

Program of the International Conference



**MARINE BIOLOGY, GEOLOGY,
OCEANOLOGY: INTERDISCIPLINARY
RESEARCH AT MARINE STATIONS**

80th anniversary of the

Nikolai Pertsov White Sea Biological Station

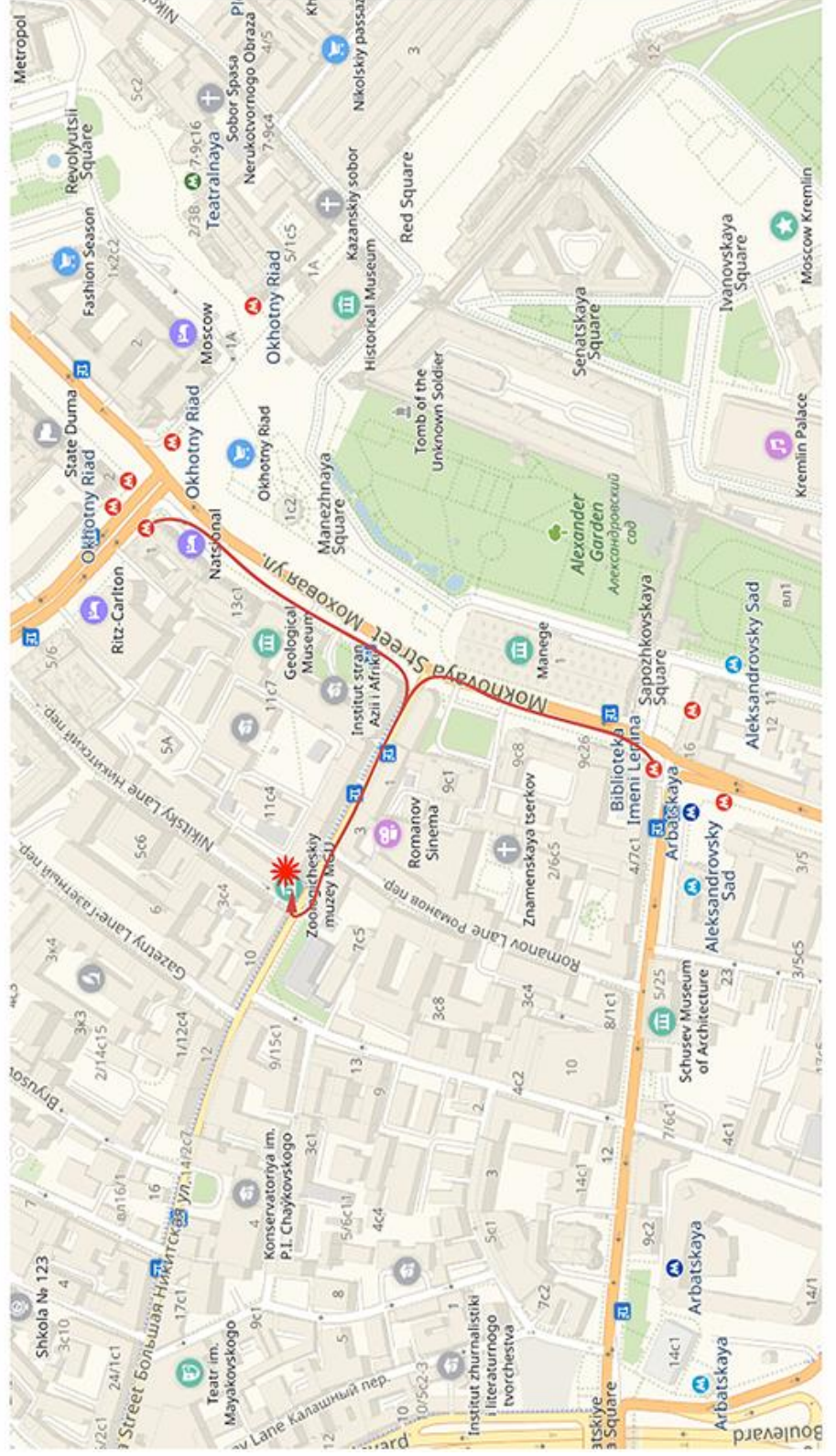
NOVEMBER 19-21

MOSCOW, 2018.

