



 @shiraliyev_mamed
 @geoscells_official

 www.geoscells.com

MAMED SHIRALIYEV

- Scientist and innovator in medical research
- The discoverer of cancer treatment with stem cells CSCs
- CEO, thought leader and CFO of Geoscells
- Speaker of the XII International Medical Forum
- Founder of the charitable foundation «Let's Preserve Science in Ukraine»
- Owner of Dent-studio, analysis laboratories New Diagnosis and MamaPapa

Good afternoon, Mamed! The editors of the glossy magazine SANSARA are glad to welcome you. As we know, you are deeply concerned with the most complex issues of medicine that have arisen in modern society, especially the search for radically new methods of treating oncological diseases. Tell me, how did it all begin? What was the starting point for you and your company Geoscells in the fight against cancer?

My career in medicine began with the creation of my own clinic and analysis laboratories. And since 2014 and until

now, I have been selflessly engaged in research activities, choosing the incredibly essential direction for society — molecular oncology, and raising the most acute and urgent problems of modern science.

My thoughts, intentions and aspirations were the beginning of my massive brainchild, which revolutionizes the treatment of patients suffering from the most insidious disease of the 21st century - cancer. It was that such noble motive drove me to found Geoscells — a company whose crucial activity is stem cell research to defeat oncology, whereby we

contribute to the development and manufacture of products that aims to improve the general standard of living and the health of cancer patients.

Working closely with pharmaceutical and biotech companies that share our values, Geoscells's goal is to solve the enormous global challenges that modern medicine and pharmacology face in the realities of our time. Our young, highly trained team is tirelessly committed to scientific discovery and revolutionary cancer drug development, making the world a safer place for everyone.

Cancer puts the most precious thing we have — our lives in jeopardy. Therefore, each of us has every reason to contribute to the fight against cancer — for ourselves, our loved ones, and all of humanity. It is difficult to overestimate your personal investment, so, please open the veil of secrecy: what discovery did your team make?

My contribution to the future of science and medicine has become the foundation of Geoscells, whose activities are entirely focused on the creation of innovative solutions and the latest drugs for the treatment of cancer.

Not a single doubt over the years of hard work and sleepless nights — only full speed forward, faith in one's own strengths and loyalty to one's own life principles and aspirations. And now we are all on the cusp of a great breakthrough, a discovery that defines the whole essence of the fight against cancer, and I am proud to share some truly wonderful news. As a result of research conducted by the Geoscells team, a working method of oncology therapy has already been found: the involvement of stem cells in the fight against cancer can provide a long-term solution to the problems of treating many types of cancer. It is incredible that this is no longer a hypothesis or a dream, but a reliable fact. This is a new reality, born in my company Geoscells through the efforts of our employees.

CANCER KNOWS NO GEOGRAPHICAL BOUNDARIES, REGARDLESS OF AGE, GENDER, OR SOCIAL STATUS

Every successful people have a unique recipe for their personal growth and success. What is yours? What do you think is driving the continued growth of your company Geoscells and its many achievements in finding innovative solutions for cancer treatment?

The secret of the company's success is simple and brilliant at the same time: to be closer. This is the unity of goals, life priorities and principles. When creating Geoscells, I was joined by scientists and experts, highly qualified specialists in the development of specialized software and the implementation of complex research and production tasks, working harmoniously as a single organism, who fully share my aspirations.

We at Geoscells believe in the power of collective success. The gaze of all our employees is directed in the same direction of continuous development and movement towards the intended goals, and the vector is aimed at simplifying the

way to recovery for cancer patients around the world. This is the key to the victory of science and humanity over one of the most horrific diseases of our time.

AS A RESULT OF GEOSCELLS RESEARCH, AN EFFECTIVE METHOD OF ONCOLOGY THERAPY WAS FOUND

We all see how quickly time goes by, how new large-scale scientific discoveries appear every day, and how artificial intelligence subjugates all new areas of human life day by day. Despite all of those, some long-standing problems remain that need to be addressed, including the global fight against cancer. What is your mission in the process? What are your goals for the near future?

