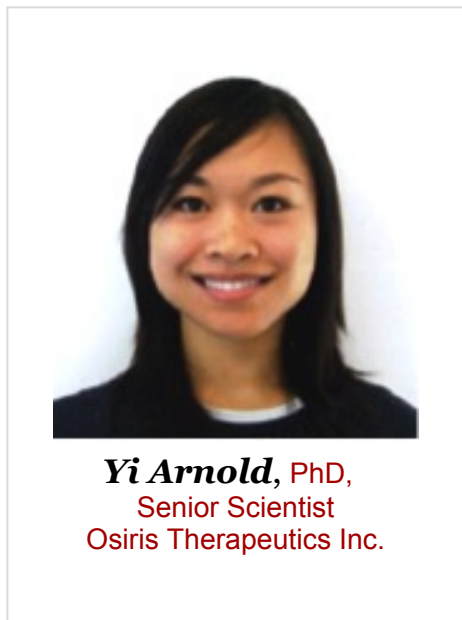


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Viable Cryopreserved Placental Membranes: Scientific Background and Clinical Experience

Osiris Therapeutics, Inc. is the leading cellular regenerative medicine company focused on developing and marketing products to treat conditions in wound care, orthopedics and sports medicine. As a senior scientist at Osiris, Dr. Yi Arnold has conducted advanced research on cryopreserved placental membranes and evaluated their potential to treat non-healing wounds. At the [NJ Symposium for Biomaterials Science](#) on **November 9, 2015**, she will speak on **Viable Cryopreserved Placental Membranes: Scientific Background and Clinical Experience** where she will describe the composition of placental membrane, overview key differences between viable and devitalized placental membranes, and share existing clinical evidence supporting the application of viable cryopreserved placental membrane to treat chronic wounds.

Chronic wounds remain a challenge for physicians to treat. These wounds are characterized by excessive inflammation by senescent cell populations with impaired proliferative and secretory capacities, and by defective MSCs. Excessive inflammation leads to degradation of newly synthesized growth factors and ECM. There is a need to restore the proper balance of cytokines, growth factors and proteases, to recruit functional cells to the wound area, and to deliver healthy functional MSCs. Research conducted at Osiris, for the first time, demonstrated that cryopreserved live human amnion (hAM), which contains collagen-rich matrix, growth factors, and viable endogenous cells including MSCs, present a unique solution to address the needs of chronic wounds. This research can impact the future of advanced wound care, where the need for comprehensive therapies is becoming increasingly crucial.

Dr. Yi Arnold has been instrumental in the development of multiple regenerative medicine products as well as the establishment of a basic science research program at Osiris. She obtained her PhD in Biomedical Engineering from City College of New York, followed by a postdoctoral training at Yale Medical School. Afterwards, she joined the Laboratory for Stem Cells and Tissue Engineering at Columbia University and performed research on cardiac tissue engineering. Prior to joining Osiris, she was employed as a senior scientist at Kinetic Concepts, Inc.

At the [NJ Symposium on Biomaterials Science](#) on **November 9th**, you will have the opportunity to learn more from Dr. Yi Arnold about the evolving landscape of advanced wound care and ways in which the perspectives of tissue engineering and regenerative medicine can lead to new therapies. You will also gain insight into the indispensable role of innovation in a market with rising demand for products to treat challenging, difficult-to-heal wounds.

Update: Are you wondering if patents are still worth it?
There will also be an [Interactive Discussion on Patent Controversies](#)

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