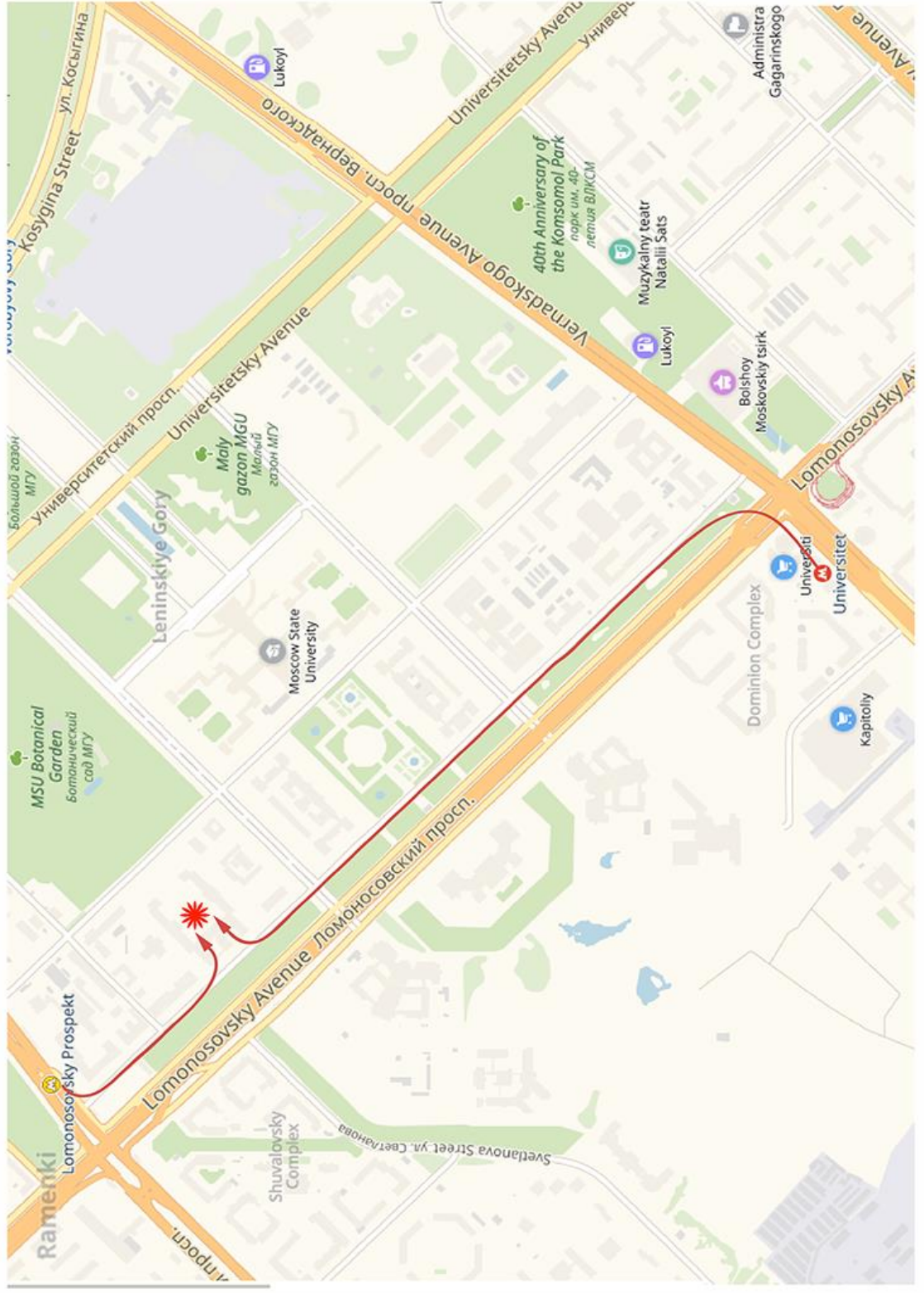
Short program

NOVEMBER 19	Zoological Museum of Moscow State University		
	CONFERENCE HALL	SMALL HALL	
9:00	Registration		
9:30	Opening ceremony		
9:40-11:20	Plenary session		
11:20-11:45	Coffee break		
11:45-13:15	Taxonomy and Phylogeny		
13:15-14:25	Lunch		
14:25-16:00	Developmental biology and regeneration	Interdisciplinary research	
16:00-16:30	Coffee break		
16:30-18:00	Developmental biology and regeneration	Interdisciplinary research	
18:00	Welcome party dedicated to the 80th anniversary of the Nikolai Pertsov White Sea Biological Station.		
NOVEMBER 20	Biology Faculty of Moscow State University		
	HALL M1	557	
9:00	Registration		
9:30-11:00	Poster session		
11:00-13:05	Biology of marine animals	11:00-13:20	Marine mycology, microbiology and algology
13:05-13:30	Coffee break	13:20-13:40	Coffee break
13:30-15:30	Physiology of marine animals		
15:30-17:00	Poster session and coffee break		
17:00	Ceremonial meeting		
NOVEMBER 21	P.P.Shirshov Institute of Oceanology		
	SMALL CONFERENCE HALL		
8:30	Registration		
9:00-10:40	Functional structure of marine species distribution ranges, and bitopes of marine communities. A session dedicated to 90-year anniversaries of C.V. Beklemishev and N.M. Voronina		
10:40-11:00	Coffee break		
11:00-12:40	Functional structure of marine species distribution ranges, and bitopes of marine communities		
12:40-14:00	Lunch		
14:00-15:40	Studies of biota and ecosystems of relict coastal lakes		
15:40-16:00	Coffee break		
16:00-18:00	Poster session and coffee break		

