

Biological Faculty
Lomonosov Moscow State University
A.N. Severtsov Institute of Ecology and Evolution of the Russian Academy of Sciences
A.A. Borisyak Paleontological Institution of the Russian Academy of Sciences

Conference and Workshop

“Evolutionary and Functional Morphology of Vertebrates”
dedicated to Felix Yanovich Dzerzhinsky (1937-2015)

“Every morphological character is already a fact”

F.Ya. Dzerzhinsky

26 September - 2 October 2017

Zvenigorod Biological Station of Biological Faculty of Lomonosov Moscow State University
(Odintsovo District, Moscow Region, Russia 143092)

First Circular

2017 is the year of the 80th birthday anniversary of Felix Yanovich Dzerzhinsky, honored Professor of Lomonosov Moscow State University, eminent morphologist, evolutionist, and teacher. The conference “Evolutionary and Functional Morphology of Vertebrates” and the Workshop in Functional and Evolutionary Morphology of Vertebrates will be dedicated to his memory. Morphology (i.e., the study of the structure and adaptations of organisms), like no other discipline, enables the reconstruction of the evolutionary history of living beings based on changes in the form and function of their organs. The combined analytic resources of functional morphology and comparative anatomy, as well as of modern methods, provide the basis for solving various biological problems.

Oral and poster contributions related to the following topics are welcome:

- Morphology, biomechanics, and evolution of the muscle-bone system of vertebrates
- Functional morphology of the integument and its derivatives of vertebrates
- Comparative anatomy and evolution of the inner organs (viscera) of vertebrates
- Evolutionary morphology of the nervous system and sensory organs of vertebrates
- Evolutionary embryology, evolution of ontogenetic and morphogenetic mechanisms of vertebrates
- Evolutionary paleontology of vertebrates.

Proposals for the topics of sessions and round-table discussions are invited.

Workshop in Vertebrate Morphology

The goal of the planned workshop is for students, post-graduates, and young scientists to be exposed to modern studies in vertebrate evolutionary and functional morphology.

Lectures will be presented by leading morphologists from the Lomonosov Moscow State University, the Paleontological Institute of the Russian Academy of Sciences, the A.N. Severtsov Institute of Ecology & Evolution, the St. Petersburg State University, the Zoological Institute RAS, and other universities and institutions of the Russian Academy of Sciences and from abroad.

Workshop lead by the distinguished scientists will provide the participants with the modern morphological methods. Students and graduate students can find here topics for their future research, including for their Ph.D. project.

If you want to be a lecturer at the workshop or willing to lead the lab class, please send a separate application with the short outline of your lecture/lab class to **morphology@list.ru** before March 1, 2017. The final lecture/lab classes program will be determined by the Organizing Committee.

Organizing Committee

Chair of the Committee:

Leonid Petrovich Korzun, Dr. Habil., Chief of the Zoology Dept., Biological Faculty, Lomonosov Moscow State University.

Co-Chairs:

Valery Mikhailovich Gavrilov, Dr. Habil., Chief of the Zvenigorod Biological Station, Biological Faculty, Lomonosov Moscow State University

Viacheslav Vladimirovich Rozhnov, Academician, Chief of A.N. Severtsov Institution of Ecology and Evolution of the Russian Academy of Sciences,

Sergey Vladimirovich Rozhnov, Academician, Chief of Paleontological Institution of the Russian Academy of Sciences.

Secretary of the Conference and the Workshop:

Vladimir Valdimirovich Shakhparonov

Phone: +7926-360-17-17 morphology@list.ru

Technical Secretary:

Nadezhda Victorovna Kryukova

conf.tech.supp@gmail.com

Members of the Organizing Committee: V.V. Gavrilov, K.B. Gerasimov, M.Ya. Goretskaya, T.B. Golubeva, N.V. Zelenkov, A.V. Zinoviev, E.N. Zubkova, M.V. Kalyakin, N.V. Kulikova, V.A. Makarov, A.V. Moiseeva, A.B. Popovkina, E.G. Potapova, N.A. Formozov.

Participation, registration, deadlines

Oral and poster contributions are accepted. All participants will get Certificates of Attendance. Conference papers will be published.

Registration fee is paid on site (at the registration desk at the conference venue). Full and reduced (for students and postgraduates) registration fees will be announced in the second circular (March-April 2017).

For updated information on the Conference and Workshop please see

http://zmmu.msu.ru/morphology/dzer_conf-2017.htm

Registration

- **Regardless of the type of your attendance at the Conference and the Workshop, please register online:** <https://docs.google.com/forms/d/e/1FAIpQLSdbI9QGi-25--VP9AIa0Z9lsc-8r7ZGnbFZodxVS5WSCI4HRw/viewform>

Important! Confirmation of your registration will be sent to you by e-mail. If you do not receive it, please send the filled registration form (see attachment at the end of this document) to morphology@list.ru.

Registration deadline – March 1, 2017.

Organizing Committee reserves the right to reject applications, which do not match the topics of the Conference.

Extended abstract

Upon receiving confirmation of the registration you are welcome to send your extended abstract to **morphology@list.ru**.

Please save the text file as doc, docx or rtf. It should not exceed five A4 pages, including the references. The margins are 2,5 cm wide, font – Times New Roman of 12 pt (without styles) 1.0-spaced (up to 20 500 characters (including spaces)). Figures, black and white photos and tables can be included, but they must not exceed one page. Please send illustrations in separate 300 dpi. files (png, jpg, tif, gif, pcx, bmp).

