

Curriculum vitae

Silvia Marconi was born in Caprino Veronese the 31/07/1976. She graduated in Chemistry and Pharmaceutical Technology at the University of Padova in 2001. From May 2002 to September 2003 she worked for the Department of Neurological Sciences and Vision at the University of Verona under the supervision of Prof. Bonetti focusing on expression of gangliosides on glial cells of the central nervous system in multiple sclerosis. During this experience she mastered the techniques of immunohistochemistry, immunofluorescence, western blotting, ELISA, thin layer chromatography and cell cultures.

From September 2003 to September 2004 she worked as chemist.

In October 2004 she moved back to the Department of Neurological Sciences and Vision where she is currently investigating with Prof. Bonetti the therapeutic role of mesenchymal stem cells (MSCs) in diseases of the central and peripheral nervous system. In particular, she is studying the capacity of MSCs obtained from different human and murine tissues to differentiate in vitro in cells of the neural lineage and the possibility to use these cells in several experimental models of neurological diseases, analysing their immune-modulating and reparative effects.

Selected publications

B. Bonetti, P. Valdo, G. Ossi, L. De Toni, B. Masotto, S. Marconi, N. Rizzuto, E. Nardelli, G. Moretto. T- Cell Cytotoxicity of Human Schwann Cells. *Glia* 43:141-148, 2003.

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S. Marconi, L. De Toni, L. Lovato, E. Tedeschi, L. Gaetti, M. Acler, B. Bonetti. Expression of Gangliosides on Glial and Neural Cells in Normal and Pathological Human Adult CNS. *J. Neuroimm.* 170(1-2):115-121, 2005.

S. Marconi, M. Acler, L. Lovato, L. De Toni, E. Tedeschi, E. Anghileri, S. Romito, C. Cordioli, B. Bonetti. Anti-GD2-like IgM Autoreactivity in Multiple Sclerosis Patients. *Mult Scler.* 2006 Jun;12(3):302-8.

M. Krampera, S. Marconi, A. Pasini, M. Galiè, G. Rigotti, F. Mosna, M. Tinelli, L. Lovato, E. Anghileri, A. Andreini, G. Pizzolo, A. Sbarbati, B. Bonetti. Induction of neural-like Differentiation in Human Mesenchymal Stem Cells Derived from Bone Marrow, Fat, Spleen and Thymus. *Bone* 2007; 40:382-90.

G. Mameli, V. Astone, G. Arru, S. Marconi, L. Lovato, C. Serra, S. Sotgiu, B. Sonetti, A. Dolei. Brains and peripheral blood mononuclear cells of multiple sclerosis (MS) patients hyperexpress MS-associated retrovirus/HERV-W endogenous retrovirus, but not *Human herpesvirus 6*. *J. of General Virology* (2007);88:1-11. paper n. vir81890.

E. Anghileri, S. Marconi, A. Pignatelli, P. Cifelli, M. Galié, A. Sbarbati, M. Krampera, O. Belluzzi and B. Bonetti. Neuronal differentiation potential of human adipose-derived mesenchymal stem cells. Stem Cells Dev, in press.

A. Rosati, S. Marconi, B. Pollo, A. Tomassini, L. Lovato, M. Campello, A. Schwartz, N. Rizzuto, B. Bonetti. A study of glutamine synthetase in cerebral glioblastoma multiforme. Submitted.