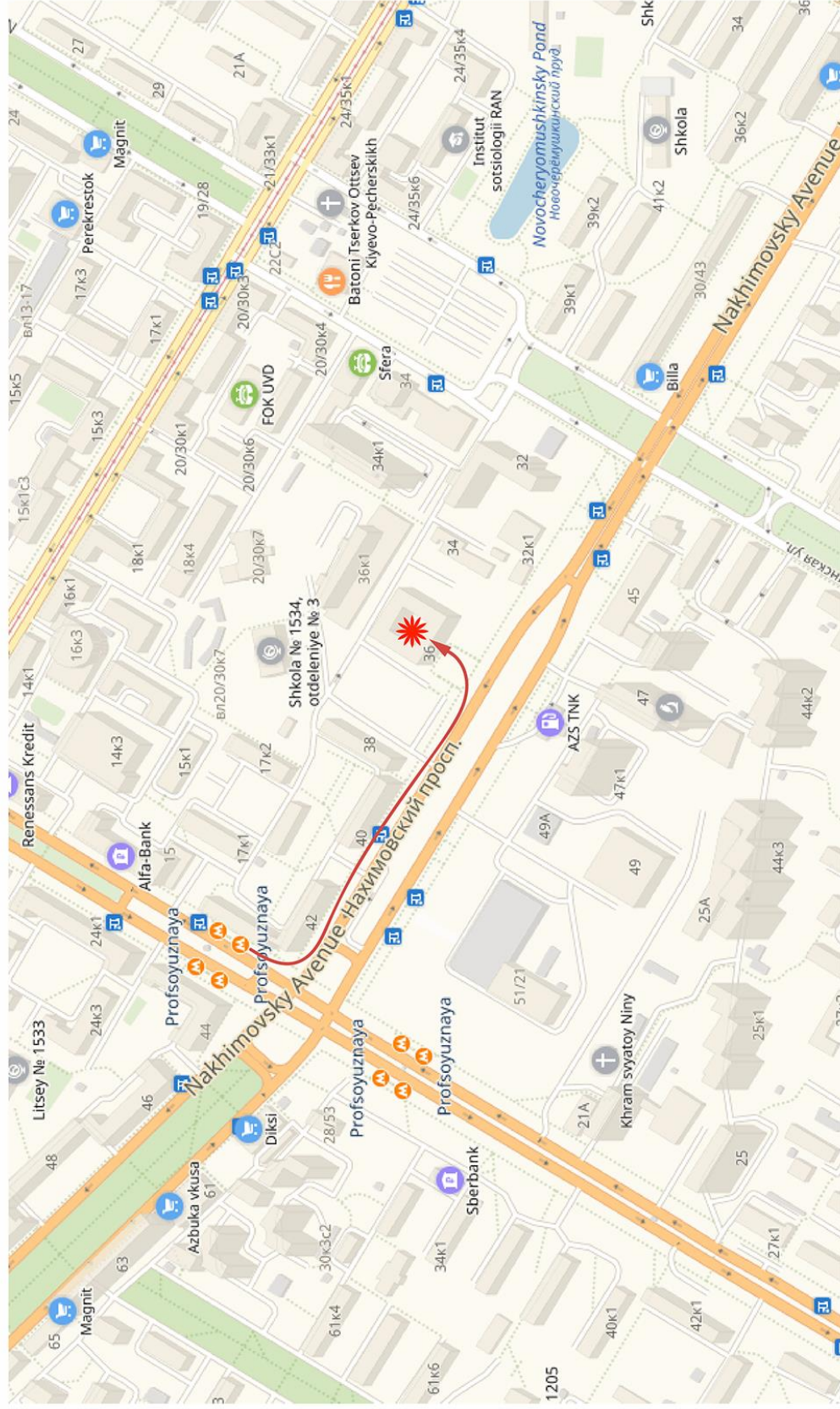
Zoological Museum of MSU



MSU faculty of Biology



P.P. Shirshov Institute of Oceanology



NOVEMBER 19

**Zoological Museum of Moscow State University
CONFERENCE HALL**

	09.00 - 09.30	Registration	
	09.30 - 09.40	Opening ceremony	
Plenary session <i>Chair: Alexander Tzetlin</i>			
1	09.40 - 10.00	M. Frost, H. Hummel, Pim van Avesaath, <u>Christos Arvanitidis</u>	MARS Network - The European Network of Marine Research Institutes and Stations: an account of its current status and the future strategy.
2	10.00 - 10.20	<u>Kseniya N. Kosobokova</u>	Results of 60-year investigation of zooplankton communities of the White Sea at the N.A. Pertsov White Sea Biological Station of MSU and directions of the future studies.
3	10.20 - 10.40	<u>Massimiliano Fenice</u>	Structure and diversity of the bacterial community in an insular estuarine area of Kandalaksha Bay is driven by tidal currents.
4	10.40 - 11.00	E. Eriksen, <u>Gro van der Meeren</u> , D. Prozorkevich,	From ecosystem monitoring to integrated assessment of the ecosystem.
5	11.00 - 11.20	<u>Artem Isachenko</u>	Review of the results of underwater landscapes and benthic communities mapping at the White Sea Biological Station.
	11.20 - 11.45	Coffee break	
Taxonomy and Phylogeny <i>Chairs: Anna Zhadan, Elena Vortsepneva</i>			
5	11.45 - 12.00	<u>Torsten H. Struck</u>	What are cryptic species? – A process-driven perspective.
6	12.00 - 12.15	<u>Christos Arvanitidis</u> , R.M.Warwick, P.J. Somerfield, Ch. Pavloudi, E. Pafilis, A. Oulas, G. Chatzigeorgiou, V Gerovasileiou, Th. Patkos, N. Bailly, F. Hernandez, B. Vanhoorne, L. Vandepitte W. Appeltans, K. Keklikoglou, E. Chatzinikolaou, N. Michalakis, I. Filiopoulou, E. Panteri, A. Gougousis, P. Bravakos, Ch. Christakis, P. Kassapidis, G. Kotoulas, A. Magoulas	Research Infrastructures and their collaborative potential in addressing challenging scientific questions at global scale.

