

Zubov Dmitro

Head of the Vitality laboratory.
Biotechnologist for the production of stem cells products.

Degree: Masters in biology.

Professional experience: 22 years.
Languages: Russian, Ukrainian, English.



Professional skills:

- Planning, setting up, running, and managing a biotechnology laboratory for the production of biomedical products based on human or animal cells.
- Mastery (hands-on) and formulation (training of staff) of techniques for culturing human or animal cells (primary cultures, transplantable lines).
- Mastery and installation (staff training) of techniques for the production of biomedical products based on human or animal cells with the establishment of quality criteria for such a product.

Education:

- Donetsk State University (Donetsk), Department of Biology, specialist diploma with honors, graduated in 1999.
- D. in Biology, DK No 053864, specialty "Immunology" (Kyiv), year of completion 2009.
- D. in "Immunology", 2009.
- Specialized scientific council of Kyiv National Taras Shevchenko University.
- Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine, Senior Research Certificate, Master of Biotechnology, 2014.
- P.L. Shupyk Institute of Molecular Biology and Genetics, National Academy of Sciences of Ukraine. Shupyk, specialty "Laboratory genetics" graduated in 2018.

Professional experience:

- Laboratory Doctor of the State Institution "V.K. Husak Institute of Emergency and Reconstructive Surgery NAMS of Ukraine" 1999 - 2007.
- Leading Researcher at the State Institution "Institute of Genetic and Regenerative Medicine NAMS of Ukraine" 2007.
- Head of the Biotechnology Laboratory for the production of products from human stem cells of the medical company "Eliya" (AA Partners LLC) 2011 - 2019
- Participation in conferences, membership in medical societies.
- He planned/started/administered production in three biotechnological laboratories for the production of biomedical products based on human cells: the V.K. Ilai State Institution of Emergency and Reconstructive Surgery (AA Partners LLC, Kyiv).
- Co-author of 18 declarative patents of Ukraine for invention or utility model.
- Co-author of more than 130 scientific publications on professional subjects.

List of publications:

- Polypeptide growth factor roles in the regulation of keratinocyte proliferation, Cytology, and Genetics. - 2001. - No 6. - P. 64-73. [in Russian].
- Optimization of a method of primary isolation of keratinocytes for burns, New technologies in surgery. - 2002. - No 2. - P. 195-198. [in Russian].
- Method of skin equivalent preparation for the treatment of wound defects, Transplantology. - 2003. - Vol. 4, No 1. - P. 264-266. [in Russian].
- Development of 3D-cartilage equivalent in vitro: kinetics of chondrocyte growth and the use of agarose hydrogel as a carrier, Bulletin of Orthopedics, Traumatology, and Prosthetics. - 2011. - No 4. - P. 45-48. [in Ukrainian].
- Impact of tripeptides on lymphoid and stem cells, Bulletin of experimental biology and medicine. - 2011. - Vyp. 151, no 3. - P. 772-775.
- Effect of bone marrow-derived transplanted MSCs on reparative osteogenesis during long-term treatment of fracture and non-union in the experiment, 7th Annual Congress of the German Society for Stem Cell Research, associated with the Fraunhofer Life Symposium 2012 "Tables 29-30 November 2012: Booth presentations. - Leipzig, 2012. - C. 90- 91.
- Application of dermal equivalents developed with collagen and fibrin hydrogels and fat-derived cultured MSCs for the treatment of full-thickness burns: a pilot study, 7th Annual Congress of the German Society for Stem Cell Research related to Firma Stem Cells and Clinical Applications, 29-30 November 2012: Booth presentations. - Leipzig, 2012. - C. 89-90.
- Effect of cultured chondrocytes under agarose carrier implantation on reparative chondrogenesis (experimental study), 7th Annual Congress of the German Society for Stem Cell Research associated with the Fraunhofer Vitality Symposium 2012"2.: poster presentations. - Leipzig, 2012. - C. 91-92.
- Immune system regeneration by fetal liver cells stimulated by contact with multipotent thymus stromal cells in lethally irradiated mice, 7th Annual Congress of the German Society for Stem Cell Research, associated with the Fraunhofer Vitality Symposium 20 2012: Booth presentations. - Leipzig, 2012. - C. 74.
- Membrane relatedness of lymphocytes and multipotent stromal cells (fibroblast-lymphocyte rosettes), 7th Annual Congress of the German Society for Stem Cell Research, linked to the Fraunhofer Vital Activity Symposium 2012.