A terrible diagnosis, which is perceived by our consciousness as a sentence, none of us would like to hear. The most insidious disease of the 21st century knows no geographical



boundaries and does not choose age, gender or social status. Sadly, any of us can face it, regardless of lifestyle, genetics, or beliefs. A person's life is divided into Before and After, filled with fear, helplessness, and misunderstanding. We at Geoscels are concerned about the current state of affairs. Not only is cancer one of the leading causes of death in the world, claiming the lives of 8-10 million people each year, but it is also a major catalyst of adolescent mortality, with an estimated 400 thousand children developing cancer every year... That is why our team has focused all efforts on achieving victory over one of the most terrifying diseases of our time.

My global mission as the founder of Geoscels is to simplify the path to recovery for cancer patients and improve the quality of life for each of them.

Since 2014, I have chosen the path of constant growth and kept working toward the set goals and moving toward them continuously. The main ones are:

- Become an innovator offering people innovative solutions and the latest drugs for the treatment of cancer;
- Establish close cooperation with best-in-class research institutes and centers to achieve significant results;
- Continue further research on stem cells to develop fundamentally highly-effective new treatments for cancer patients.

Today, I gratefully accept all challenges and choose extremely-difficult tasks of social significance so that humanity all over the world is on the way to salvation!

Our editors have become aware of one key event in the medical world in which you took part – the XII International Medical Forum. Please share with our readers how the Geoscels materials and developments were presented to the scientific community.

The materials and developments of my company Geoscels, aimed at creating innovative solutions for the treatment of oncological diseases, were presented at the XII International Medical Forum, which was held from May 25 to May 27, 2021 in Kyiv, in which I had the honor to take part at the initiative of the National Cancer Institute of Ukraine.

The event was held with the support of the Committee of the Verkhovna Rada of Ukraine on the issues of the health of the nation, medical assistance and medical insurance, the Ministry of Health of Ukraine and the National Health Service of Ukraine. 25 research institutes, about 100 medical associations and foundations were involved in the large-scale event. Medical institutes and academies, specialized publications also took part in the forum – not only from Ukraine, but also from other countries.

More than 40 scientific and practical events were held within the framework of the program. About 700 speakers spoke at the forum, and at least 6,000 guests attended the

event. At the same time, my company Geoscels, like no one else, managed to create a real sensation in the scientific community and arouse the interest of the public and the National Cancer Institute in particular, since my presentation on the topic of cancer stem cells opened up a new vision on the problem of cancer.

The honorable participation in the XII International Medical Forum made it possible to establish new connections in the scientific community and lay a strong foundation for further successful partnership and discussion of development prospects with leading world experts in the field of molecular oncology. We believe that by joint efforts it will be possible to increase the effectiveness of existing tools and create new protocols for treating patients with a guarantee of a positive result and prevention of relapses.



MY GLOBAL MISSION AS THE FOUNDER OF GEOSCELS IS TO IMPROVE THE QUALITY OF LIFE OF CANCER PATIENTS

Geoscels is a team of experts working together as a single organism. Senior medical professionals, specialized software developers, experts, innovators, and leaders have joined forces to carry out complex research and production tasks. What are your vision and values?

Geoscels is an innovator in the field of medical research, which prefers the way of continuous development and movement towards the intended goals.

We choose extremely complex socially significant tasks with the ambitious goal of improving human life and fighting the most insidious diseases. That is why the key area of activity

has become the research of stem cells for defeating oncology.

The involvement of CSCs in the therapy of cancer diseases can provide a long-term solution to the problems of the treatment of many types of cancer.

The highly transformative properties of stem cells can be redirected to target cancer cells through genetic

or phenotypic alteration; this is a promising mechanism that is fundamentally different from short-term treatments such as chemotherapy. In addition, the perfect study of stem cells allows to involve them maximally to other areas of medicine – treatment of autoimmune disorders, regenerative therapy and cosmetology.

Our values:

- Ethics and responsibility. Geoscels cares about employees, patients and consumers of our services by adhering to the highest ethical standards. Our responsibility is to focus on the long-term perspective, which reveals itself with a better understanding of the fundamental mechanisms of stem cells, while taking

into account the protection of the environment and the community.

- Efficiency. Taking responsibility for achieving the set goals, we act quickly, decisively, transparently and without violating ethical norms. Striving for perfection, the Geoscels team does not stop in the face of difficulties and sets new ambitious tasks for continuous development.
- Innovations. In search of new effective and specific solutions, Geoscels involves the entire set of modern tools and technologies. At the same time, we are not afraid of responsibility for ultra-sophisticated latest equipment, adapting to the ever-changing realities.



