

## Publications

- Sandri M, Barberi L, Bijlsma AY, Blaauw B, Dyar KA, Milan G, Mammucari C, Meskers CG, Pallafacchina G, Paoli A, Pion D, Roceri M, Romanello V, Serrano AL, Toniolo L, Larsson L, Maier AB, Muñoz-Cánoves P, Musarò A, Pende M, Reggiani C, Rizzuto R, Schiaffino S. Signalling pathways regulating muscle mass in ageing skeletal muscle: the role of the IGF1-Akt-mTOR-FoxO pathway. *Biogerontology*. 2013 Jun;14(3):303-23.
- Patron M, Raffaello A, Granatiero V, Tosatto A, Merli G, De Stefani D, Wright L, Pallafacchina G, Terrin A, Mammucari C, Rizzuto R. The mitochondrial calcium uniporter (MCU): molecular identity and physiological roles. *J Biol Chem*. 2013 Apr 12;288(15):10750-8.
- Pallafacchina G, Blaauw B, Schiaffino S. Role of satellite cells in muscle growth and maintenance of muscle mass. *Nutr Metab Cardiovasc Dis*. 2012, Dec;23 Suppl 1:S12-8.
- Goupille O, Pallafacchina G, Relaix F, Conway SJ, Cumano A, Robert B, Montarras D, and Buckingham M. Characterization of Pax3-expressing cells from adult blood vessels. *J Cell Sci*. 2011;124(Pt 23):3980-8.
- Pallafacchina G, François S, Regnault B, Cumano A, Czarny B, Dive V, , Montarras D, Buckingham M. An adult tissue-specific stem cell in its niche: a gene profiling analysis of in vivo quiescent and activated muscle satellite cells. *Stem Cell Res*. 2010;4(2):77-91.
- Abou-Khalil R, Le Grand F, Pallafacchina G, Valable S, Authier FJ, Rudnicki MA, Gherardi RK, Germain S, Chretien F, Sotiropoulos A, Lafuste P, Montarras D, Chazaud B. Autocrine and paracrine angiopoietin 1/Tie-2 signaling promotes muscle satellite cell self-renewal. *Cell Stem Cell*. 2009;5(3):298-309.
- Crist CG, Montarras D, Pallafacchina G, Rocancourt D, Cumano A, Conway SJ, Buckingham M. Muscle stem cell behavior is modified by microRNA-27 regulation of Pax3 expression. *Proc Natl Acad Sci U S A*. 2009;106(32):13383-7.
- Calabria E, Ciciliot S, Moretti I, Garcia M, Picard A, Dyar KA, Pallafacchina G, Tothova J, Schiaffino S, Murgia M. NFAT isoforms control activity-dependent muscle fiber type specification. *Proc Natl Acad Sci U S A*. 2009;106(32):13335-40.
- Tothova J\*, Blaauw\* B, Pallafacchina\* G, Rudolf R, Argentini C, Reggiani C, Schiaffino S. NFATc1 nucleocytoplasmic shuttling is controlled by nerve activity in skeletal muscle. *J Cell Sci*. 2006 Apr 15;119(Pt 8):1604-11. (\* co-first authors)
- McCullagh K., Calabria E., Pallafacchina G., Ciciliot S., Serrano A.L., Argentini C., Kalhovde J. M., Lømo T. and Schiaffino S.. NFAT is a nerve activity sensor and controls activity-dependent myosin switching. *Proc Natl Acad Sci U S A* 2004,101:10590-95.
- Pallafacchina G, Calabria E, Serrano AL, Kalhovde JM and Schiaffino S A protein kinase B-dependent and rapamycin-sensitive pathway controls skeletal muscle growth but not fiber type specification. *Proc Natl Acad Sci U S A* 2002, 99:9213-18.

Serrano AL, Murgia M, Pallafacchina G, Calabria E, Coniglio P, Lomo T and Schiaffino S. Calcineurin controls nerve activity-dependent specification of slow skeletal muscle fibers but not muscle growth. *Proc Natl Acad Sci U S A* 2001, 98:13108-13.

Murgia M, Serrano AL, Calabria E, Pallafacchina G, Lomo T, Schiaffino S. Ras is involved in nerve-activity-dependent regulation of muscle genes. *Nat Cell Biol.* 2000;2(3):142-7.

Schiaffino S, Murgia M, Serrano AL, Calabria E, Pallafacchina G. How is muscle phenotype controlled by nerve activity? *Ital J Neurol Sci.* 1999;20(6):409-12.