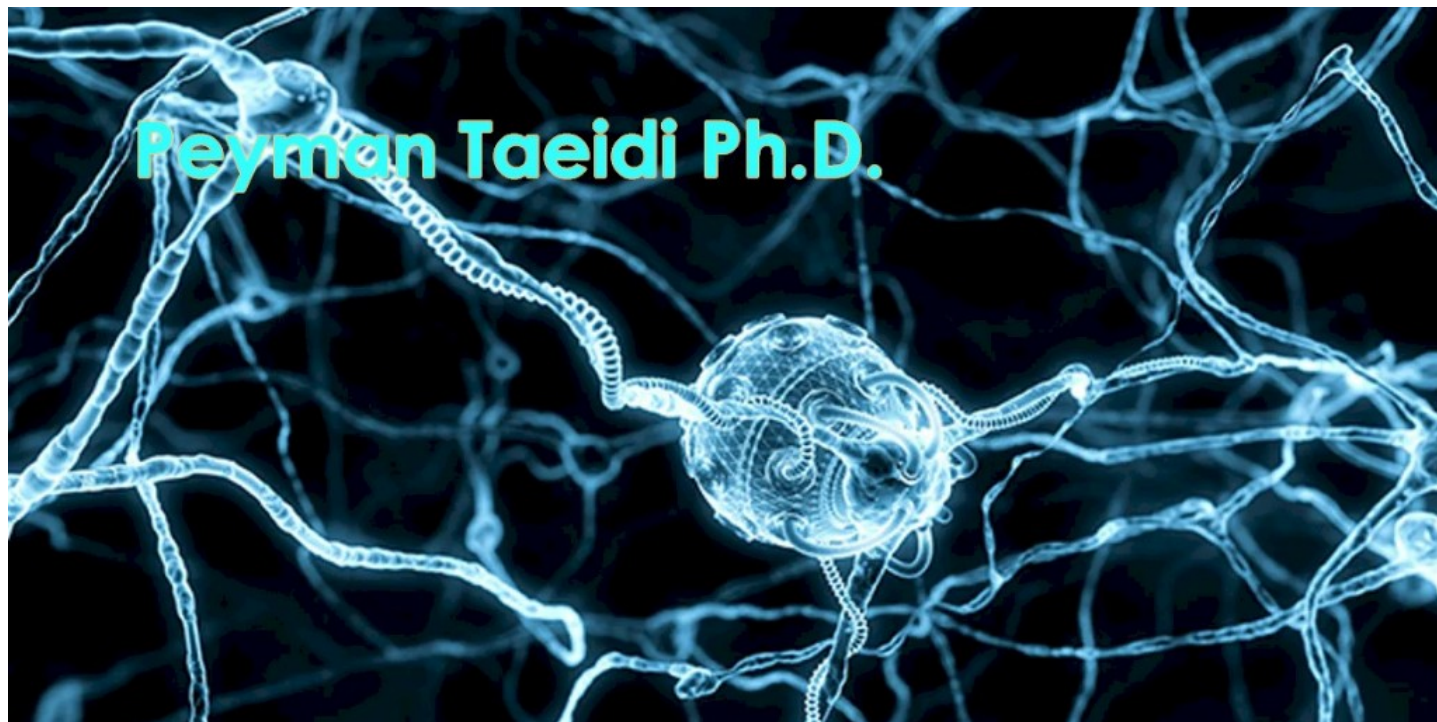


Peyman Taeidi, Ph.D. Launches Website

Dr. Peyman Taeidi is a microbiologist in Southern California has launched a new Website; peymantaeidi.net, to explore and post nanotech related topics.



San Diego, California Apr 11, 2022 (IssueWire.com) - Dr. Peyman Taeidi a microbiologist in Southern California has launched a new Website; peymantaeidi.net, to explore and post nanotech-related topics.

Dr. Peyman Taeidi launches a new website aimed at hosting articles and discussions in the field of nanotechnology.

Peyman Taeidi Ph.D. is a microbiologist in Southern California dedicated to the advancement of stem research and nanotechnology.

Although to most, the notion of stem cell therapy is a rather recent medical development. Of course, it has been in the news and a source of prominent debate for the last couple of decades, but we still think of it as "cutting edge" futuristic technology. Actually, stem cell therapy has been around for quite some time. In 1958 the French oncologist, Georges Mathé, performed the first stem cell transplantation of bone marrow grafts to save six nuclear researchers who were accidentally exposed to radiation.

Stem cells and their use in regenerative therapies are currently hot topics in both biology and medicine. For transfusion scientists, the concept of cell therapy is not a new idea but rather a fundamental practice in this field. Bone marrow transplantation was pioneered in the 1960s and relies on the capacity of haemopoietic stem cells in the donated bone marrow to completely reconstitute the blood system of the recipient.

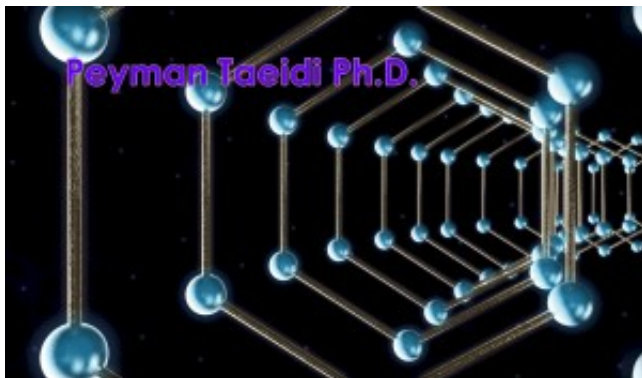
Stem cell nanotechnology is more of recent advancement and form of study today. Peyman Taeidi,

working from southern California, stem cell nanotechnology expert, is a published and cited reference in this field and has released an article on the topic: <https://peymantaeidi.net/stem-cell/2022/04/05/peyman-taeidi-phd/>

In recent years, stem cell nanotechnology has emerged as a new exciting field. Theoretical and experimental studies of the interaction between nanomaterials or nanostructures and stem cells have made great advances. The importance of nanomaterials, nanostructures, and nanotechnology to the fundamental developments in stem cell-based therapies for injuries and degenerative diseases has been recognized.

Stem cell differentiation is closely associated with their microenvironment. The regulation of stem cells depends largely on their interaction with a highly specialized microenvironment or niches. Secreted factors, stem cell-neighboring cell interactions, extracellular matrix (ECM), and mechanical properties collectively make up the stem cell microenvironment. The niche secretes appropriate chemicals to direct the differentiation and development of stem cells.

There are over 1,000 ongoing stem cell clinical trials in The United States alone. These trials are incredibly important as they represent the only current treatment use allowed for stem cells. As the medical community continues to embrace and support stem cell therapy options more and more each day, these trials will hopefully serve as indicators of the true potential waiting to be widely accessible for use.



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Source : Peyman Taeidi Ph.D.

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