

Posters

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1. Interaction between satellite cell and endothelial cell: Novel approach for intra-arterial injection of CD24-expressing satellite cells for muscular dystrophy therapy

A. Asakura

2. Ciliary neurotrophic factor attenuates hindlimb unloading-induced muscular atrophy via gp130/AMPK signaling pathway

Y.Q. Bai

3. Transcriptional profiling and computational secretome of skeletal muscle after Follistatin overexpression

C. Barbé

4. Msy-3/Csda regulates muscle wasting progression upon skeletal muscle denervation

L. Berghella

5. Integrated miRNA and mRNA expression profiling in skeletal muscle wasting in rats with cardiac cachexia

R. F. Carvalho

6. Reconstruction of molecular networks involved in cytokine-induced myotubes atrophy by integrating microRNA and mRNA expression profiling

R. F. Carvalho

7. Denervation worsens the myopathy related to active mTORC1 by affecting autophagy

P. Castets

8. Regulation of postnatal skeletal muscle growth by PPAR β/δ

P. Chandrashekar

9. Salidroside ameliorates muscular atrophy through the inhibition of TGF β 1/Smad3 signaling pathway

X.P. Chen

10. A CD38 inhibitor increases FOXO3 target gene expression in skeletal muscle

S.-H. Chiang

11. Mechanism-based strategies to treat muscle wasting in cancer cachexia

P. Costelli

12. Genetic ablation of PLD1 causes defects in nutrient-induced mTOR activation in the skeletal muscle

C. Dall'Armi

13. Physiological implication of the eukaryotic initiation factor eIF3f in the muscular homeostasis

A. Docquier

14. Heme oxygenase-1 influences muscle regeneration, myoblasts differentiation and rhabdomyosarcoma development: cross-talks with microRNAs

J. Dulak

15. Small molecule fast skeletal troponin activator CK-2127107 improves function in heart failure-induced skeletal muscle atrophy

S. Engst

16. Gαi2 signalling is required for skeletal muscle regeneration and satellite cell differentiation

M. Fornaro

17. Mechano Growth Factor peptide (MGF), the COOH terminus of unprocessed Insulin-like growth factor 1 (IGF-1), has no apparent effect on muscle myoblasts or primary muscle stem cells

M. Fornaro and A.J. Russell

18. HDAC4 regulates muscle atrophy/hypertrophy development via post-translational modifications of FOXO transcription factor

B. Fournier

19. Sciatic nerve crush injury: a model for neuromuscular changes in sarcopenia?

N. Gerwin

20. Characterization of early Pathology in a mouse model of congenital muscular dystrophy (MDC1A)

M. Girgenrath

21. Adenosine modulates skeletal muscle proteolysis via multiple P1 receptors coupled to Gs and Gi proteins

R. O. Godinho

22. Failure of CK2 to phosphorylate protein translocation machineries of muscle organelles impairs autophagy and apoptosis

S. Hashemolhosseini

23. A novel anti-inflammatory and membrane-stabilizing compound improves muscular dystrophy

C. R. Heier

24. Muscle damage after an Ironman triathlon race results in enhanced circulating and exosomal microRNAs.

M. Hofmann

25. Serum/glucocorticoid-regulated kinase 1 (SGK1) mediates muscle homeostasis in health and disease

E.A. Ivakine

26. Cytoskeletal structure in muscle is supported through an interaction between SPARC and α -actin during remodelling

L.H. Jørgensen

27. Role of TEAD Family of transcription factors in skeletal muscle differentiation

S. Joshi

28. Low expression of the C19MC microRNAs identifies COPD patients with a low regenerative capacity and a low FFMI

P.R. Kemp

29. FHL1 enhances facilitates atrophy in the hormonal milieu of chronic disease

P.R. Kemp

30. Proteasome dysfunction induces muscle growth defects and protein aggregation

Y. Kitajima

31. The role of Sdf-1 – Cxcr4 axis in migration of stem cells during skeletal muscle regeneration

K. Kowalski

32. Activin A-induces atrophy in C2C12 myotubes by inhibiting mTOR mediated protein synthesis

H. Kukreti

33. Sustained activation of mTORC1 in skeletal muscle inhibits constitutive and starvation- induced autophagy and causes a severe, late-onset myopathy

S. Lin

34. Signalling functions of the stem cell marker Nestin in muscle

J. Lindqvist

35. Calcitonin gene-related peptide (CGRP) inhibits the autophagy/lysosomal system through cAMP/PKA and AKT/FoxO1 signaling in isolated skeletal muscles

J. Machado

36. Mitochondrial calcium signaling in the control of skeletal muscle homeostasis

C. Mammucari

37. The FoxO signature in muscle wasting. Definition of the gene network that controls protein degradation

G. Milan

38. Mechanisms underlying exercise-mediated rescue of cachexia

V. Moresi

39. Inflammatory condition in regenerating skeletal muscles after inhibition of TGF β 1

P. Mosiołek

40. Nuclear receptor ERR γ -mediated metabolic and angiogenic remodeling mitigates Duchenne muscular dystrophy

V. Narkar

41. miR-542 and -424 are elevated in COPD muscle and inhibit muscle cell proliferation

S.A. Natanek

42. Inverse regulation of myogenesis and adipogenesis by caveolin-3 through type I TGF- β receptor kinase

Y. Ohsawa

43. Skeletal muscle adaptations to chronic overload: potential involvement of PGC-1 α

J. Pérez-Schindler

44. The p97/VCP ATPase is critical in muscle atrophy and for the accelerated degradation of most muscle proteins

R. Piccirillo

45. The myosin chaperone UNC-45 is organized in tandem modules to support myofilament formation in *C. elegans*

W. Pokrzywa

46. Hypertrophy in dystrophic cardiomyocytes

M. Ritso

47. A new tool to assess mitochondrial respiratory defects in single fibres

M.C. Rocha

48. Different PGC-1 α variants coordinate target gene expression and alternative splicing

J.L. Ruas

49. Role of mitochondrial dysfunction in age related inflammatory myopathy

K. A. Rygiel

50. Six homeoproteins and a linc-RNA at the fast MYH locus locks fast myofibre terminal phenotype

I. Sakakibara

51. BMP signaling controls muscle mass

R.Sartori

52. Reciprocal interaction between TWEAK-Fn14 system and PGC-1 α regulates skeletal muscle atrophy program

S. Sato

53. New approaches and novel mechanisms in Foxo1 signalling in adult skeletal muscle fibers

M.F. Schneider

54. HSP70 is a damage associated molecular pattern (DAMP) that is sufficient to induce cytokine and chemokine expression from skeletal muscle cells

S.M. Senf

55. Modulation of ROS by Myostatin in skeletal muscle

M. Sharma

56. Skeletal muscle myoblasts have a memory of previous TNF- α insults: Role of TNFRI methylation

A.P. Sharples

57. Epigenetic signatures of muscle regulatory genes during myogenesis

M. Suelves

58. Consequences of nestin ablation on muscle regeneration: a study on the nestin^{-/-} mouse

E. Torvaldson

59. Oxidative type fiber phenotype is involved in skeletal muscle dysfunction in an EDMD mouse model

N. Vignier

60. Effect of resistance exercise contraction mode and protein supplementation on members of the STARS signalling pathway

K. Vissing

61. Yap is a novel regulator of sarcomere integrity

K.I. Watt

62. The cytokine response of primary human myotubes in an *in vitro* exercise model

C. Weigert

63. *In vitro* characterization of FHL1 protein isoforms during human primary myoblast differentiation

E. Ziat