Autologous Somatic Cells from Peripheral Blood and Uses Thereof

Inventors: Joan E. Nichols; Joaquin Cortiella; Jean A Niles; Eric Lee; Donald Prough

Description:
The present invention is directed to developing treatment for spinal cord injury, traumatic brain injury and neural disease using autologous somatic stem cells isolated from peripheral blood. The method identified in the present invention will generate functional neural cells/tissues in order to replace the diseased or damaged neural cells/tissues. In doing so, the cells will not only reverse the motor as well as cognitive dysfunction but will also stabilize the injury site, reduce inflammation and scaring, and halt progressive loss of functional tissue. Further, this method also holds a great promise since it is non-invasive, autologous and can be used acutely.


Contact:
Sundeep Mattamana, Ph.D.
Associate Director
Office of Technology Transfer
(409) 772-0374
sumattam@utmb.edu