

Curriculum Vitae

Dott. Gargioli Cesare

Data e luogo di nascita: 12 Novembre 1972, a Frascati (RM) Italy

Carriera Scolastica

- **4/2005** PhD in Biologia dello Sviluppo presso: il Centro di Medicina Rigenerativa, Dipartimento di Biologia e Biochimica, Università di Bath, UK.
- **3/2000** Laurea in Biologia “*cum laude*” presso la 2° Università di Roma “Tor Vergata”, IT.

Awards

- **2014** Ricercatore di tipo A, Università di Roma “Tor Vergata”
- **2012** Posizione “Tenure track” Chancellor, Università di Edinburgo, UK
- **1/2005-2009** Assegno di Ricerca: Università di Roma “La Sapienza”
- **3/2004** 2° Premio per la miglior foto Development/Welcome
- **10/2001-2004** Borsa di Studio: Welcome Trust
- **3/2000-9/2001** Borsa di Studio per giovani Biologi: Università di “Tor Vergata”/IRBM

Organizzazione di Convegni e Società Scientifiche

- **2017** 63° Convegno GEI, componente del comitato organizzativo
- **2016- present** Componente del Comitato Scientifico dell’IIM (Istituto Interuniversitario di Miologia).

Publicazioni selezionate

Gargioli C, Coletta M, De Grandis F, Cannata SM, and Cossu G. PlGF-MMP9 expressing cells restore microcirculation and efficacy of cell therapy in old dystrophic muscle. *Nat Med.* 2008b Sep 14(9):97

Rizzi R, Bearzi C, Arianna M, Bernardini S, Cannata S and Gargioli C. Tissue engineering for skeletal muscle regeneration. *MLTJ* 2012; 2(3): 230-34

Fuoco C, Biondo A, Salvatori ML, Shapira-Schweitzer K, Santoleri S, Bernardini S, Cannata S, Seliktar D, Cossu G and Gargioli C. Injectable PEG-fibrinogen improves survival and differentiation of transplanted myogenic progenitors in acute and chronic skeletal muscle degeneration. *Skelet Muscle* 2012; 26;2(1):24. [Epub ahead of print]

Bearzi C, Gargioli C, Baci D, Fortunato O, Shapira-Schweitzer K, Kossover O, Latronico MV, Seliktar D, Condorelli G, Rizzi R. PlGF-MMP9-engineered iPS cells supported on a PEG-fibrinogen hydrogel scaffold possess an enhanced capacity to repair damaged myocardium. *Cell Death Dis.* 2014 Feb 13;5:e1053. doi: 10.1038/cddis.2014.12.

Fuoco C, Sangalli E, Vono R, Testa S, Sacchetti B, Bernardini S, Madeddu P, Cesareni G, Seliktar D, Rizzi R, Bearzi C, Cannata S, Spinetti G, Gargioli C. 3D hydrogel environment rejuvenates aged pericytes for skeletal muscle tissue engineering. *Front Physiol.* 2014 May 30;5:203.

Fuoco C, Biondo A, Longa E, Mascaro A, Shapira-Schweitzer K, Salvatori ML, Santoleri S, Testa S, Bernardini S, Bottinelli R, Cannata S, Seliktar D, Cossu G, Gargioli C. *In vivo* generation of an entire, functional skeletal muscle. *EMBO Mol Med.* 2015 Feb 25. pii: e201404062 [Epub ahead of print]

Spada F, Fuoco C, Pirrò S, Paoluzi S, Castagnoli L, Gargioli C, Cesareni G *N Biotechnol.* Characterization by mass cytometry of different methods for the preparation of muscle mononuclear cells. 2016 Jan 7. pii: S1871-6784(15)00275-7. doi: 10.1016/j.nbt.2015.12.007. [Epub ahead of print]

Vono R, Fuoco C, Testa S, Pirrò S, Maselli D, Mc Collough DF, Sangalli E, Pintus G, Giordo R, Finzi G, Sessa F, Cardani R, Gotti A, Losa S, Cesareni G, Rizzi R, Bearzi C, Cannata S, Spinetti G, Gargioli C[#], Madeddu P[#]. Activation of the Pro-Oxidant PKC β II-p66Shc Signaling Pathway Contributes to Pericyte Dysfunction in Skeletal Muscles of Diabetic Patients with Critical Limb Ischemia. *Diabetes.* 2016 Sep 6. pii: db160248. [Epub ahead of print] (#Co-corresponding authors)

Testa S, Costantini M, Bernardini S, Trombetta M, Seliktar D, Cannata S, Rainer A and Gargioli C. Combination of biochemical and mechanical cues for tendon tissue engineering. *J Cell Mol Med*. 2017 May 4. [Epub ahead of print]

Costantini M, Testa S, Fornetti E, Barbetta A, Trombetta M, Cannata S, Gargioli C[#] and Rainer A[#]. Engineering Muscle Networks in 3D Gelatin Methacryloyl Hydrogels: Influence of Mechanical Stiffness and Geometrical Confinement. *Front Bioeng Biotechnol*. 2017 Apr 7;5:22. (#Co-corresponding authors)

Costantini M, Testa S, Mozetic P, Barbetta A, Fornaretti E, Tamiro F, Jaroszewicz J, Świążkowski W, Trombetta M, Seliktar D, Garstecki P, Cesareni G, Cannata S, Rainer A and Gargioli C. Microfluidically enhanced 3D bioprinting of highly aligned hydrogel structures for *in vitro* and *in vivo* fabrication of artificial muscle tissue. *Biomaterials*. 2017 Jul;131:98-110.

Gargioli C, Turturici G, Barreca MM, Spinello W, Fuoco C, Testa S, Feo S, Cannata SM, Cossu G, Sconzo G, Geraci F. Oxidative stress preconditioning of mouse perivascular myogenic progenitors selects a subpopulation of cells with a distinct survival advantage *in vitro* and *in vivo*. *Cell Death Dis*. 2018 Jan 3;9(1):1. doi: 10.1038/s41419-017-0012-9.