

---

# Molecular mechanisms of muscle growth and wasting in health and disease

Centro Stefano Franscini, Ascona, Switzerland  
2013

---

## SUNDAY

### Arrival

15.00 - 17.00

Registration

17.00 -18.00

### Reception

18.00

**Keynote Lectures**  
Sabatini, David

*Regulation of Growth by the mTOR Pathway*

19.00

Hall, Michael

*TOR signaling in growth and metabolism*

---

<b>MONDAY</b>		
	<b>Session</b>	<b>Repair mechanisms of skeletal muscle</b>
	<u>Chairman</u>	N.N.
<b>Speakers</b>		
08.45 - 09.00	Demaria, Paolo	<i>Introduction to the Meeting and to the Centro Stefano Franscini</i>
09.00 - 09.30	Rudnicki, Michael	<i>Molecular regulation of muscle stem cell function.</i>
09.30 - 10.00	Brack, Andrew	<i>Satellite cell self renewal and aging</i>
<b>Short talks</b>		
10.00 - 10.15	N.N.	<i>Title follows</i>
10.15 - 10.30	N.N.	<i>Title follows</i>
10.30 - 11.00	<b>Coffee Break</b>	
11.00 - 11.30	Rando, Thomas	<i>The molecular regulation of muscle stem cell quiescence</i>
11.30 - 12.00	Olwin, Bradley	<i>TBA</i>
<b>Short talks</b>		
12.00 - 12.15	N.N.	<i>Title follows</i>
12.15 - 12.30	N.N.	<i>Title follows</i>
12.30 - 14.30	<b>Lunch Break</b>	
	<b>Session</b>	<b>Disease of the nerve-muscle connection</b>
	<u>Chairman</u>	Ruegg, M.A.
<b>Speakers</b>		
14.30 - 15.00	Burden, Steven	<i>Lrp4 acts bi-directionally to coordinate synaptic differentiation</i>
15.00 - 15.30	Mei, Lin	<i>Molecular mechanisms of neuromuscular junction formation</i>
<b>Short talks</b>		
15.30 - 15.45	N.N.	<i>Title follows</i>
15.45 - 16.00	N.N.	<i>Title follows</i>
16.00 - 16.30	<b>Coffee Break</b>	
16.30 - 17.00	Burghes, Arthur	<i>Mouse models of SMA: Therapeutics and basic biology of SMA</i>
17.00 - 17.30	N. N.	
<b>Short talks</b>		
17.30 - 17.45	N.N.	<i>Title follows</i>
17.45 - 18.00	N.N.	<i>Title follows</i>
18.00 - 20.00	<b>Dinner</b>	
20.00 - 21.00	<b>Poster Session</b>	

<b>TUESDAY</b>	<b>Session</b>	<b>Excitation-contraction coupling; calcium handling; mitochondria</b>
	<u>Chairman</u>	N.N.
<b>Speakers</b>		
09.00 - 09.30	Hamilton, Susan	<i>Skeletal Muscle Regulation of Body Composition: The Role of Ca<sup>2+</sup> Influx via CaV1.1</i>
09.30 - 10.00	N.N.	
<b>Short talks</b>		
10.00 - 10.15	N.N.	<i>Title follows</i>
10.15 - 10.30	N.N.	<i>Title follows</i>
10.30 - 11.00	<b>Coffee Break</b>	
11.00 - 11.30	Benneth, Anton	<i>Making Muscle by Protein Tyrosine Dephosphorylation</i>
11.30 - 12.00	Lynch, Gordon	<i>Therapeutic potential of heat shock protein induction for muscle wasting conditions</i>
<b>Short talks</b>		
12.00 - 12.15	N.N.	<i>Title follows</i>
12.15 - 12.30	N.N.	<i>Title follows</i>
12.30 - 14.30	<b>Lunch Break</b>	
	<b>Session</b>	<b>Mechanisms controlling muscle size</b>
	<u>Chairman</u>	N.N.
<b>Speakers</b>		
14.30 - 15.00	Krauss, Robert	<i>Classical cadherins and myogenesis</i>
15.00 - 15.30	Ruegg, Markus	<i>mTOR and the control of autophagy in skeletal muscle</i>
<b>Short talks</b>		
15.30 - 15.45	N.N.	<i>Title follows</i>
15.45 - 16.00	N.N.	<i>Title follows</i>
16.00 - 16.30	<b>Coffee Break</b>	
16.30 - 17.00	Sandri, Marco	<i>Novel signaling pathways that control muscle atrophy and hypertrophy</i>
17.00 - 17.30	Guttridge, Denis	<i>NF-κB signaling in muscle wasting disorders</i>
<b>Short talks</b>		
17.30 - 17.45	N.N.	<i>Title follows</i>
17.45 - 18.00	N.N.	<i>Title follows</i>
18.00 - 20.00	<b>Dinner</b>	
20.00 - 21.00	<b>Poster Session</b>	