7	12.15 - 12.30	<u>Tatiana Neretina</u> , G. Kolbasova, A.Tzetlin	Some features of the population structures of White Sea invertebrates species.
8	12.30 - 12.45	<u>Andrey A. Prudkovsky</u> , T.V. Neretina	Meroplankton of the white sea: identification of planktonic larvae using molecular tools.
9	12.45 - 13.00	<u>Alexey Yu. Rolskii</u> , V.S. Artamonova, A.A. Makhrov	Clarification of the taxonomic status of the White Sea redfish (genus <i>Sebastes</i>) by molecular genetic methods.
10	13.00 - 13.15	<u>Anna E. Zhadan</u> , T.V.Neretina	Cryptic species of <i>Scoloplos</i> gr. <i>armiger</i> (Orbiniidae, Annelida) in the White Sea.
13.15 - 14.25		Lunch	
Developmental biology and regeneration <i>Chairs: Nadezhda Rimskaya-Korsakova, Denis Nikishin</i>			
1	14.25 - 14.45	<u>Andreas Hejnol</u>	10 Years dispute about our most distant metazoan relatives - status quo and novel data from sponges and comb jellies.
2	14.45 - 15.00	<u>Denis A. Nikishin</u>	Functional activity of the serotonergic system in the early embryonic development of invertebrates.
3	15.00 - 15.15	T. Bagaeva, D. Kupaeva, A.Vetrova, I. Kosevich, Yu Kraus, <u>Stanislav Kremnyov</u>	Wnt/ β -catenin signaling in thecate colonial hydroids: changing one body plan to another.
4	15.15 - 15.30	<u>Ilya E.Borisenko</u> , Vitaly Kozin V, E.A.Filippova, D.Y. Krupenko	Repertoire of TGF-beta signaling pathway ligands in sponge <i>Halisarca dujardini</i> .
5	15.30 - 15.45	Uliana A. Nekliudova, D.Gruber, N. Cyran, <u>Andrew N. Ostrovsky</u>	Placental nourishment in cyclostome bryozoans.
6	15.45 - 16.00	<u>Elizaveta G. Fofanova</u> , T.D. Mayorova, E.E. Voronezhskaya	On Dinophilid neurogenesis.
16.00 - 16.30		Coffee break	
7	16.30 - 16.45	<u>Vitaly V. Kozin</u> , A.Yu. Shalaeva, N.A. Filippova, R.P.Kostyuchenko	How to build a polychaete larva? Natural history of the development and metamorphosis of <i>Alitta virens</i> (Annelida: Nereididae).
8	16.45 - 17.00	<u>Nadezhda Rimskaya-Korsakova</u> , Yu. Khramova, V.Emelyanenko, A.Prudkovsky	The larval development of <i>Ophelia limacina</i> (Sedentaria; Annelida).
9	17.00 - 17.15	<u>Elena V. Vortsepneva</u>	Development of <i>Testudinalia tesulata</i> (Mollusca, Gastropoda) in the White Sea.
10	17.15 - 17.30	<u>Ekaterina V. Bogomolova</u>	Larvae of the pycnogonid <i>Nymphon brevirostre</i> Hodge, 1863: way of life and behavior.

11	17.30 - 17.45	<u>Alexander V. Ereskovsky</u> , I.B. Borisenko, A.I. Lavrov, F.V. Bolshakov, D.B. Tokina	Regeneration in sponges (Porifera): comparative investigation.
12	17.45 - 18.00	<u>Andrey I. Lavrov</u> , F.V. Bolshakov, D.B. Tokina, A.E. Ereskovsky	Regeneration in calcareous sponges (Calcarea, Porifera) of the White Sea.
18:00	Welcome party dedicated to the 80th anniversary of the Nikolai Pertsov White Sea Biological Section.		

NOVEMBER 19			
Zoological Museum of Moscow State University			
SMALL HALL			
Interdisciplinary research			
<i>Chairs: Romanenko Fedor, Tokarev Mikhail</i>			
1	14.30 - 14.45	<u>I.A. Repina</u>	Study of the interaction of the atmosphere and surface in the coastal zone of the White Sea in winter.
2	14.45 - 15.00	<u>Dina P. Starodimova</u>	Release of heavy metals and elemental carbon from the atmosphere to the White Sea.
3	15.00 - 15.15	<u>Elena N. Poludetkina</u> , S.R. Korost, O. Vidischeva, E. Kislitsina	The results of geochemical studies of organic matter and gases in the sediments of the White Sea.
4	15.15 - 15.30	<u>Valerii Gainanov</u> , M. Tokarev, E. Birukov, A. Potemka	Equipment and technology of the very high resolution seismic survey in the White Sea
5	15.30 - 15.45	<u>Tatjana Yu. Repkina</u> , A.R. Alyautdinov, D.V. Korzinin, N.N. Lugovoy, F.A. Romanenko, A.L. Entin	Evolution of the relief of coasts according to large-scale geomorphological mapping of the bottom and coast in the vicinity of the Pertsov WSBS (Kandalaksha Bay, White Sea).
6	15.45 - 16.00	<u>Natalia I. Kosevich</u> , Ali R. Alyautdinov, Maria A. Novikova	GIS "White Sea islands: Geology and Geomorphology".
16.00 - 16.30		Coffee break	
7	16.30 - 16.45	<u>Fedor A. Romanenko</u>	Student practice of geomorphologists on White Sea Biological Station: history and development.
8	16.45 - 17.00	<u>A.G. Roslyakov</u> , S.R. Korost	Student practice of lithologists on White Sea Biological Station.
9	17.00 - 17.15	<u>Ali R. Alyautdinov</u>	Student practice cartographers on WSBS.
10	17.15 - 17.30	M. Yu. Tokarev, <u>Vera V. Ivanova</u> , A.S. Pirogova, Ya.E. Teryuchina	Student practice of geophysicists at WSBS 2013-2018.

