

Recent patent applications in stem cells

| Patent number | Description | Assignee | Inventor | Priority application date | Publication date |
|-------------------------------|--|---|---|---------------------------|----------------------|
| EP 2067402 | A method for generating mutations in spermatogonial stem cells for generating nonhuman animals, comprising introducing a transposon into the spermatogonial stem cells. The method allows an alternative method for the successful generation of a variety of knockout or transgenic animal models. | Max Delbrück Center for Molecular Medicine (Berlin) | Froelich J, Grabundzija I, Hiebner N, Ivics Z, Izsvak Z, Mates L | 12/7/2007 | 6/10/2009 |
| WO 2009070683 | A method for producing fibroblast-derived stem cells comprising culturing the fibroblasts in cell culture medium for a time to allow the dedifferentiation of the fibroblasts into stem cells. | Columbia University (New York), State Univ. of New York Research Foundation (Albany, NY, USA) | Brink PR, Cohen IS, Gaudette G, Robinson RB, Rosen MR, Schuldt AJT | 11/26/2009 | 6/4/2009 |
| WO 2009070592 | A method of producing cells capable of glucose-stimulated insulin secretion by differentiating cells expressing markers characteristic of the pancreatic endoderm lineage into cells expressing markers characteristic of the pancreatic endocrine lineage. | Lifescan (Milpitas, CA, USA) | Rezania A | 11/27/2007 | 6/4/2009 |
| US 20090143863 | A method for restoring a degenerated intervertebral disc, comprising preparing a material including embryonic stem cells, placing the material in the degenerated disc and causing the material to generate notochordal cells in the disc. | M14 Spine (Bloomfield, MI, USA) | Perez-Cruet MJ | 9/22/2006 | 6/4/2009 |
| WO 2009069991, KR 2009056925 | An agent for treating urinary incontinence containing stem cells derived from the decidua of placenta or menstrual fluid or stem cells derived from adipose as an active ingredient. | RNL Bio (Seoul) | Jo JY, Kim YJ, Lee HY, Ra JC | 11/30/2007 | 6/4/2009, 6/3/2009 |
| US 20090136461, KR 2009055455 | A method for differentiating adult stem cells into nerve cells, which is used in composition for treating nerve diseases (e.g., Parkinson's disease or dementia) involving using a neural inducer such as small molecules (e.g., benzhydroxyamides). | Ahn HH, Jung HJ, Kim KS, Kim MS, Lee HB, Lee JH, Lee JY, Korea Research Institute of Chemical Technology (Daejeon, Korea) | Ahn HH, Jung HJ, Kim KS, Kim MS, Lee HB, Lee JH, Lee JY, Hai Bang L, Hee Jung J, Huyn Hee A, Jung Hwa L, Mi Hee C, Moon Suk K | 11/28/2007 | 5/28/2009, 6/2/2009 |
| WO 2009066811, KR 2009052704 | A new composition for detecting a marker, comprising a formulation for determining an expression level of protein tyrosine phosphatase (PTP), useful for detecting differentiation of a human mesenchymal stem cell into an adipocyte. | Korea Research Institute of Bioscience and Biotechnology (Daejeon, Korea) | Bae K, Jung H, Kang S, Kim DH, Kim SY, Kim WK, Lee DH, Lee SC, Park BC, Park SG | 11/21/2007 | 5/28/2009, 5/26/2009 |
| WO 2009066817 | Inducing differentiation of mesenchymal stem cells into motor neurons by inducing mesenchymal stem cells in the medium containing beta-mercaptoethanol, retinoic acid, forskolin, basic fibroblast growth factor and sonic hedgehog. | Seoul National University Industry Foundation (Seoul) | Chang M | 11/23/2007 | 5/28/2009 |
| CA 2607915 | A method of culturing stem cells exhibiting pluripotency and for inhibiting differentiation of stem cells, by culturing the stem cells in a medium containing transcription factors such as octamer transcription factor-3 (Oct-4), Nanog and sex determining region Y-box 2 (Sox2), cell surface antigens including the glycolipids stage-specific embryonic antigen (SSEA)-3 and SSEA4 and/or keratan sulfate antigens Tra-1-60 and Tra-1-81. The culture medium optionally comprises telomerase and/or oncogene-encoded c-Myc that reverse-differentiate the cells into pluripotency state. | Voon GGV | Voon GGV | 10/30/2007 | 4/30/2009 |

Source: Thomson Scientific Search Service. The status of each application is slightly different from country to country. For further details, contact Thomson Scientific, 1800 Diagonal Road, Suite 250, Alexandria, Virginia 22314, USA. Tel: 1 (800) 337-9368 (<http://www.thomson.com/scientific>).