

## **Sergei V. Turanov**

**A.V. Zhirmunsky Institute of Marine Biology  
of the Far Eastern Branch  
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### **EDUCATION**

*Candidate of Sciences*, Genetics/Ichthyology  
A.V. Zhirmunsky Institute of Marine Biology  
of the Far Eastern Branch of the Russian  
Academy of Sciences, Vladivostok

October 2010 - October 2013

*Specialist*, Ichthyology  
Far Eastern State Technical  
Fisheries University, Vladivostok

September 2005 - June 2010

### **PROFESSIONAL EXPERIENCE**

*A.V. Zhirmunsky Institute of Marine Biology of the Far Eastern Branch of the Russian Academy of Sciences, Vladivostok*

Laboratory of Molecular Systematics

- Researcher
- Junior researcher

June 2015 - present  
May 2012 - June 2015

Laboratory of Genetics

- Junior researcher
- Laboratory assistant

October 2010 - May 2012  
June 2009 - October 2010

*Korea Institute of Ocean Science and Technology,  
Ansan, Republic of Korea*

Marine Molecular Genetics Lab

- Research Assistant

June, November 2012

### **RESEARCH**

#### *Research Interests*

Ichthyology, molecular phylogenetics and systematics of aquatic organisms, DNA barcoding, species delimitation and delineation techniques, mitochondrial genomics of noncoding regions.

## Publications

- Zemnukhov V.V., Barabanshchikov E.I., **Turanov S.V.** Synodontidae (Pisces: Aulopiformes), a new family for Fauna of Russia. Russian Journal of Marine Biology. Vol. 42, No. 3, pp. 279-280. - June, 2016.
- Zvyagintsev A.Yu., Samanyan K.E., **Turanov S.V.**, Kartavtsev Yu.Ph. The colonial ascidia *Didemnum vexillum* Kott, 2002 - an alien species in Peter the Great Bay (Sea of Japan). Russian Journal of Biological Invasions. Vol. 9, No. 2, pp. 49-58. - April, 2016.
- **Turanov S.V.**, Kartavtsev Yu.Ph., Lee Y.-H., Jeong D. Molecular phylogenetic reconstruction and taxonomic investigation of eelpouts (Cottoidei: Zoarcales) based on *Co-1* and *Cyt-b* mitochondrial genes. Mitochondrial DNA Part A. DOI:10.3109/24701394.2016.1155117 - March, 2016.
- **Turanov S.V.**, Kartavtsev Yu.Ph., Lipinsky V.V., Zemnukhov V.V., Balanov A.A., Lee Y.-H., Jeong D. DNA-barcoding of perch-like fishes (Actinopterygii: Perciformes) from far-eastern seas of Russia with taxonomic remarks for some groups. Mitochondrial DNA Part A. Vol. 27, No. 2, pp. 1188-1209. - March, 2016.
- **Turanov S.V.**, Kartavtsev Yu.Ph. The Taxonomic Composition and Distribution of Sand Lances from the Genus *Ammodytes* (Perciformes: Ammodytidae) in the North Pacific. Russian Journal of Marine Biology. Vol. 40, No. 6, pp. 447-454. - December, 2014.
- Chereshev I.A., Radchenko O.A., Petrovskaya A.V., Zemnukhov V.V., Moreva I.N., **Turanov S.V.** On the Record of Fedorov's Eelpout (*Zoarces fedorovi*, Zoarcidae), off Western Kamchatka. Journal of Ichthyology. Vol. 54, No. 4, pp. 293-296. - August, 2014.
- Radchenko O.A., Chereshev I.A., Petrovskaya A.V., Balanov A.A., **Turanov S.V.** Position of the Genus *Azygopterus* (Stichaeidae, Perciformes) in the System of the Suborder Zoarcoidei as Inferred from Sequence Variation of Mitochondrial and Nuclear Genes. Russ. J. Genetics. Vol. 50, No. 3. pp. 280-287. - June, 2014.
- **Turanov S.V.**, Kartavtsev Yu.Ph., Zemnukhov V.V. Molecular phylogenetic study of several eelpout fishes (Perciformes, Zoarcoidei) from Far Eastern seas on the basis of the nucleotide sequences of the mitochondrial cytochrome oxidase 1 gene (*Co-1*). Russ. J. Genetics. Vol. 48, No. 2, pp. 208-233. - February, 2012.
- Zemnukhov V.V., **Turanov S.V.** First Catch in Russian Waters of a Spinulated Specimen of *Lobotes surinamensis* (Bloch, 1790) (Percoidae: Lobotidae) with Notes on Taxonomy of this Species. Journal of Ichthyology. Vol. 51, No. 1, pp. 84-89. - January, 2011.

## Papers Under Review

- Chernyshev A.V., Polyakova N.E., **Turanov S.V.**, Kajihara H. Taxonomy and phylogeny of *Lineus torquatus* and allies (Nemertea, Lineidae) with descriptions of a new genus and a new cryptic species. Systematics and Biodiversity.
- Kartavtsev Yu.Ph., Than V.K., **Turanov S.V.** A facility for fish rearing with experimental needs. Fisheries ("Rybnoye khozyaystvo", in Russian)
- Nedunoori A., **Turanov S.V.**, Kartavtsev Yu.Ph. Investigation of fish product mislabeling at the markets of the Russian Far East using DNA barcoding techniques. Food Chemistry.
- Zvyaginsev A.Yu., Dautova T.N., **Turanov S.V.**, Kartavtsev Yu.Ph. The jellyfish *Rhopilema esculenta* Kishinouye, 1891 seasonal migrant in Peter the Great Bay (Sea of Japan). Russian Journal of Biological Invasions.

