology & Soil Sci., St. Petersburg State University)

2006-2008: Member of the research group working on the project “Toward a new system of lobose amoebae” supported by the grant No 06-04-49387 from the Russian Foundation of Basic Research, provided to Dr A. V. Smirnov (Department of Invertebrate Zoology, Faculty of Biology & Soil Sci., St. Petersburg State University)

2005-2008: Member of the research group working on the project “Molecular systematics of amoeboid protists” supported by the cooperative grant No IB73A0-111064 from the Swiss National Science Foundation (SCOPES program), provided to Prof. Dr J.

Pawlowski (Molecular Systematics Group, Department of Zoology and Animal Biology, University of Geneva)

2007: Holder of the grant No PD07-1.4-143 from the St. Petersburg Committee of Science and Higher Education (Government of Saint-Petersburg), project title: "Diversity of amoebae of Cochliopodiidae (Amoebozoa) in the Lahta Bay and marsh habitats of Yuntolovo protected area: perspectives for biomonitoring"

2005-2006: Holder of the grant No 05-04-49000 from the Russian Foundation for Basic Research, project title: "Systematic revision, inference of the phylogenetic relations and elaboration of the new system of the order Himatistenida Page, 1987 (Lobosea)"

2003-2005: Member of the research group working on the project "Investigation of the spatial microstructure of the natural habitats and elaboration of new model of the global- and local-scale distribution of protozoan species", supported by the grant No 03-04-48718 from the Russian Foundation of Basic Research, provided to Dr A. V. Smirnov (Department of Invertebrate Zoology, Faculty of Biology & Soil Sci., St. Petersburg State University)

2003-2004: Member of the research group working on the project "Systematics and phylogeny of amoeboid protists", supported by the grant No E02-6.0-78 from the Ministry of Education of Russia provided to Prof. Dr S. A. Karpov (Department of Invertebrate Zoology, Faculty of Biology & Soil Sci., St. Petersburg State University)

1999-2002: Member of the research group working on the project "Morphology, ecology and evolution of the Protozoa and their symbiotic systems with Prokaryota", supported by the grant for promotion of leading scientific schools from Russian Ministry of Science, High School and Technical Politics, provided to Prof. Dr L. N. Seravin (Biological Research Institute of Saint-Petersburg State University)

1998-1999: Member of the research group working on the project "Evaluation of the ecological role of gymnamoebae (Rhizopoda, Gymnamoebia) in freshwater benthic communities", supported by the grant No 99-04-49838 from the Russian Foundation of Basic Research, provided to Dr A. V. Smirnov (Department of Invertebrate Zoology, Faculty of Biology & Soil Sci., St. Petersburg State University)

Presentations.

Invited talks:

2016: - A. Kudryavtsev. "Deep-sea Amoebozoa". Ecological Colloquium at the University of Cologne, November, 4.

2011: - A. Kudryavtsev. "Phylogenetic relationships and genetic structure of morphospecies in *Cochliopodium* (Amoebozoa: Himatistenida): implications for the species problem in amoebae". Ecological Colloquium at the University of Cologne, June, 29.

2009: - A. Kudryavtsev. "Phylogeny of Cochliopodiidae and other Amoebozoa". Workshop on Molecular Systematics of Amoebozoa and Rhizaria, Geneva, Switzerland. January, 12-13.

- A. Kudryavtsev. "Environmental sequencing using Cox1 gene". Workshop on Molecular Systematics of Amoebozoa and Rhizaria, Geneva, Switzerland. January, 12-13.

Contributed talks:

2018: - A. Kudryavtsev, E. Volkova, A. Gladkikh, S. Živaljić, E. Völcker, S. Clauß, H. Arndt, J. Pawlowski. "Naked lobose amoebae (Amoebozoa) from marine habitats: implications of comparative data on their occurrence in deep and shallow habitats". 22nd International Symposium of Evolutionary Protistology, Drousia, Cyprus. May, 27–June, 1.

2017: - A. Kudryavtsev, A. Gladkikh, L. Shmakova, E. Volkova, S. Clauß, E. Völcker. "A revision of the Himatismenida (Amoebozoa): cell coat evolution and scale structure paradoxes in *Cochliopodium*". 15th International Congress of Protistology, Prague, Czech Republic, July, 30–August, 4.