Deadline for the abstract submission is July 1, 2017.

Please format your abstract in accordance with the following example

CONNECTIVE TISSUE NETWORK OF THE BAT WING MEMBRANE

V.A. Makarov¹, A.A. Panyutina², I.B. Soldatova¹

¹ *Lomonosov Moscow State University, Moscow, Russia*

² *Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences, Moscow, Russia*

e-mail: [of the corresponding author]

Body of the thesis. Body of the thesis. Body of the thesis. Body of the thesis. Body of the thesis.
Body of the thesis. Body of the thesis. Body of the thesis. Body of the thesis. Body of the thesis.
Body of the thesis. Body of the thesis. Body of the thesis. Body of the thesis. Body of the thesis.

In-text citations: Severtsov (1932), several authors (Severtsov, 1932; Brown, Smith, 1941), Brown, Smith, (Brown, Smith, 1941), (Kryzhanovsky *et al.*, 1995).

Sample references:

Books and chapters

- *Wells K. D.*, 2007. The ecology and behavior of amphibians. Chicago: University of Chicago Press. 1148 p.
- *Angus R.B.*, 1992. Insecta: Coleoptera: Hydrophilidae: Helophorinae // *Süsswasserfauna von Mitteleuropa*. V. 20/10–2. Stuttgart–Jena–New-York: Gustav Fischer Verlag. 144 p.
- *Tchesunov A.V.*, 2013. Order Desmodorida De Coninck, 1965 // *Handbook of Zoology*.

Gastrotricha, Cycloneuralia, Gnathifera. Schmidt-Rhaesa A. (Ed.). V. 2: Nematoda. Berlin–Boston: De Gruyter. P. 399–434.

Full papers

- *Carey H.V., Andrews M.T., Martin S.L., 2003. Mammalian hibernation: cellular and molecular responses to depressed metabolism and low temperature // Physiol. Rev. V. 83. P. 1153–1181.*

Abstracts and conference proceedings

- *Rinaldi C., 1995. A new technique for assessing the incremental growth of rodent incisors // Proc. 10th Intern. Sympos. on Dental Morphology. Berlin: “M” Marketing Services. P. 190–194. – 1999. A record of hibernation in the incisor teeth of recent and fossil marmots (*Marmota flaviventris*) // Proc. 11th Intern. Sympos. on Dental Morphology. Oulu, Finland: Oulu University Press. P. 112–119.*

Electronic sources:

- *Makarov K.V., Kryzhanovskiy O.L., Belousov I.A., Zamotajlov A.S., Kabak I.I., Kataev B.M., Shilenkov V.G., Matalin A.V., Fedorenko D.N., 2004. Taxonomical list of ground beetles (Carabidae) of Russia. [Online publication]. Available: http://www.zin.ru/Animalia/Coleoptera/eng/car_rus.htm [Accessed 21 December 2016]*

Venue of the Conference and Workshop

The Conference and Workshop will be held at Zvenigorod Biological Station of Lomonosov Moscow State University in one of the most scenic places of Moscow Region, about 60 km from Moscow (<http://zbs.bio.msu.ru/>).



Accommodation and Meals

Apartments on the Station will be provided free of charge. The breakfast, lunch, and dinner will be served in the dining hall of the Station. Vegetarian menu is available.

Conference Tours

The following post-conference tours are planned to be organized:

- (1) areas of autumn aggregations of migrating birds in Moscow Region (Lotoshino Fish Farm, Biserovo Fish Farm, Vinogradovo Floodplain);
- (2) tours to the Nature Refuge “Zvenigorod Biological Station and Sima peatbog” will bring you the beauty of nature of Moscow Region;
- (3) the tour to Savvino-Storozhevsky Monastery.

Detailed information on the tours will be provided on the conference website.

REGISTRATION FORM

1. First, middle (if present) and last names
2. Email
3. Phone number (including country code)
4. Affiliation
 - **Sample:** Department of Vertebrate Zoology, Biological Faculty, Lomonosov Moscow State University, Leninskie Gory, 1-12, Moscow 119234 Russia
5. Position
 - Student
 - Postgraduate student
 - PhD
 - Professor
 - Other
6. Do you plan to participate in the Conference and the Workshop, or only in one of these events? Please choose from the list below:
 - Conference and Workshop
 - Conference
 - Workshop
7. Type of contribution
 - Oral presentation
 - Poster
 - Attendance with no contribution
8. The title of the oral/poster presentation
 - 8.a. ***The Organizing Committee would highly appreciate receiving a brief summary (a few lines) of your presentation, which will facilitate compilation of the scientific programme.***
9. Relevant topic(s)
 - Morphology, biomechanics, and evolution of the muscle-bone system of vertebrates
 - Functional morphology of the integument and its derivatives of vertebrates
 - Comparative anatomy and evolution of the inner organs (viscera) of vertebrates
 - Evolutionary morphology of the nervous system and sensory organs of vertebrates
 - Evolutionary embryology, evolution of ontogenetic and morphogenetic mechanisms of vertebrates
 - Evolutionary paleontology of vertebrates.

Important! If your co-authors plan to attend the conference, please ask each of them to fill in the registration form.