

Curriculum Vitae

Odintsova Nelly Adolphovna

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Birth date: December 23, 1954

Citizenship: Russian Federation

Marital status: married

Education: 1972-1977, Far East State University, Biological Faculty, Dept. of Cytology

Ph. d.: Chromatin structure and basic proteins from sperm of the Bivalve mollusks, 1984, Institute of Cytology of Academy of Sciences of the USSR. Saint-Petersburg.

Doctoral thesis: Bases of cultivation of marine invertebrate cells, 1999. Medicine University, Vladivostok.

Professional Experience

2009 – present – Head of Laboratory, Laboratory of Cytotechnology, NSCMB FEB RAS, Vladivostok, Russia.

2000 – 2009 Leading researcher, Institute of Marine Biology

1990-2000 Senior researcher, Institute of Marine Biology

1985-1990 Researcher, Institute of Marine Biology

1979-1985 Junior researcher, Institute of Marine Biology

1977-1979 Assistant, Institute of Marine Biology

Qualification / Specialization:

- Marine biotechnology
- Marine Biology
- Developmental biology
- Cell culture
- Cryobiology

Memberships: European Tissue Culture Society

Honors and Rewards:

2016 – V.L. Kas'yanov award for the Best Scientific Work in the field of cell and molecular biology of marine organisms, Far Eastern Branch of the Russian Academy of Sciences.

More, than 100 publications (including 4 patents).

Major publications:

1. Odintsova N.A. and Khomenko A.V. Primary cell culture from embryos of the Japanese scallop *Mizuchopecten yessoensis* (Bivalvia) // *Cytotechnology*, 1991. V. 6 (1), 49-54.
2. Odintsova N. A., Belogortseva N.I., Ermak A.V., Molchanova V.I., Luk'yanov P.A. Adhesive and growth properties of lectin from the ascidian *Didemnum TERNATANUM* on cultivated marine invertebrate cells // *Biochem. Biophys. Acta.* 1999, V. 1448. 381-389.
3. Odintsova N.A., Dolmatov I.Yu., Mashanov V.S. Regenerating holothurian tissues as a source of cells for long-term cell cultures // *Marine Biology*. 2005. Vol. 146(5). 915-921.
4. Odintsova N.A., Usheva L.N., Yakovlev K.V., Kiselev K.V. Naturally occurring and artificially induced tumor-like formations in marine invertebrates: a search for permanent cell lines. // *J. Exp. Mar. Biol. Ecol.* 2011. V. 407. 241-249.

5. Ageenko N.V., Kiselev K.V., Dmitrenok P.S., Odintsova N.A. Pigment cell differentiation in blastula-derived primary cell cultures of sea urchins // *Marine Drugs*. Special issue: Advances and New Perspectives in Marine Biotechnology. 2014. V. 12. 3874-3891.
6. Maiorova Maria A., Odintsova Nelly A. β integrin-like protein-mediated adhesion and its disturbances during cell cultivation of the mussel *Mytilus trossulus* // *Cell Tissue Research*. 2015. V. 361 (2). 581-592.
7. Kipryushina Y.O., Yakovlev K.V., Odintsova N.A. Vascular endothelial growth factors: A comparison between invertebrates and vertebrates // *Cytokines and Growth Factor Reviews*. 2015. V. 26, № 6. 687-695.
8. Ryazanova T.V., Eliseikina M.G., Kalabekov I.M., Odintsova N.A. A herpes-like virus in king crabs: Detection and transmission under laboratory conditions // *Journal of Invertebrate Pathology*. 2015. V. 127. 21-31.
9. Odintsova N.A., Ageenko N.V., Kipryushina Yu.O., Maiorova M.A., Boroda A.V. Freezing tolerance of sea urchin embryonic cells: Differentiation commitment and cytoskeletal disturbances in culture // *Cryobiology*, 2015. V. 71. 54-63.
10. Odintsova N.A., Boroda A.V., Maiorova M.A., Yakovlev K.V. The death pathways of mussel larval cells after a freeze-thaw cycle // *Cryobiology*, 2017. V. 77. P. 41-49.

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