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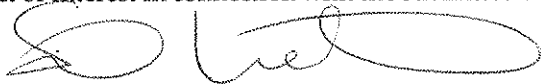
Induced Pluripotent Stem Cells in Cartilage Repair

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The author certifies that he has no commercial associations (e.g., consultancies, stock ownership, equity interest, patent/licensing arrangements, etc.) that might pose a conflict of interest in connection with the submitted article.



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Abstract:

Background: Articular cartilage repair techniques are ineffective.

Human embryonic stem (ES) and induced human pluripotent stem cells (iPS) cells theoretically provide an unlimited number of specialized cells which could be used in articular cartilage repair. However thus far chondrocytes from iPS Cells (iPSCs) have been created primarily by viral transfection and with the use of cocultured feeder cells. In addition chondrocytes derived from iPSCs have usually been formed in condensed cell bodies (resembling embryoid bodies) that then require dissolution

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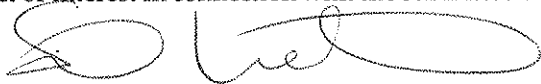
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