11	17.30 - 17.45	D.D. Agapitov, D.V. Korost, E.N. Poludetkina, <u>Mikhail Yu. Tokarev</u> , N.V. Shabalin	Advanced training for specialists of oil companies in geology, geophysics and ecology.
12	17.45 - 18.00	<u>N.L.Frolova</u> , E.D.Krasnova, L.E. Efimova	Complex studies of the White Sea coast water bodies during summer practices and winter student expeditions.
18:00	Welcome party dedicated to the 80th anniversary of the Nikolai Pertsov White Sea Biological Section.		

NOVEMBER 20			
Biology Faculty of Moscow State University			
	09.00 - 09.30	Registration	
	09.30 - 11.00	Poster session	
HALL M1			
Biology of marine animals			
<i>Chairs: Igor Kosevich, Alexander Tzetlin</i>			
1	11.00 - 11.20	<u>Vladimir V. Malakhov</u> , M.M. Gantsevich, N.P. Karaseva, N.N. Rimskaya- Korsakova	History of study, current status and practical significance of Siboglinidae as possible indicators of underwater hydrocarbon deposits.
2	11.20 - 11.35	<u>Alejandro Martínez Garcia</u>	Cave colonization and morphological change: annelids as a case of study.
3	11.35 - 11.50	Mohd-Salleh, Nadia Azeera, Ahmad-Fadzil, Nur Dalia Natasya, <u>Izwandy Idris</u>	Habitat characteristics of tropical Christmas tree worms, <i>Spirobranchus corniculatus</i> from Pulau Bidong, South China Sea.
4	11.50 - 12.05	<u>Grigory A. Kolbasov</u> , A.S. Petrunina, A.A. Prudkovskiy	Secrets of the White Sea crustaceans.
5	12.05 - 12.20	<u>Elizaveta V.Naduvaeva</u> , E.V. Vortsepneva	Visualization of locomotion of sedimentary invertebrates of the Kandalaksha Bay of the White Sea.
6	12.20 - 12.35	<u>Viktor V.Andrianov</u> , A.A., Lebedev T.Yu. Lisitsina	Supervision of white whales (<i>Delphinapterus leucus</i>) in Kandalaksha Bay.
7	12.35 - 12.50	<u>Maria I Tylets</u> , M.A.Daugavet, T.G.Shaposhnikova	Localization of the p48 protein from the morular blood cells <i>Styela</i> <i>rustica</i> (family Styelidae) in the tissues of the ascidians of the White and Japanese Seas.
8	12.50 - 13.05	<u>Nikolay N. Marfenin</u>	Hydroid "automata" - an example of self-organization of a modular organism.
	13.05 - 13.30	Coffee break	

Physiology of marine animals <i>Chair: Denis Abramochkin</i>		
1	13.30 - 13.45	<u>Olga P.Balezina</u> Comparative analysis of motor innervation in axial musculature of vertebrates.
2	13.45 - 14.00	<u>Matti Vornanen</u> Significance of electrical excitability in thermal tolerance of fish heart.
3	14.00 - 14.15	<u>Tatiana Filatova, Denis Abramochkin</u> Adaptations of ectothermic animals dwelling at high latitudes.
4	14.15 - 14.30	<u>Marina A.Vaykshnorayte, V.A.Vityazev, Ja. E.Azarov</u> Depolarization and repolarization of the ventricular myocardium in Atlantic cod (<i>Gadus morhua</i>).
5	14.30 - 14.45	<u>Mikhail A. Gonotkov, I.A. Kosevich, V.A. Golovko</u> Pharmacological sensitivity of transmembrane action potential's morphology of myoepithelial cells in the spontaneously beating heart of ascidia <i>Styela rustica</i> in vitro.
6	14.45 - 15.00	<u>Tatiana B.Golubeva, Elena V. Korneeva</u> The role of the types of ontogeny, the formation of endothermy and acoustic stimulation in the development of hearing and behavior in birds.
7	15.00 - 15.15	<u>Maria Skazina, Anastasia Gagarina, Petr Strelkov</u> The agreement between physiological and "mitochondrial" sex of blue mussels <i>Mytilus edulis</i> and <i>M. trossulus</i> under effects of hybridization and introgression in northern Europe.
8	15.15 - 15.30	<u>Denis V. Abramochkin</u> Renaissance of physiological research at White Sea Biological Station of MSU in 2007-2018.
15.30 - 17.00		Poster session and coffee break
17.00		Ceremonial meeting

NOVEMBER 20		
Biology Faculty of Moscow State University		
	09.00 - 09.30	Registration
	09.30 - 11.00	Poster session
AUDITORIUM 557		
Marine mycology, microbiology and algology <i>Chairs: Ekaterina Bubnova, Andrey Shestakov, Liliya Gavrilova</i>		
1	11.00 - 11.20	<u>Ekaterina Bubnova, O. Grum-Grzhimailo</u> What we know about the fungi of the Arctic seas.
2	11.20 - 11.35	<u>Anna A. Kublanovskaya, K.A. Chekanov, E.S. Lobakova</u> Analysis of cyanobacterial component of the algal-bacterial consortia of the supralittoral baths on the coast of Kandalaksha Bay of the White Sea by metagenomic and microscopic methods.

