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Mechanobiology of Skeletal Regeneration

SKELETAL FUNCTION AND FORM: MECHANOBIOLOGY OF SKELETAL DEVELOPMENT, AGING, AND REGENERATION Á Dennis R. Carter and Gary S. Beaupre. Cambridge University Press: Cambridge, 2001. Pp xii + 318; illustrated: ISBN 0 521 79000 X hardback. Å£45.00 (US \$ 80.00). This book is written by a mechanical engineer from Stanford University and a scientist from the Veteransá Association Health Centre in ...

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Carter, D. R., and G. S. Beaupré. 2001. Skeletal Function ...

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Publications | Skeletal Mechanobiology

The insights gained from animal models into the mechanobiology of embryonic skeletal development could provide valuable cues to prospective tissue engineers of cartilage and bone, and contribute to new or improved treatments to minimise the impact on skeletal development of human disorders of reduced movement in utero.

Mechanobiology of Embryonic Skeletal Development: Insights ...

The prominent role of mechanobiology, in native tissue development and function, has given rise to various tissue engineering (TE) approaches that utilize bioreactors to apply dynamic mechanical stimulation, in an attempt to engineer functional soft tissue replacements, or disease state models.

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