2014: - A. Kudryavtsev, E. Volkova. "Amoebozoa in deep-sea environments". 49th European Marine biology Symposium, St. Petersburg, Russia. September, 8-12.

2013: - A. Kudryavtsev. "Diversity of protozoa (with emphasis on Amoebozoa) from deep-sea sediment samples collected by two expeditions to Atlantic Ocean and the Sea of Japan". 48th European Marine biology Symposium, Galway, Ireland. August, 19-23.

- A. Kudryavtsev, A. Glotova and A. Smirnov. "The smaller, the earlier? The most early-branching species are the smallest ones in Himatismenida and Vannellida (Amoebozoa, Lobosa)". 14th International Congress of Protistology, Vancouver, Canada. July, 28 – August, 3.

2012: - A. Kudryavtsev. "DNA barcoding as a tool for species identification in naked lobose amoebae (Amoebozoa)." 2nd Protist Workshop at Eawag, Dübendorf, Switzerland. March, 15.

- A. Kudryavtsev and J. Pawlowski. "Phylogenetic relationships of the Himatismenida and taxonomy of Amoebozoa." 31st Annual Meeting of the German Society for Protozoology, Wuppertal, Germany. February, 29 - March, 3.

- A. Kudryavtsev, A. Smirnov and J. Pawlowski. "Phylogeny and DNA barcoding of the Himatismenida based on three genes". Protist 2012: 19th International Symposium on Evolutionary Protistology and 62nd meeting of International Society of Protistologists, Oslo, Norway. July, 29 - August, 3.

2011: - A. Kudryavtsev, A. Smirnov and J. Pawlowski. "Cytochrome oxidase subunit 1 (COI) as potential DNA barcode for lobose amoebae: application in the study of biogeography and genetic structure of amoebae morphospecies." 4th International Barcode of Life Conference, Adelaide, Australia. November, 30 - December, 3.

- A. Kudryavtsev and J. Pawlowski. "Genetic structure of amoebozoan morphospecies: a case study on freshwater *Cochliopodium* spp." VI European Congress of Protistology, Berlin, Germany. July, 25-29.

- A. Kudryavtsev, J. Pawlowski and K. Hausmann. "Expanding our knowledge of Amoebozoa: Atlantic and Pacific deep-sea amoebae from two expeditions – phylogenetic and taxonomic implications". VI European Congress of Protistology, Berlin, Germany. July, 25-29.

2010: - A. Kudryavtsev, J. Pawlowski and K. Hausmann. "Diversity of Amoebozoa in deep-sea samples from the western Atlantic – A preliminary report". 29th Annual Meeting of the German Society for Protozoology, Düsseldorf, Germany. March, 17-20.

2009: - A. Kudryavtsev, J. Pawlowski and K. Hausmann. "Species diversity and phylogeny of the family Microchlamyidae Ogden, 1985 (Amoebozoa, Arcellinida)". 5th International Symposium on Testate Amoebae, Montbéliard, France. September, 14-17.

- A. Kudryavtsev, J. Pawlowski and K. Hausmann. "Small-subunit ribosomal DNA of *Thecamoeba verrucosa* (Ehrenberg, 1838) (Amoebozoa, Thecamoebidae) and the phylogenetic relationships of Acanthamoebidae". 13th International Meeting on the Biology and Pathogenicity of Free-living Amoebae, Puerto de la Cruz, Tenerife, Spain. May, 17-21.

- A. Kudryavtsev. "SSU rDNA and ultrastructure of Cochliopodiidae, *Thecamoeba* and *Pellita*: implications for phylogeny of Discosean amoebae". 28th Annual Meeting of the German Society for Protozoology, Naumburg (Saale), Germany. February, 25-28.

2008: - A. Kudryavtsev and J. Pawlowski. "Phylogeny of the genus *Cochliopodium* (Amoebozoa) based on ultrastructure and gene sequence data." 59th Meeting of the International Society of Protistology/17th International Symposium on Evolutionary Protistology, Halifax, Canada. July, 21-26.