3	11.35 - 11.50	<u>A. L. Ponomareva</u> , M.S. Bakunin, Eskova A.I., A.V. Kim, R.B. Shakirov, A.I. Obzhirov	Trophic interactions between bacteria, heterotrophic Protozoa and bacteriophages in epipelagial of the Sea of Japan.
4	11.50- 12.05	E.A. Bogatyrenko, <u>Aleksandra V. Kim</u> , T.I. Dunkai, I.O.Yunusova, L.S.Buzoleva	Assessment of biological safety of the bacterial strains as potential probiotics of the Far East sea cucumber <i>Apostichopus japonicus</i> .
5	12.05 - 12.20	<u>Daria A. Todorenko</u> , E.D. Krasnova, D.N. Matorin	Study of the functional state of the photosynthetic apparatus of phytoplankton in the separated water bodies on the White Sea coast by using fluorescence methods.
6	12.20 - 12.35	<u>Leyla Aleskerova</u> , K. Alenina, E. Efremenko, A.Ismailov	Luminous bacteria from the White Sea.
7	12.35 - 12.50	K.A. Chekanov, <u>A.A. Kublanovskaya</u> , Anvar Ismailov, E.S.Lobakova	Diversity of the luminous bacteria in the White Sea.
8	12.50 - 13.05	<u>S.Yu.Kozlova</u> , A.I. Lavrov, L.A.Gavirova, A.I. Shestakov	New method for long-term maintenance of the sponges <i>Halisarca dujardini</i> under controlled microbial conditions.
9	13.05 - 13.20	<u>Liliya A. Gavirova</u> , A.I. Shestakov	Biotechnology potential of <i>Thiocapsa roseopersicina</i> strain BBS.
	13.20 - 13.40	Coffee break	
	15.30- 17.00	Poster session and coffee break	
	17.00	Ceremonial meeting	

NOVEMBER 20 Poster session		
Taxonomy and Phylogeny		
1	Mitochondrial diversity in calanoid copepods from Nordic seas.	<u>P.A. Dzhelali</u> , A.V.Gagarina, M.A.Skazina, N.V. Polyakova, P.P.Strelkov
2	Chaetae of the White Sea Nephtyidae (Annelida: Polychaeta).	<u>Nataliya Yu.Dnestrovskaya</u>
3	Cryptic diversity of genus <i>Leucosolenia</i> (Porifera: Calcarea) of the White and Barents Seas.	<u>Irine Ekimova</u> , Fernanda Azevedo, Andrey Lavrov, Alexander Ereskovsky.
4	Genetic structure of Atlantic and Pacific populations of some nudibranch species (Gastropoda: Nudibranchia).	<u>Irina Ekimova</u> , Anton Chichvarkhin, Anna Mikhlina, Tatiana Antokhina, Dimitry Schepetov
5	Nemerteans of the White Sea.	<u>I.A.Cherneva</u> , I.A. Ekimova, D.M. Schepetov, T.V.Neretina, V.V. Malakhov
6	Morphology of genital structures in calanoid copepods.	<u>D.Yurikova</u>

Developmental biology and regeneration		
1	Regulation of oral-aboral axis specification during <i>Dynamena pumila</i> (Linneus, 1758) development.	<u>Alexandra Vetrova</u> , T.Bagaeva, Y. Kraus, S. Kremnyov
2	The ability of calcareous sponges (Calcarea, Porifera) to develop from dissociated cells.	<u>Veronika S. Frolova</u> ¹ , Andrey I. Lavrov ²
3	Cell proliferation dynamics during regeneration and larval development of the White Sea polychaete <i>Alitta virens</i> : method development and first results.	<u>Alexandra Yu. Shalaeva</u> , Ilya E. Borisenko, Roman P. Kostyuchenko, Vitaly V. Kozin
4	Regeneration of White Sea sponge <i>Halichondria siliens</i> .	<u>Aleksandra S. Koynova</u> , A.E. Vishnyakov, A.V. Ereskovsky
5	New data on the formation, growth and segmentation of the regenerative bud of nereid polychaetes (Annelida: Errantia).	Alexander G. Melentiy, Alexandra Yu. Shalaeva, Elena L. Novikova, Milana A. Kulakova, Roman P. Kostyuchenko, <u>Vitaly V. Kozin</u>
Biology of marine animals		
1	Synoptic scale volatility of flow in reference to <i>Delphinapterus leucas</i> occurrence and distribution behaviour in the Southern Laptev Sea.	<u>Alina Alexandrova</u> , I. Shilov, D. Glazov
2	The role of crustaceans of the genus <i>Daphnia</i> in the zooplankton communities of the rock baths of the Keretsky islands (White Sea).	<u>N.V.Polyakova</u> , A.I Starkov, I.A. Stogov
3	Different ways of hydrant formation in Thecate and Athecate hydroids.	<u>Fyodor Bolshakov</u> , Igor Kosevich.
4	Ontogenetic development of the buccal musculature and armature in nudibranch mollusc <i>Eubbranchus rupium</i> (Møller, 1842).	<u>Anna Mikhлина</u> , I. Ekimova, A.Tzetlin, E.Vortsepneva
5	Spicules networks of the dorid mollusks (Gastropoda, Nudibranchia).	<u>E.Nikitenko</u> , E.Vortsepneva
6	New data on organization of White Sea phoronid <i>Phoronis ovalis</i> .	<u>Elena N. Temereva</u>
7	The kinetid of <i>Ministeria vibrans</i> and its importance for the reconstruction of the ancestor of Metazoa.	<u>I. R. Pozdnyakov</u> , S. A. Karpov
8	Tubes and other constructions of marine worms.	<u>Altxander Tzetlin</u> , <u>Taniana Scherbakova</u>
Marine mycology, microbiology and algology		
1	New data on dinophyta of the Laptev Sea.	<u>A.A. Georgiev</u> , M.L Georgieva.

