

# International Conference and Exhibition on **Cosmetic Dermatology & Hair Care** December 07-08, 2015 Philadelphia, USA

## **Novel sources of stem cells for skin**

**Saeid Amini Nik**

Sunnybrook Research Institute, University of Toronto, Canada

Skin is the largest organ of human body, acting as a barricade with protective, immunologic and sensorial functions. The permanent exposure of skin to the external milieu can result in diverse types of impairment, leading to activation of stem cells in order to reconstitute impaired skin. Using the lessons learned from the study of skin healing, the role of stem cells in each step of the healing will be discussed and will highlight the new source of stem cells which are important for skin maintenance, healing and rejuvenations. Moreover, by unrevelling some new sources of allogenic stem cells with minimal immunogenicity, I will discuss some pre-clinical experimtns that demonstarate allogenic stem cells might be used for skin care.

[saeid.amininik@utoronto.ca](mailto:saeid.amininik@utoronto.ca)

## **The application of three types fractional lasers in the treatment of stable non-segmental vitiligo**

**Yan Wu**

No. 1 Hospital of China Medical University, China

Stable non-segmental is very resistant to conventional forms of therapy, possibly due to fewer residual proliferating melanocytes, fewer residual pilo-sebaceous units or poor absorption of topical drugs. The purpose of this study was to evaluate the combination treatment with fractional lasers, topical corticosteroid and NB-UVB for stable vitiligo. After the completion of the recruitment, the vitiligo lesions of each patient were divided into four treatment areas, each received different four methods. The three experimental areas were respectively treated with two types of 10600nm CO2 fractional lasers and one 1565nm non-ablative fractional laser, topical compound betamethasone solution and NB-UVB. The control area was treated with NB-UVB only. The treatment period last six months. The efficacy and satisfaction were respectively assessed by dermatologists and patients after treatment. The areas treated with 10600nm CO2 fractional lasers combining with topical corticosteroid and NB-UVB achieved good efficacy with acceptable side effects

[jwuyan@126.com](mailto:jwuyan@126.com)

Notes: