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(54) Title: COLLAPSIBLE CELL-ENCAPSULATING SCAFFOLDS TO ENHANCE MAGNETICALLY-INDUCED SECRETOME STABILISATION AND POTENCY

(57) Abstract: The present invention generally relates to methods of producing magnetically induced secretomes with enhanced potency and stability, the methods comprise inter alia, employing polyacrylic acid based polymers, preferably a carbomer, to form a collapsible cell-encapsulating scaffold and dispersing donor cells within said scaffold prior to induction via a directionally-specific pulsing electromagnetic field (PEMF), or dispersing said donor cells in a "collapsed" polyacrylic acid based polymer scaffold prior to the PEMF induction. Also provided are the improved conditioned media thereof, suitable for use in medical and commercial applications.