2	Alkalitolerant filamentous fungi inhabiting the coastal zone of Svalbard.	<u>M.L. Georgieva</u> , S.A. Bondarenko, E.N. Bubnova, E.N. Bilanenko
3	Fungi of the littoral sediments of the Shokalsky island in the Kara Sea.	<u>Ekaterina Bubnova</u> , Olga Grum-Grzhimailo, I. Maximova, D.Nikitin
4	Research of microorganisms' capability to grow and decompose hydrocarbons in marine conditions at low temperatures.	<u>M.I. Rusanova</u> , L.A.Gavirova, A.I.Shestakov
5	Fungi link age of the lakes in the WSBS area	<u>O.A. Grum-Grzhimaylo</u> , A.A. Grum-Grzhimaylo, A.J.M. Debets, E.N. Bilanenko
Ecology		
1	Environmental influence on the growth and transport system in colonial hydroid <i>Dynamena pumila</i> (Linnaeus, 1758).	<u>Vitaly S. Dementyev</u> , Nikolay N. Marfenin
2	Population status of <i>Zostera marina</i> L. in the Ruzozerskaya Bay area of the White Sea.	<u>N.V. Lyubeznova</u>
3	Distribution and population structure of two co-occurring species of <i>Pseudocalanus</i> in the White Sea.	<u>Olga V.Vorobyeva</u> , D.A.Yurikova, E.A.Ershova
4	Luciferase of the syllid polychaete <i>Odontosyllis undecimdonga</i> .	<u>Alexey Kotlobay</u> , Darrin Schultz, Ekaterina Shakhova, Ilia Yampolsky, Yuichi Oba
5	Plant size affects epibiosis on red algae <i>Phycodrys rubens</i> in Velikaya Salma strait (Kandalaksha bay, the White sea).	<u>Alexandra Chava</u> , Anna Artemyeva, Eugene Yakovis
6	The influence of some factors of the marine environment on the formation of polycultural biofilms by saprotrophic bacteria and <i>Listeria monocytogenes</i> .	<u>A.I. Eskova</u> , L.S.Buzoleva, A.L Ponomareva.
8	The first record of <i>Thalassiosira angulata</i> (Bacillariophyceae) bloom in the White Sea.	<u>I.G.Radchenko</u> , V.P.Shevchenko, M.D.Kravchishina, A.L.Tchultsova, L.V.Ilyash
9	The elemental composition of lichens in the vicinity of N.A. Pertsov White Sea Biological Station of M.V. Lomonosov Moscow State University (north-west coast of the Kandalaksha Bay of the White Sea).	<u>V.P. Shevchenko</u> , D.P Starodymova, O.V. Maksimova, N.V.Kucheruk

NOVEMBER 21**P.P.Shirshov Institute of Oceanology
SMALL CONFERENCE HALL**08.30 -
09.00 **Registration****Functional structure of marine species distribution ranges, and bitopes of marine communities***Chair: Vasily Spiridonov*

1	09.00 - 09.20	<u>Vasily A. Spiridonov</u>	Populations communities and biotas in changing marine environment: dynamics of the concepts of C.W. Beklemishev and N.M. Voronina.
2	09.20 - 09.40	<u>Anatoly N. Pantiulin</u>	The White Sea from pier of WSBS.
3	09.40 - 10.00	<u>Mikhail A. Novikov</u> , D.Yu. Blinova, M.N. Kharlamova	The development of the ideas about the frontal zones in the Barents Sea based on the concept of the ecotone biocenoses (using new examples).
4	10.00 - 10.20	<u>Mikhail V.Pereladov</u>	The dynamics of biotopes. Reasons and methodological consequences.
5	10.20 - 10.40	<u>Andrey I. Azovsky</u> , Yu.A. Mazei, D.V., Tikhonenkov L.A. Garlitskaya, E.S.Chertoprud	Role of geographical and environmental factors in determining a regional composition of the World Ocean micro- and meiofauna.

10.40 -
11.00**Coffee break**

6	11.00 - 11.20	<u>Andrey A.Vedenin</u> , S.V., Galkin, A.N. Mironov, A.V. Gebruk	Depth zonation of bottom fauna in Siberian Arctic.
7	11.20 - 11.40	<u>V.L. Syomin</u> , O.L. Zimina, D. Piepenburg, K. von Juterzenka.	Vertical distribution of macrozoobenthos in the sediments' profile at the Laptev Sea shelf.
8	11.40 - 12.00	G.A.Kolyuchkina, V.N. Kokarev, V.L. Semin, I.K. Lyubimov, A.B. Basin	The spatial structure of Notherneast Black Sea coast macrozoobenthos: biological traits analysis.
9	12.00 - 12.20	<u>V.A. Spiridonov</u> , A.K.Zalota	Marine biotopes and potential biological resources of the Arctic.

