

TABLE OF CONTENTS

Volume 6, Number 8A1, August 2013

Complement C3a signaling mediates production of angiogenic factors in mesenchymal stem cells R. G. DiScipio, S. K. Khaldoyanidi, R. Moya-Castro, I. U. Schraufstatter.....	1
Mesenchymal stem cells for the treatment of tendon disorders L. M. Urdzíkova, P. Lesný, E. Syková, P. Jendelová.....	14
Effect of autologous mesenchymal stem cells induced by low level laser therapy on cardiogenesis in the infarcted area following myocardial infarction in rats H. Tuby, T. Yaakobi, L. Maltz, Y. Delarea, O. Sagi-Assif, U. Oron.....	24
BMP signaling in mesenchymal stem cell differentiation and bone formation M. Beederman, J. D. Lamplot, G. X. Nan, J. H. Wang, X. Liu, L. J. Yin, R. D. Li, W. Shui, H. Y. Zhang, S. H. Kim, W. W. Zhang, J. Y. Zhang, Y. H. Kong, S. Denduluri, M. R. Rogers, A. Pratt, R. C. Haydon, H. H. Luu, J. Angeles, L. L. Shi, T.-C. He.....	32
<i>In vitro</i> differentiation of human umbilical cord-derived mesenchymal stem cells into CD34⁺ cells via CD34 antibody S. N. Guo, L. B. Guo, M. X. Sun, W. Y. Ma, Y. J. Lu, Y. Liu.....	53
Stimulation of decidua development by transplantation of endometrial stem cells A. P. Domnina, V. I. Zemelko, V. M. Mikhailov, N. N. Nikolsky.....	59
Hierarchy of mesenchymal stem cells: Comparison of multipotent mesenchymal stromal cells with fibroblast colony forming units I. N. Shipounova, N. A. Petinati, A. E. Bigildeev, N. V. Sats, N. J. Drize, L. A. Kuzmina, E. N. Parovichnikova, V. G. Savchenko.....	66

The figure on the front cover is from the article published in J. Biomedical Science and Engineering, 2013, Vol. 6, No. 8A1, pp. 1-13 by Richard G. DiScipio, *et al.*