

Stefania Adele Riboldi

Publicazioni

A. Riviste internazionali

A1. D. WENDT, **S.A. RIBOLDI**, M. CIOFFI, I. MARTIN. *Potential and Bottlenecks of Bioreactors in 3D Cell Culture and Tissue Manufacturing*. [Adv Mat](#) (2009) vol. 21, pp. 1-16.

A2. D. WENDT, **S.A. RIBOLDI**, M. CIOFFI, I. MARTIN. *Bioreactors in tissue engineering: scientific challenges and clinical perspectives*. [Adv Biochem Eng Biotechnol](#) (2009) vol. 112, pp. 1-27.

A3. **S.A. RIBOLDI**, N. SADR, L. PIGINI, P. NEUENSCHWANDER, M. SIMONET, P. MOGNOL, M. SAMPAOLESI, G. COSSU, S. MANTERO. *Skeletal myogenesis on highly orientated microfibrillar polyesterurethane scaffolds*. [Journal of Biomedical Materials Research, Part A](#) (2008) vol. 84, pp. 1094-1101.

A4. S. MANTERO, N. SADR, **S.A. RIBOLDI**, S. LORENZONI, F.M. MONTEVECCHI. *A new electro-mechanical bioreactor for soft tissue engineering*. [Journal of Applied Biomaterials & Biomechanics](#) (2007) vol. 5, pp. 107-116.

A5. **S.A. RIBOLDI**, M. SAMPAOLESI, P. NEUENSCHWANDER, G. COSSU, S. MANTERO. *Electrospun degradable polyesterurethane membranes: potential scaffolds for skeletal muscle tissue engineering*. [Biomaterials](#) (2005) vol. 26, pp. 4606-4615.

A6. A. REMUZZI, S. MANTERO, M. COLOMBO, **S.A. RIBOLDI**, M. MORIGI, D. CAMOZZI, C. ARRIGONI, B. IMBERTI. *Vascular smooth muscle cells on hyaluronic acid: culture and mechanical characterization of an engineered vascular construct*. Abstracts of the [Second Meeting of the European Tissue Engineering Society](#), September 2003 (Genoa, Italy). [Tissue Engineering](#) (2003) vol. 9 (4), pp. 807-808.

B. Contributi in libri internazionali

B1. D. WENDT and **S.A. RIBOLDI**. *Bioreactors in Tissue Engineering: from Basic Research to Automated Product Manufacturing*. In [Fundamentals of Tissue Engineering and Regenerative Medicine](#), Eds. U. Meyer, T. Meyer, J. Handschel, H.P. Wiesmann (Springer 2009).

B2. I. MARTIN, **S.A. RIBOLDI**, D. WENDT. *Bioreactors systems in regenerative medicine*. Book chapter, [in press](#).

C. Libri italiani

D. Contributi in libri italiani

E. Atti di congressi internazionali

E1. **S.A. RIBOLDI**, D. WENDT, D.W. HUTMACHER, I. MARTIN. The presence of a collagen matrix among the fibers of fused depositino-modelled scaffolds improves their performances upon perfusion seeding. Abstract in: [8th World Biomaterials Congress](#), May 2008 (Amsterdam, The Netherlands)

E2. N. SADR, **S.A. RIBOLDI**, S. LORENZONI, F.M. MONTEVECCHI, S. MANTERO. *A novel, versatile, GLP-compatible bioreactor for electromechanical conditioning of engineered tissues*. Abstract in: [Annual TERMIS-EU Meeting](#), October 2006 (Rotterdam, The Netherlands)

E3. **S.A. RIBOLDI**, N. SADR, G. CANDIANI, P. NEUENSCHWANDER, S. MANTERO. *Cyclic mechanical stimulation favours myosin heavy chain accumulation in engineered skeletal*

muscle constructs. Abstract in: [Annual TERMIS-EU Meeting](#), October 2006 (Rotterdam, The Netherlands)

E4. **S.A. RIBOLDI**, P.A. MOGNOL, M. SAMPAOLESI, M. SIMONET, P. NEUENSCHWANDER, G. COSSU, S. MANTERO. *Electrospun polyesterurethane membranes provide a substrate for skeletal muscle cell differentiation*. Proceedings of the [2005 Summer Bioengineering Conference](#), June 2005 (Vail, Colorado, USA).

E5. P. NEUENSCHWANDER, S. MANTERO, M. SIMONET, **S.A. RIBOLDI**, P.A. MOGNOL. *Scaffolds for guiding cell growth in tissue engineering*. Abstract in: [Joint Meeting of the "Tissue Engineering Society International"](#) and the ["European Tissue Engineering Society"](#), 10th -13th October 2004 (Lausanne, Switzerland).

E6. S. MANTERO, **S.A. RIBOLDI**, E. LUCARELLI, F.M. MONTEVECCHI. *Inducing fiber structural organization in engineered skeletal muscle tissue: design of a novel bioreactor*. Abstract in: [Joint Meeting of the "Tissue Engineering Society International"](#) and the ["European Tissue Engineering Society"](#), October 2004 (Lausanne, Switzerland).

E7. **S.A. RIBOLDI**, M. SAMPAOLESI, P. NEUENSCHWANDER, F.M. MONTEVECCHI, G. COSSU, S. MANTERO. *Skeletal muscle tissue engineering: directing line myoblast and primary human satellite cells differentiation on electrospun DegraPol® scaffolds*. Abstract in: [Joint Meeting of the "Tissue Engineering Society International"](#) and the ["European Tissue Engineering Society"](#), October 2004 (Lausanne, Switzerland).

E8. **S.A. RIBOLDI**, M. SAMPAOLESI, P. NEUENSCHWANDER, F.M. MONTEVECCHI, G. COSSU, S. MANTERO. *Skeletal muscle tissue engineering: line myoblasts and primary human satellite cells on electrospun DegraPol® scaffolds*. Abstract in: [IUTAM Symposium on Mechanics of Biological Tissue](#), June — July 2004 (Graz, Austria).

E9. **S.A. RIBOLDI**, P. MOGNOL, M. SAMPAOLESI, P. NEUENSCHWANDER, S. MANTERO, G. COSSU. *Electrospun DegraPol® membranes as scaffolds for skeletal muscle tissue engineering*. [Joint Symposium of the PGS \(Polymer Group of Switzerland\) "Polymers in Life Sciences"](#), March 2004 (Basel, Switzerland).