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## Advances in periodontal regeneration Journey from science fiction to science facts

By Vidhi Singhal

LAP LAMBERT Academic Publishing. Paperback. Condition: New. 64 pages. Dimensions: 8.7in. x 5.9in. x 0.1in. Healing of periodontal wounds is a more complex process. Melcher established that if PDL cells are given preference, regeneration may consistently occur. Current regenerative therapies include bone grafts, allogenic and xenograft bone matrix, root conditioning agents and cell-occlusive barrier membranes and, most recently, recombinant growth differentiation factors. Bone grafts, though considered gold standard, bone regeneration after grafting is quite variable. Growth differentiation factors in spite of their promise of revolutionizing field of bone regeneration must be used at very high concentrations to be effective and also they do not induce long-term changes in the diseased tissue. The novel approach would include changes at a genetic level to modify the disease process for long-term beneficial effects of regenerative molecules. 21st century appears to represent a time in history when there is a convergence between clinical dentistry and medicine, human genetics, developmental and molecular biology, biotechnology, bioengineering and bioinformatics, resulting in emergence of novel regenerative therapeutic approaches viz. nanotechnology, gene therapy, RNAi and stem cells. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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