INVOLVEMENT OF STEM CELLS IN THE FIGHT AGAINST CANCER PROVIDES A SOLUTION TO THE PROBLEMS IN CANCER TREATMENT

Geoscels' goal is to become an innovator, bringing people innovative solutions to achieve the best results in cancer treatment and improve the quality of life for patients. Tell us about the solutions that Geoscels uses in its activities.

Using the scientific discoveries of its predecessors, the Geoscels team has been conducting its own experiments since 2014. We drew attention to the special importance of ionotropic glutamate receptors. They are responsible for learning, memory, differentiation of cells and their plasticity. Our research led to the conclusion that ionotropic glutamate receptors can act as a universal negative marker of cancer stem cells. This conclusion has been supported by mass spectrometry using AlphaCell artificial intelligence.

Having laid the groundwork for the final solution to cancer treatment, Geoscels has created a multidisciplinary platform to use the potential of cancer stem cells as efficiently as possible.

The basis of our platform's methods is the precise search for cancer stem cells. Using the result of the first important stage, doctors move on to the second one – effective treatment with an individual approach.

The most modern techniques approved by the FDA are used. The optimization of the process is facilitated by the use of the latest technologies, such as the Kuna robotic laboratory assistant and the Lionheart LX automatic microscope. Geoscels researchers also use the anti-miRNA tool, which plays a key role in unblocking the translation process with the formation of glutamate receptors in cancer stem cells.

The use of modern technologies serves as a guarantee of complete confidentiality of each patient. At the same time, our team, taking care of the efficiency and scalability of the network, has created a system of its own Blockchain Join architecture, which allows to use information from different platforms. It helps speed up and optimize processes, providing transparency while protecting personal data due to PHI/PII with a decentralized information storage system that complies with HIPAA, FHIR, HL7 and ISO requirements.

The world is constantly changing, and new challenges appear before science. One thing remains unchanged – the desire to make our lives healthy and fulfilling. And you have followed this right path by establishing the charitable foundation «Let's Preserve Science in Ukraine» Charity Fund. What is the history of its creation?

The beginning of the research company was laid in 2014, when the scientific search for solving the problems of modern oncology started. The first important discovery was made in 2019: a marker was discovered that allows to differentiate cancer and pluripotent stem cells.

In 2020, the patent was received for a unique method of treating oncological diseases with combined therapy and an anti-miRNA cocktail. In 2021, the developments were presented to the world scientific community during the «XII International Medical Forum» at the invitation of the National Cancer Institute of Ukraine.

In 2022, the Charitable Foundation «Let's save science in Ukraine» was founded and international cooperation with the world's leading specialists in the field of molecular oncology was initiated. Since 2022, a scientific research platform for the study of stem cells has been operating, as well as an educational program for the exchange of experience and the formation of competencies among colleagues.



MEDICAL RESEARCH COMPANY GEOSCELLS

We all see how quickly time flies, how new large-scale scientific discoveries appear every day, and how artificial intelligence subjugates all new areas of human life day by day. However, at the same time, some problems remain with us for a long time. Unfortunately, until now, humanity is practically powerless against one of the most significant of them all — cancer.

We at Geoscells are concerned about the current state of affairs. Not only is cancer one of the leading causes of death in the world, claiming the lives of 8-10 million people each year, but it is also a major catalyst of adolescent mortality, with an estimated 400 thousand children developing cancer every year... That is why our team has focused all efforts on achieving victory over one of the most terrifying diseases of our time.

The global mission of Geoscells is to simplify the path to recovery for cancer patients and improve the quality of life for each of them.

Our activities are completely focused on:

- solving the most complex issues facing modern society;
- searching for radically new methods of therapy of oncological diseases;
- creating revolutionary drugs for the treatment of previously unknown oncological diseases in modern medicine;
- improving the overall quality of life and health of cancer patients.

Every day at Geoscells, we are changing the perception of cancer treatment and, in close collaboration with pharmaceutical and biotechnology companies we work on solving supercomplex global challenges posed by the realities of modern medicine and pharmacology.

Our team will be happy if you join us and become part of our international community to jointly make our world safer for everyone.