2007: - A. Kudryavtsev and K. Hausmann. "Locomotion and F-actin distribution in flabellinean amoebae of Cochliopodiidae, *Flamella* and *Pellita* (Amoebozoa)." V European Congress of Protistology and XI European Conference on Ciliate Biology. Saint-Petersburg, Russia. July, 23-27.

2006: - "Morphological diversity of the genus *Cochliopodium* (Himatismenida): how to put it in order?" 25th Annual Meeting of the German Society for Protozoology, Liebenwalde (Berlin), Germany. March, 8-11.

2000: "Diversity of Himatismenida from freshwater and marine habitats of North-Western Russia". 38 International Conference of Students, Novosibirsk, Russia. March, 24-27.

Poster presentations:

2016: - E. Volkova, A. Kudryavtsev. "Morphological and molecular investigation of marine Paramoebidae (Amoebozoa, Dactylopodida)". EMBO/EMBL Symposium "A New Age of Discovery for Aquatic Microeukaryotes", Heidelberg, Germany. January, 26-29.

2015: - A. Kudryavtsev and A. Gladkikh. "The genus *Cochliopodium* Hertwig et Lesser, 1874 (Amoebozoa, Discosea): phylogenetic relationships, current state of taxonomy and further challenges". 7th European Congress of Protistology, Sevilla, Spain. September, 5-10.

2012: - A. Kudryavtsev and J. Pawlowski. "Himatismenida Page, 1987 (Amoebozoa) is a proper taxonomic home for *Parvamoeba* Rogerson, 1993: morphological and molecular evidence". Protist 2012: 19th International Symposium on Evolutionary Protistology and 62nd meeting of International Society of Protistologists, Oslo, Norway. July, 29 - August, 3.

2011: - A. Kudryavtsev and J. Pawlowski. "Genetic diversity of the morphospecies in Amoebozoa analysed using several molecular markers". EMBO Conference "Comparative genomics of eukaryotes", Sant Feliu de Guixols, Spain. October, 15-20.

2010: - A. Kudryavtsev, J. Pawlowski and K. Hausmann. "Amoebozoa in deep-sea samples from the western Atlantic revealed by the DIVA3 expedition on board RV METEOR". 12th International Deep-Sea Biology Symposium, Reykjavik, Iceland. June, 6-11.

- K. Hausmann and A. Kudryavtsev. "Auf den Spuren von Ernst Haeckel: Plankton aus dem Oberflächenwasser des Süd-West-Atlantik". 29th Annual Meeting of the German Society for Protozoology, Düsseldorf, Germany. March, 16-19.

2008: - A. Kudryavtsev, C. Wylezich, M. Schlegel, J. Walochnik and R. Michel. "Ultrastructure and molecular phylogeny of the genus *Flamella* Schaeffer, 1926 (Amoebozoa)." 25th Annual Meeting of the German Society for Protozoology, Rostock Warnemünde, Germany. March, 5-8.

2007: - "A higher species diversity in the family Microchlamyidiidae Ogden, 1985 (Amoebozoa, Testacealobosia): two new species of the genus *Spumochlamys* Kudryavtsev and Hausmann, 2007." V European Congress of Protistology and XI European Conference on Ciliate Biology. Saint-Petersburg, Russia. July, 23-27.

- A. Kudryavtsev and K. Hausmann. "An unusual combination of light- and electron-microscopical features in "*Thecamoeba*" *verrucosa* (Ehrenberg, 1838) (Amoebozoa)." V European Congress of Protistology and XI European Conference on Ciliate Biology. Saint-Petersburg, Russia. July, 23-27.

2006: - "Morphology and ultrastructure of a new species of *Microchlamys* (Testacealobosia, Microchlamyidae) from Central Asia." International Symposium on Testate Amoebae, Antwerp, Belgium. September, 12-14.

- A. Kudryavtsev and K. Hausmann. "Locomotion and F-actin distribution in *Cochliopodium* sp. (Amoebozoa, Himatismenida)." 25th Annual Meeting of the German Society for Protozoology, Liebenwalde (Berlin), Germany. March, 8-11.

