



Special Issue on
**Location, Location, Location: Stem
Cell-Wound/Niche Relationships and
Transplantation**

CALL FOR PAPERS

In recent years there has been a growing awareness that the clinical success of stem cell transplantation therapies depends to a great extent on both how transplanted stem cells influence the activity of endogenous cells and the wound environment and vice versa how inflammatory and immune cells of the recipient tissue determine stem cell survival and phenotype. This has proven problematic when optimising outcomes of stem cell transplant therapies, which has hindered more widespread uptake. This special issue aims to discuss how stem cell-wound/niche interactions are regulated by intrinsic and extrinsic factors. It will also examine how cell/matrix biology and tissue engineering approaches can be utilised to improve transplantation procedures. The accepted papers will address a diversity of problems and potential solutions. The issue accepts high quality submissions of original research and reviews of exceptional merit in order to provide a comprehensive outlook on all relevant areas.

Potential topics include but are not limited to the following:

- ▶ Inflammation and stem cell survival
- ▶ Acute versus chronic transplantation
- ▶ Hypoxia and reperfusion injury
- ▶ Autologous versus allogeneic transplantation
- ▶ Immune privileged cells/tissues
- ▶ Extracellular matrix and bioactive molecules
- ▶ Extracellular vesicles
- ▶ The blood-brain barrier
- ▶ Predifferentiation and stem cell transplants
- ▶ Stem cells to target tumours
- ▶ Stem cell delivery/routes
- ▶ Cell homing and tracking

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/sci/scnt/>.

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First Round of Reviews

Friday, 7 October 2016

Publication Date

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