12.20 -
12.40*Meeting dedicated to C.W. Beklemishev*12.40 -
14.00**Lunch****Studies of biota and ecosystems of relict coastal lakes***Chair: Elena Krasnova*

1	14.00-14.20	<u>M.Yu. Gorbunov</u> , Umanskaya M.V., Bykova, S.V.	Bacteriochlorophylls, bacteria and ciliates in small lakes separating from the White Sea.
2	14.20 - 14.40	<u>O.N. Lunina</u> , A.S. Savvichev, E.D. Krasnova, N.M. Kokryatskaya, D.A.Voronov, M.A. Letarova, V.M.Gorlenko	Seasonal Variations in Community Structure of Anoxygenic Phototrophic Bacteria From the Meromictic Lake Trekhtsvetnoe (Kandalaksha Bay, White Sea).
3	14.40 - 15.00	<u>O.S. Shilova</u>	Diatoms in surface sediments of Trekhtzvetnoe Lake.
4	15.00 - 15.20	<u>Elena D. Krasnova</u> , A.N. Vassilenko, D.A. Voronov, B.A. Efimiov, N.M. Kokryatskaya, A.I.V. Kossenkov, S.V. Patsaeva, M.L Dedyk., N.L. Frolova, P.P. Strelkov	New data on Lake Mogilnoe (Kildin Island, Barents Sea): results of the 2018 expeditions.
15.40-16.00		Coffee break	
16.00-18.00		Poster session and coffee break	

NOVEMBER 21 Poster session

Functional structure of marine species distribution ranges, and bitopes of marine communities

1	Distribution of bivalves in the Barents Sea in the different environmental conditions.	<u>D.Yu. Blinova</u> , I.E. Manushin
2	Impacts of bottom trawling on megabenthos communities of the Barents Sea.	<u>D.V. Zakharov</u> , N.A. Strelkova, I.E. Manushin, T.B. Nosova
3	Species composition and quantitative distribution of Peracarida in the northern part of the Barents Sea.	<u>O.L. Zimina</u>
4	Study of the trophic structure of the bottom community in the subtidal zone of the Kislaya bay with the analysis of stable isotopes of nitrogen and carbon.	<u>A.K. Zalota</u> , V.A. Spiridonov, V.O. Mokievsky, F.V.Sapozhnikov, A.B.Tzetlin
5	Timing of gonad maturation and reproduction of two calanoid copepods Calanus finmarchicus and C. glacialis in a high-Arctic fjord.	<u>K.N.Kosobokova</u> , M.Daase, J.Sorejde

Studies of biota and ecosystems of relict coastal lakes

1	Depth distribution of bacteriochlorophyll from green sulphur bacteria in the Trekhtzvetnoe, Bolshie Khruslomeny lakes and the lagoon on the cape Zeleny in September 2018.	<u>P.Emelyantsev</u> , A. Zhiltsova, D.Kharitonov, M.Freidkin, E. Krasnova, D. Voronov, P. Svetlana
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2	Studies of the small-scale distribution of microorganisms in the chemocline of coastal stratified reservoirs separated from the White Sea.	Dmitry A.Voronov, Elena D. Krasnova
3	The phenomenon of feeding of cladocers <i>Bosmina longirostris</i> on anoxygenic phototrophic bacteria from chemocline in the meromictic lake Trekhtzvetnoe (Rugozerskaya Bay, Kandalaksha Gulf, White Sea).	Elena D. Krasnova, Anna A.Zhiltsova, Svetlana V. Patsaeva
4	Seasonal changes in the spectral and physico-chemical characteristics of water from the separating lakes of the Kandalaksha Bay of the White Sea.	<u>A. Zhiltsova</u> , P. Emelyantsev, E. Krasnova, D. Voronov, A. Kharcheva, S. Patsaeva
5	Metagenomic analysis of the eukaryotic microbiota of the meromictic lakes on the coast of Kandalaksha Bay of the White Sea.	<u>Sergey V. Isaev</u> , Dmitry A. Voronov, Tatyana V.Neretina, Maria D. Logacheva, Elena D.Krasnova
6	Observations of the population of <i>Ophioglossum vulgatum</i> L. around the Sour-Sweet lake.	<u>M.V.Mardashova</u> , A.V. Kosenkov, V. Lokteva, A. Aphentyeva, I. Agaphonov, D. Smolentseva, A. Ivanova, G.A. Proensa, E. Yakovleva, A. Kilina, A. Azarov, Y. Koschenko, M. Amisimov, D.Ravinsky, L.Spirichina, A. Smirnov, L. Menshinina, D.A. Voronov, E.D. Krasnova
7	Benthos of the subtidal zone of the Kislaya Bay (White Sea, Kandalaksha Bay).	<u>M.V. Mardashova</u> , V. Lokteva, A. Aphentyeva, I. Agaphonov, D. Smolentseva, A. Ivanova, G.A. Proensa, E. Yakovleva, A. Kilina, A. Azarov, Y. Koschenko, M. Amisimov, D. Ravinsky, L. Spirichina, A. Smirnov, L. Menshinina, D.A. Voronov, E.D. Krasnova
8	Features of vertical stratification and distribution of Dissolved organic matter in the lake Bolshie Hkruslomeny.	<u>O.M. Gorshkova</u> , D.A. Voronov, A.A. Zhiltsova, E.D. Krasnova, S.V. Patsaeva, I.A. Chernova

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