<b>WEDNESDAY</b>		
	<b>Session Chairman</b>	<b>Epigenetics and microRNAs in muscle function</b> Glass, D.J.
<b>Speakers</b>		
09.00 - 09.30	Olson, Eric	TBA
09.30 - 10.00	N. N.	
<b>Short talks</b>		
10.00 - 10.15	N.N.	<i>Title follows</i>
10.15 - 10.30	N.N.	<i>Title follows</i>
<b>10.30 - 11.00 Coffee Break</b>		
11.00 - 11.30	Gabellini, Davide	<i>FSHD muscular dystrophy: a walk on the dark side of the (epi)genome</i>
11.30 - 12.00	Muñoz-Cánoves, Pura	<i>New regulators of physiological adult muscle growth</i>
<b>Short talks</b>		
12.00 - 12.15	N.N.	<i>Title follows</i>
12.15 - 12.30	N.N.	<i>Title follows</i>
<b>12.30 - 14.30 Lunch Break</b>		
	<b>Session Chairman</b>	<b>Metabolic dynamics of skeletal muscle</b> Guttridge, Denis
<b>Speakers</b>		
14.30 - 15.00	Puigserver, Pere	<i>Transcriptional programming of the mitochondrial bioenergetics in skeletal muscle</i>
15.00 - 15.30	N.N.	
<b>Short talks</b>		
15.30 - 15.45	N.N.	<i>Title follows</i>
15.45 - 16.00	N.N.	<i>Title follows</i>
<b>16.00 - 16.30 Coffee Break</b>		
	<b>Session Chairman:</b>	<b>Metabolic dynamics; Interaction with other organs</b> N.N.
<b>Speakers</b>		
16.30 - 17.00	Sartorelli, Vittorio	<i>Regulatory Functions of SIRT1 in Skeletal Muscle</i>
17.00 - 17.30	Rossi, Fabio	TBA
<b>Short talks</b>		
17.30 - 17.45	N.N.	<i>Title follows</i>
17.45 - 18.30	N.N.	<i>Title follows</i>
<b>18.00 - 20.00 Dinner</b>		
<b>20.00 - 21.00 Poster Session</b>		

*Molecular mechanisms of muscle growth and wasting in health and disease 2013*

<b>THURSDAY</b>	<b>Session <u>Chairman</u></b>	<b>Mechanisms of sarcopenia and cachexia</b>
		Campbell, K.
<b>Speakers</b>		
09.00 - 09.30	Moraes, Carlos	<i>Muscle wasting and mitochondrial function</i>
09.30 - 10.00	Glass, David	<i>Signaling pathways that mediate skeletal muscle atrophy, hypertrophy and aging</i>
<b>Short talks</b>		
10.00 - 10.15	N.N.	<i>Title follows</i>
10.15 - 10.30	N.N.	<i>Title follows</i>
<b>10.30 - 11.00 Coffee Break</b>		
<b>Speakers</b>		
11.00 - 11.30	Esser, Karyn	<i>Circadian Rhythms, the molecular clock and muscle: why muscle needs to keep time</i>
11.30 - 12.00	Judge, Andrew	<i>New insights into the regulation of FoxO signaling in skeletal muscle</i>
<b>Short talks</b>		
12.00 - 12.15	N.N.	<i>Title follows</i>
12.15 - 12.30	N.N.	<i>Title follows</i>
<b>12.30 - 14.30 Lunch Break</b>		
	<b>Session <u>Chairman</u></b>	<b>Muscular dystrophies and development of therapeutic strategies</b>
		N.N.
<b>Speakers</b>		
14.30 - 15.00	Campbell, Kevin	<i>Mechanistic insights into dystroglycan glycosylation and muscular dystrophy</i>
15.00 - 15.30	McNally, Elizabeth	<i>Matrix regulation of muscle degeneration in muscular dystrophy</i>
<b>Short talks</b>		
15.30 - 15.45	N.N.	<i>Title follows</i>
15.45 - 16.00	N.N.	<i>Title follows</i>
<b>16.00 - 16.30 Coffee Break</b>		
<b>Speakers</b>		
16.30 - 17.00	Keller, Charles	<i>Dynamic oncogene expression drives checkpoint adaptation in rhabdomyosarcoma</i>
17.00 - 17.30	Charlet-Berguerand, N.	<i>microRNA and messenger RNA processing alterations in Myotonic Dystrophy</i>
<b>Short talks</b>		
17.30 - 17.45	N.N.	<i>Title follows</i>
17.45 - 18.00	N.N.	<i>Title follows</i>
<b>18.00 - 22.00 Gala Dinner</b>		
<b>FRIDAY</b>		
	<b>Departure</b>	