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Hair-Loss: New Autologous and Mini-Invasive Procedures

Guest Editor:

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Deadline for manuscript submissions:
closed (31 August 2022)

Message from the Guest Editor

This Special Issue is devoted to recent advances in hair loss treatment focusing on the development of new autologous and/or mini-invasive procedures. There is a clinical demnad for the development of biotechnologies capable of enhancing regenerative tactics in hair loss. To meet this demand, advances in tissue engineering must revolve around the improvement of mini invasive-technologies. Integral components of these technologies include the combined or indpendent use of autologous platelet-rich plasma (PRP), the micro-needling technique (MN-T) and low-level led therapy (LLL-T), which are applied to enhance hair re-growth. A special focus must be dedicated to the innovative use of human follicle stem cells (HFSCs) and human adipose tissue derived follicle stem cells (H-AT-d-FSCs) via minimal manipulation procedures.

Hair research is currently focused on the development of advanced topical formulations, while a major development is yet to be achieved in terms of autologous and mini-invasive procedures.