## Conference Talks

- Polyakova N.E., Chernyshev A.V., **Turanov S.V.** Taxonomy and distribution of the *Lineus al-borostratus*-group (Nemertea: Lineidae) / Abstracts of the International Conference Unique Marine Ecosystems: Modern Technologies of Exploration and Conservation for Future Generations Vladivostok, Russia, August 4-7, 2016. - Vladivostok, 2016. - p. 85-86.
- **Turanov S.V.**, Redin A.D., Masalkova N.A. Species divergence and genetic differentiation of sand lances (Trachiniformes: *Ammodytes*) from the northwestern Pacific / Abstracts of the International Conference Unique Marine Ecosystems: Modern Technologies of Exploration and Conservation for Future Generations Vladivostok, Russia, August 4-7, 2016. - Vladivostok, 2016. - p. 111.
- **Turanov S.V.**, Lee Y.-H., Kartavtsev Yu.Ph. Structural features and variation of mitochondrial control region among eelpouts (Cottoidei: Zoarcales) // Modern Achievements in Population, Evolutionary, and Ecological Genetics: International Symposium, Vladivostok Vostok Marine Biological Station, September 1-10, 2015 : Program & Abstracts. - Vladivostok, 2015. - p. 77.
- **Turanov S.V.**, Kartavtsev Yu.Ph., Lee Y.-H., Zemnukhov V.V., Balanov A.A. Molecular-phylogenetic reconstruction and taxonomic investigation of eelpouts (Cottoidei: Zoarcales) based on two mitochondrial genes. Genome. Vol. 58, No. 5, pp. 289-290. – May, 2015.
- **Turanov S.V.**, Kartavtsev Yu.Ph., Sharina S.N., Zemnukhov V.V., Balanov A.A., Lee Y.-H., Jeong D., Rozhkov K.V.. DNA barcoding of fishes from Far East of Russia / Molecular Phylogenetics: Contributions to the 4th Moscow International Conference "Molecular Phylogenetics" (Moscow, Russia, September 23-26, 2014) / [Compiled by A. Troitsky, L. Rusin, and N. Petrov]. – Moscow: TURUS PRESS, 2014. – p. 70.
- **Turanov S.V.**, Kartavtsev Yu.Ph., Sharina S.N., Zemnukhov V.V., Balanov A.V. DNA barcoding of Perch-like fishes (Pisces: Perciformes) from far-eastern seas of Russia // Modern Achievements in Population, Evolutionary, and Ecological Genetics: International Symposium, Vladivostok Vostok Marine Biological Station, September 2-6, 2013: Program & Abstracts. - Vladivostok, 2013. - P. 73.
- **Turanov S.V.**, Kartavtsev Y.Ph., Zemnukhov V.V., Balanov A.A. Molecular delimitation and phylogeny of perch-like fish species from Russia Far East // Fish Barcode of Life World Conference., Yeosu, Korea, 12-14 June, 2012: Proceedings. - Yeosu: 2012. - P. 35.

#### *Dissertation*

- **Turanov S.V.** Species Barcoding and Molecular Phylogenetics of Pricklebacks Fishes (Perciformes: Stichaeidae) from Far Eastern Seas of Russia. Candidate of Sciences Dissertation. A.V. Zhirmunsky Institute of Marine Biology. Vladivostok, Russia. 2013. (In Russian)

### **TEACHING**

*Far East Technical Fisheries University, Vladivostok*

#### **Lecturer**

Molecular Genetics Techniques in Aquaculture,  
Biodiversity and Phylogeny

Autumn 2015, 2016

*Far East Federal University, Vladivostok*

#### **Teaching assistant**

Basic and Population Genetics

Spring 2011, 2012, 2013

## **GRANTS & AWARDS**

Grant for young scientists from Russian Foundation For Basic Research, 2016.  
Expedition Grant from Far Eastern Branch of the Russian Academy of Sciences, 2016.  
Travel Award for 6<sup>th</sup> International Barcode of Life Conference, 2015.  
Grant for young scientists from Far Eastern Branch of the Russian Academy of Sciences, 2015.  
Grant for young scientists from Far Eastern Branch of the Russian Academy of Sciences, 2014.  
Grant for young scientists from Far Eastern Branch of the Russian Academy of Sciences, 2013.  
Best oral presentation on the annual conference of young scientists in the IMB FEB RAS, 2013.  
Second place oral presentation at MAPEEG-2013 (Modern Achievements in Population, Evolutionary and Ecological Genetics, International Symposium, Vladivostok).  
Grant for young scientists from Far Eastern Branch of the Russian Academy of Sciences, 2011.  
Fellow of the governor of the Primorskii Kray, 2010.

## **SKILLS**

Ichthyology.  
Nucleic acids sequencing methods: Sanger, Roshe-454 and Illumina platforms.  
Computational Molecular Evolution and Phylogenetics.  
R programming.

Last update: October 22, 2016