

Welcome Message from Denis Barritault

Dear Colleagues

Researchers of the field of Stem cells and Regenerative medicine

The coming 9th International Conference On Tissue Science and Regenerative Medicine will take place in Las Vegas, USA from April 23-24, 2018 and addresses a central challenge in biology: "Frontiers in stem cells and regeneration". Last year meeting August 2017 in San Francisco was an opportunity for many exchanges of ideas, expertise and exciting debates at the frontier of knowledge.

It will be a pleasure and honor to welcome researchers from all over the world to exchange on this topic.

This field is moving very fast as progresses are coming from multiple approaches, with better knowledge of cell sources, amplification and control of their differentiation pathways both in vitro and in vivo, their mode of administration and the importance of the cellular microenvironment.

Why is regeneration occurring at the one cell level, by replacing a dead cell by a new cell constantly, a biological law known as tissue homeostasis and why do we repair when many cells die? How can we improve this situation and transform repair in regeneration? Are stem cells always needed for regeneration? Can differentiated cells acquire new properties and phenotype? Do they need to reverse to stem cells? Can the extracellular micro environment dictate cell phenotype and functions? How systemic injection of stem cells while localizing in the lung favor distant regeneration?

This meeting will be a great opportunity for many exchanges of ideas, expertise and exciting debates at the frontier of knowledge. We look forward to see you in Las Vegas!

Denis Barritault

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