2002: "Is it reasonable to include *Cochliopodium* and *Gocevia* (Rhizopoda, Lobosea, Himatismenida) in one order?" 21st Annual Meeting of the German Society for Protozoology, Konstanz, Germany. February, 27-March, 2.

2001: "On the species composition of *Cochliopodium* (Lobosea, Himatismenida) - a diverse, but "missing" group of amoebae". 9th International Congress of Protozoology, Salzburg, Austria. July, 15-19.

Personal grants and awards.

2004: Grant for the "Young Scientists" from St. Petersburg Committee of Higher Education and Culture

2003: Title "G. Soros PhD Student" and the scholarship from G. Soros Foundation

2002: - Honourable scholarship from the Government of Russia

- Title "G. Soros PhD Student" and the scholarship from G. Soros Foundation

2001: - 2nd prize from the Saint-Petersburg Society of Naturalists at the Competition of diploma and MSc works, maintained at Saint-Petersburg State University in 2000-2001 academic year

- Leonard Euler fellowship from the DAAD

- Grant for the "Young Scientists" from Saint-Petersburg Committee of Higher Education and Culture

2000: Grant for the "Young Scientists" from St. Petersburg Committee of Higher Education and Culture

- N. Malchevsky scholarship from the Saint-Petersburg Society of Naturalists

- Title "G. Soros Student" and the scholarship from G. Soros Foundation

1999: Grant for the "Young Scientists" from St. Petersburg Committee of Higher Education and Culture

Publications (listed chronologically).

Peer-reviewed papers:

1. Kudryavtsev A. A., 1999. Description of *Cochliopodium larifeili* n. sp. (Lobosea, Himatismenida), an amoeba with peculiar scale structure, and notes on the diagnosis of the genus *Cochliopodium* (Hertwig and Lesser, 1874) Bark, 1973. *Protistology*, 1, 66-71.
2. Kudryavtsev A. A., 1999. The first isolation of *Cochliopodium gulosum* Schaeffer, 1926 (Lobosea, Himatismenida) since its initial description. I. Light-microscopical investigation. *Protistology*, 1, 72-75.

