vitality

ADONIS

Zubov Dmytro

Head of the Laboratory Vitality
Biologist-biotechnologist in the manufacturing of stem cells

Degree: Master of Biology
Professional Experience: 27 years.
Languages: Ukrainian, English.

Professional skills:

- Planning, equipping, launching, and managing a biotechnology laboratory for theproduction of biomedical products based on human or animal cells.
- Hands-on proficiency and development (training of personnel) in methods of culturing human or animal cells (primary cell cultures, continuous cell lines).
- Proficiency in implementation (including staff training) of techniques for the production of cell-based biomedical products derived from human or animal cells, including the establishment of quality criteria for such products.

Education:

- Donetsk State University (Donetsk city), department of biology, specialist degree with honors, graduated in 1999.
- PhD (Candidate of Biological Sciences) Diploma series DK No. 053864 in the specialty "Immunology" (Kyiv city), completed in 2009.
- PhD (Candidate of Philosophy) in "Immunology", 2009.
- Specialized Academic Council of Taras Shevchenko Kyiv National University.
- Institute of molecular biology and genetics of the National academy of sciences of Ukraine, Senior Researcher Certificate. Master's degree in biotechnology, 2014.
- P.L. Shupyk National Medical Academy of Postgraduate Education (NMAPE), specialty "Laboratory genetics", graduated in 2018.

Work experience:

- Laboratory physician at the State Institution "V.K. Gusak Institute of Emergency and Reconstructive Surgery of the National Academy of Ukraine" from July 1999 to November 2007.
- Leading researcher at the State Institution "Institute of Genetic and Regenerative Medicine of the National Academy of Medical Sciences of Ukraine from November 2007 year.
- Head of a biotechnology laboratory for the production of human stem cell–based products at the medical company "Ilaya" (LLC "AA Partners") from May 2011 to November 2019. Participation in conferences, membership in medical communities.
- He planned, initiated and established production in three biotechnological laboratories for the production of biomedical products based on human cells: State Institution "Institute of Medical and Reconstructive Surgery V. K. Ilaya (LLC «AA Partners», Kyiv).
- Co-author of 18 Ukrainian declarative patents for inventions or utility models. Co-author of more than 130 scientific publications in professional fields.

Participation in conferences, seminars, symposiums:

- Role of polypeptide growth factors in the regulation of keratinocyte proliferation, cytology and genetics. – 2001. – No. 6. – pp. 64–73.
- Optimization of the method for primary isolation of keratinocytes for burn treatment, New Technologies in Surgery. – 2002. – No. 2. – pp. 195–198.
- Method for preparing skin equivalents for the treatment of wound defects, transplantology. – 2003. – B. 4, No. 1. – pp. 264–266.
- Development of a 3D cartilage equivalent in vitro: growth kinetics of chondrocytes and the use of agarose hydrogel as a carrier, Bulletin of Orthopedics, Traumatology and Prosthetics. – 2011. – No. 4. – pp. 45–48. [in Ukrainian].
- Effect of tripeptides on lymphoid and stem cells, Bulletin of Experimental Biology and Medicine. – 2011. – Issue 151, No. 3. – pp. 772–775.
- Effect of transplanted bone marrow–derived mesenchymal stem cells (MSCs) on reparative osteogenesis during long-term treatment of fracture non-union in an experimental model, 7th Annual Congress of the German Society for Stem Cell Research, associated with the Fraunhofer Life Science Symposium 2012 "Stem Cells and Clinical Applications", November 29–30, 2012: poster presentations. – Leipzig, 2012. – pp. 90–91.
- Application of skin equivalents developed using collagen and fibrin hydrogels and cultured adipose-derived MSCs for the treatment of full-thickness burns: an experimental study, 7th Annual Congress of the German Society for Stem Cell Research, associated with the Fraunhofer Life Science Symposium 2012 "Stem Cells and Clinical Applications", November 29–30, 2012: poster presentations. – Leipzig, 2012. – pp. 89–90.
- Effect of cultured chondrocytes implanted on an agarose carrier on reparative chondrogenesis (experimental study), 7th Annual Congress of the German Society for Stem Cell Research, associated with the Fraunhofer Life Science Symposium 2012 "Stem Cells and Clinical Applications", November 29–30, 2012: poster presentations. – Leipzig, 2012. – pp. 91–92.
- Regeneration of the immune system by fetal liver cells stimulated through contact with multipotent stromal cells of the thymus in lethally irradiated mice, 7th Annual Congress of the German Society for Stem Cell Research, associated with the Fraunhofer Life Science Symposium 2012 "Stem Cells and Clinical Applications", November 29–30, 2012: poster presentations. – Leipzig, 2012. – p. 74.
- Membrane affinity of lymphocytes and multipotent stromal cells (fibroblast–lymphocyte rosettes), 7th Annual Congress of the German Society for Stem Cell Research, associated with the Fraunhofer Life Science Symposium 2012.