**Dr. Diana V. Maltseva**

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Date of birth: 23.07.1983

**Current position**

Head of Laboratory

International Laboratory of Microphysiological Systems, Faculty of Biology and Biotechnology, National Research University Higher School of Economics, Moscow, Russia (<https://biology.hse.ru>)

**Biography**

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| * Master’s degree, Department of Chemistry, Lomonosov Moscow State University, Moscow, Russia, <https://www.msu.ru/en/>
 | 2000 - 2005 |
| * PhD, Lomonosov Moscow State University, Moscow, Russia, <https://www.msu.ru/en/>
 | 2005 - 2009 |
| * Researcher, The A.N. Belozersky Institute Of Physico-Chemical Biology, Lomonosov Moscow State University, Moscow, Russia, https://www.belozersky.msu.ru/en.html
 | 2008 - 2009 |
| * Postdoctoral research at Department of Molecular Physiology, Russian Research Institute of Physical Education and Sport, Moscow, Russia, <http://www.vniifk.ru>
 | 2009 - 2012 |
| * Group leader at Scientific Research Center Bioclinicum, Moscow, Russia, <http://www.bioclinicum.com>
 | 2012 - 2014 |
| * Deputy director for Science at Scientific Research Center Bioclinicum, Moscow, Russia, <http://www.bioclinicum.com>
 | 2014 - 2018 |
| * Principal Investigator at Hertsen Moscow Oncology Research Center, Branch of Federal State Budgetary Institution National Medical Research Radiological Center of the Ministry of Health of the Russian Federation, Moscow, Russia, <http://nmicr.ru/en/about/struktura-nmirts/mnioi-im-p-a-gertsena/>
 | 2018 - 2019 |
| * Leading Researcher, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry of the Russian Academy of Sciences, Moscow, Russia, <http://www.ibch.ru>
 | 2019 - 2020 |
| * Head of Laboratory, International Laboratory of Microphysiological Systems, Faculty of Biology and Biotechnology, National Research University Higher School of Economics, Moscow, Russi, <https://biology.hse.ru>
 | 2020 – present time |

**Research interests**

* Molecular mechanisms of the dissemination and metastasis of cancer
* Role of extracellular matrix in metastasis
* Role of cell adhesion molecules in metastasis
* Organ-on-a-chip microphysiological system, human intestine *in vitro* model
* DNA methylation and DNA-methyltransferase enzymes (PhD research)

**Representative Publications**

* Oliveira-Ferrer L., Rößler K., Haustein V., Schröder C., Wicklein D., **Maltseva D.**, Khaustova N., Samatov T., Tonevitsky A., Mahner S., Jänicke F., Schumacher U., Milde-Langosch K. (2014) C-FOS suppresses ovarian cancer progression by changing adhesion Br. J. Cancer. 110 (3), 753-763.
* Makarova J.A., **Maltseva D.V.**, Galatenko V.V., Abbasi A., Maximenko D.G., Grigoriev A.I., Tonevitsky A.G., and Northoff H. (2014) Exercise Immunology Meets MiRNAs. Exerc. Immunol. Rev.20, 135-164.
* **Maltseva D.V.**, Galatenko V.V., Samatov T.R., Zhikrivetskaya S.O., Khaustova N.A., Nechaev I.N., Shkurnikov M.U., Lebedev A.E., Mityakina I.A., Kaprin A.D., Schumacher U., Tonevitsky A.G. (2014) miRNome of inflammatory breast cancer. BMC Res Notes. 7(1), 871.
* Kostarnoy A.V., Gancheva P.G., Lepenies B., Tukhvatulin A.I., Dzharullaeva A.S., Polyakov N.B., Grumov D.A, Egorova DA, Kulibin A.Y., Bobrov M.A., Malolina E.A., Zykin P.A., Soloviev A.I., Riabenko E., **Maltseva D.V.**, Sakharov D.A., Tonevitsky A.G., Verkhovskaya L.V., Logunov D.Y., Naroditsky B.S., Gintsburg A.L. (2017). Receptor Mincle promotes skin allergies and is capable of recognizing cholesterol sulfate. Proc Natl Acad Sci USA, 114(13), E2758-E2765. pii: 201611665. doi: 10.1073/pnas.1611665114.
* Kudriaeva A., Galatenko V.V., **Maltseva D.V.**, Khaustova N.A., Kuzina E., Tonevitsky A.G., Gabibov A., Belogurov A. (2017) The Transcriptome of Type I Murine Astrocytes under Interferon-Gamma Exposure and Remyelination Stimulus. Molecules. 22(5). pii: E808.
* Khaustova N.A., **Maltseva D.V.**, Oliveira-Ferrer L., Stürken C., Milde-Langosch K., Makarova J. A., Rodin S., Schumacher U., Tonevitsky A.G. (2017). Selectin-independent adhesion during ovarian cancer metastasis. Biochimie. pii: S0300-9084(17)30233-X. doi: 10.1016/j.biochi.2017.09.009.
* Galatenko V.V., **Maltseva D.V.**, Galatenko A.V., Rodin S., Tonevitsky A.G. (2018). Cumulative prognostic power of laminin genes in colorectal cancer. BMC Medical Genomics, 11(1), 9.
* **Maltseva D.V.**, Rodin S.A. (2018) Laminins in Metastatic Cancer. Mol. Biol. (Mosk.), 52(3), 350-371. Review
* Baranova A., **Maltseva D.**, Tonevitsky A. (2018). Adipose may actively delay progression of NAFLD by releasing tumor‐suppressing, anti‐fibrotic miR‐122 into circulation. *Obesity Reviews*, 1-11. https://doi.org/10.1111/obr.12765
* Sakharov D.A., **Maltseva D.V.**, Knyazev E.N., Nikulin S.V., Poloznikov A.A., Shilin S.A., Baranova A., Tsypina I., Tonevitsky A. (2019) Towards embedding Caco-2 model of gut interface in a microfluidic device to enable multi-organ models for systems biology. *BMC Systems Biology.* 13(Suppl 1):19. doi:10.1186/s12918-019-0686-y.