



# Ca<sup>2+</sup> entry during skeletal muscle differentiation: Role of STIM, Orai and TRPC channels

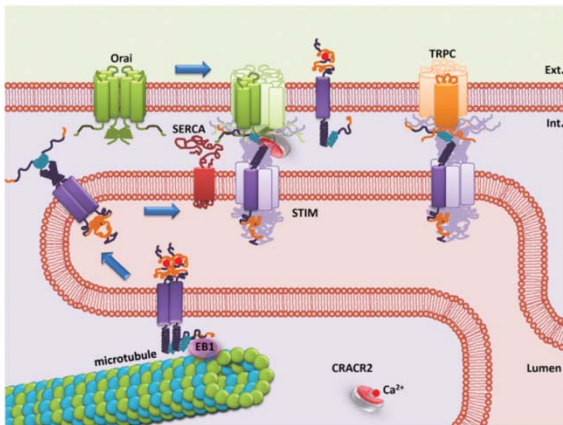
GUEST LECTURE by

**Dr. Maud Frieden**

Department of Cell Physiology and  
Metabolism, University of Geneva,  
Switzerland

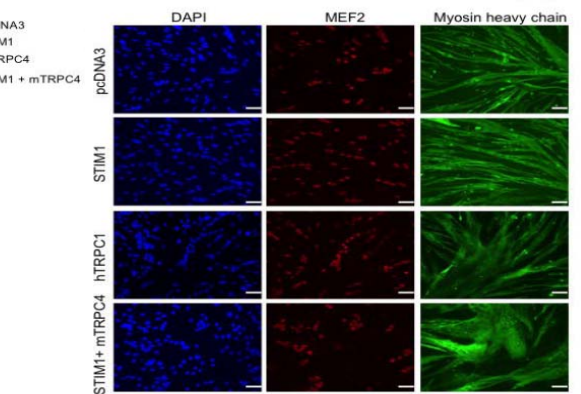
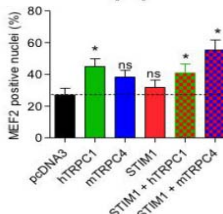
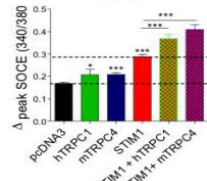
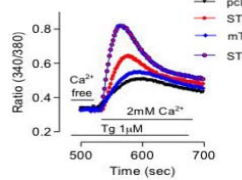
Thursday, 20.06.2013  
17:00h

Seminar Room 07.11, Preclinics  
(Harrachgasse 21, 1<sup>st</sup> floor), MUG



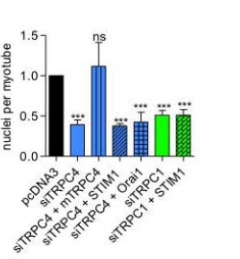
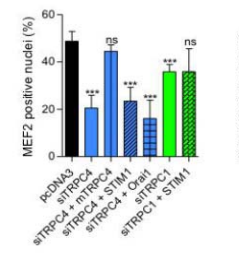
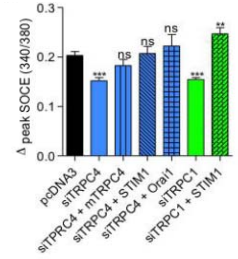
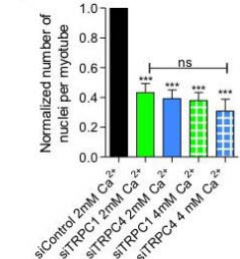
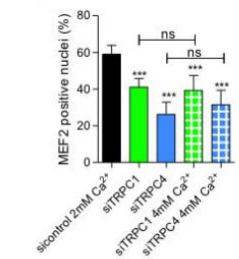
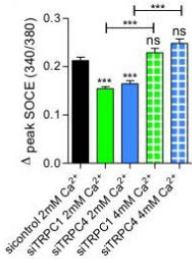
Molecular assembly of the SOCE complex.

from: Remodelling of the endoplasmic reticulum during store-operated calcium entry. Shen et al. (2011) Biol Cell 103:365-80



STIM1-TRPC1 or -TRPC4 overexpression accelerates myoblast differentiation.

from: TRPC mediated Ca<sup>2+</sup> in flux in myogenesis. Antigny et al. (2013) J Cell Sci (in press)



Ca<sup>2+</sup> entry through TRPC1 and TRPC4 isoforms is required for normal human myoblast differentiation.