3. Kudryavtsev A. A., 2000. The first isolation of *Cochliopodium gulosum* Schaeffer, 1926 (Lobosea, Himatismenida) since its initial description. II. Electron-microscopical study and redescription. *Protistology*, 1, 110-112.
4. Kudryavtsev A. A., 2000. Fauna of Himatismenida Page, 1987 (Rhizopoda, Lobosea) in Keret' Archipelago (Kandalaksha Bay, The White Sea) with notes on taxonomy of the order. *Vestnik SPbGU (Proc. of the Saint-Petersburg State University)*, 2 (11), 76-77. (In Russian, with English summary)
5. Kudryavtsev A. A., 2001. Freshwater himatismenids (Rhizopoda, Lobosea) from the bottom sediments of the lake at Srednii Island (Chupa Inlet, Kandalaksha Bay, the White Sea). *Vestnik SPbGU (Proc. of the Saint-Petersburg State University)*, 4 (27), 10-11. (In Russian, with English summary)
6. Kudryavtseva A. V., Kudryavtsev A. A., 2001. Salinity tolerance of several species of lobose amoebae (Rhizopoda, Lobosea). *Vestnik SPbGU (Proc. of the Saint-Petersburg State University)*, 4 (27), 6-9. (In Russian, with English summary)
7. Kudryavtsev A. A., 2004. Description of *Cochliopodium spiniferum* sp. n., with notes on the species identification within the genus *Cochliopodium*. *Acta Protozool.*, 43, 345-349.
8. Kudryavtsev A., Brown S., Smirnov A., 2004. *Cochliopodium barki* n. sp. (Rhizopoda, Himatismenida) re-isolated from soil 30 years after its initial description. *Eur. J. Protistol.*, 40, 283-287.
9. Kudryavtsev A., 2005. Redescription of *Cochliopodium vestitum* (Archer, 1871), a freshwater spine-bearing *Cochliopodium*. *Acta Protozool.*, 44, 123-128.
10. Kudryavtsev A., Bernhard D., Schlegel M., Chao E. E-Y., Cavalier-Smith T., 2005. 18S ribosomal RNA gene sequences of *Cochliopodium* (Himatismenida) and the phylogeny of Amoebozoa. *Protist*, 156, 215-224.
11. Smirnov A.V., Kudryavtsev A.A., 2005. Pellitidae n. fam. (Lobosea, Gymnamoebia) – a new family, accommodating two amoebae with an unusual cell coat and an original mode of locomotion, *Pellita catalonica* n.g., n.sp. and *Pellita digitata* comb. nov. *Eur. J. Protistol.*, 41, 257-268.
12. Kudryavtsev A., Smirnov A., 2006. *Cochliopodium gallicum* n. sp. (Himatismenida), an amoeba bearing unique scales from cyanobacterial mats in the Camargue (France). *Eur. J. Protistol.*, 42, 3-7.
13. Kudryavtsev A., 2006. "Minute" species of *Cochliopodium* (Himatismenida): description of three new fresh- and brackish-water species with a new diagnosis for *Cochliopodium minus* Page, 1976. *Eur. J. Protistol.*, 42, 77-89.
14. Kudryavtsev A., Hausmann K., 2007. *Spumochlamys iliensis* n. g. n. sp. (Testacealobosia, Microchlamyidae) from Central Asia, with notes on the diversity of *Microchlamys*-like testate amoebae. *Eur. J. Protistol.*, 43, 185-191.
15. Kudryavtsev A., Wylezich C., Schlegel M., Walochnik J., Michel R., 2009. Ultrastructure, SSU rRNA gene sequences and phylogenetic relationships of *Flamella* Schaeffer, 1926 (Amoebozoa), with description of three new species. *Protist*, 160, 21-40.
16. Kudryavtsev A., Pawlowski J., Hausmann K., 2009. Description and phylogenetic relationships of *Spumochlamys perforata* n. sp. and *Spumochlamys bryora* n. sp. (Amoebozoa, Arcellinida). *J. Euk. Microbiol.*, 56, 495-503.
17. Kudryavtsev A., Hausmann K., 2009. *Thecamoeba aesculea* n. sp. (Amoebozoa, Thecamoebidae), a terrestrial amoeba with affinities to *Th. sphaeronucleolus* (Greeff, 1891). *Acta Protozool.*, 48, 91-96.

18. Burki F., Kudryavtsev A., Matz M.V., Aglyamova G.V., Bulman S., Fiers M., Keeling P.J., Pawlowski J., 2010. Evolution of Rhizaria: new insights from phylogenomic analysis of uncultivated protists. *BMC Evolutionary Biology*, 10, 377.
19. Kudryavtsev A., Wylezich C., Pawlowski J., 2011. *Ovalopodium desertum* n. g. n. sp. and the phylogenetic relationships of Cochliopodiidae (Amoebozoa). *Protist*, 162, 571-589.
20. Kudryavtsev A., Pawlowski J., Hausmann K., 2011. Description of *Paramoeba atlantica* n. sp. (Amoebozoa, Dactylopodida) – a marine amoeba from the Eastern Atlantic, with emendation of the dactylopodid families. *Acta Protozool.*, 50, 239-253.
21. Kudryavtsev A., 2012. Microscopic evidence for inclusion of *Parvamoeba* Rogerson, 1993 into the order Himatismenida (Amoebozoa). *Europ. J. Protistol.*, 48, 85-88.
22. Pawlowski J., Audic S., Adl S., Bass D., Belbahri L., Berney C., Bowser S. S., Cepicka I., Decelle J., Dunthorn M., Fiore-Donno A. M., Gile G. H., Holzmann M., Jahn R., Jirku M., Keeling P. J., Kostka M., Kudryavtsev A., Lara E., Lukes J., Mann D. G., Mitchell E. A. D., Nitsche F., Romeralo M., Saunders G. W., Simpson A. G. B., Smirnov A. V., Spouge J. L., Stern R. F., Stoeck T., Zimmermann J., Schindel D., de Vargas C., 2012. CBOL Protist Working Group: barcoding eukaryotic richness beyond the animal, plant, and fungal kingdoms. *PLoS Biology*, 10, e1001419.
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