



# An inside view of $Ca^{2+}$ regulation in vascular smooth muscle cells

GUEST LECTURE by

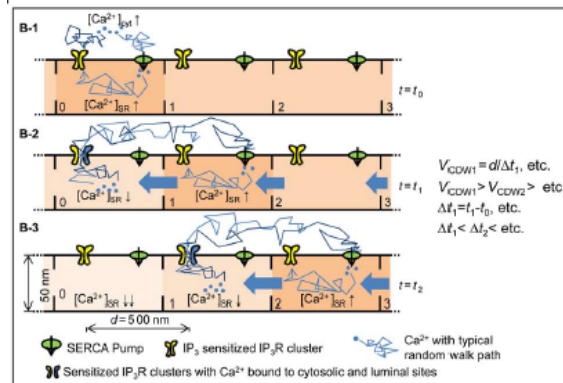
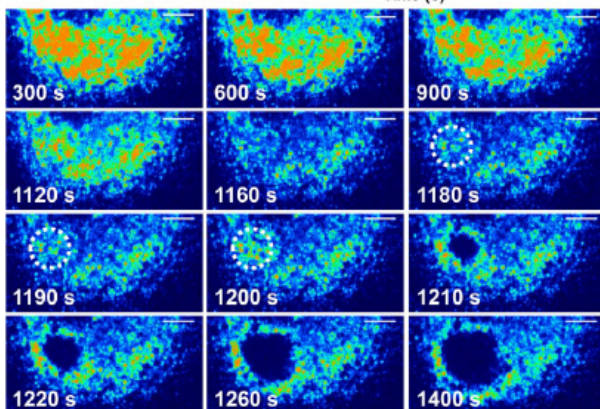
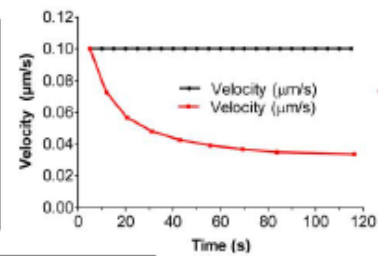
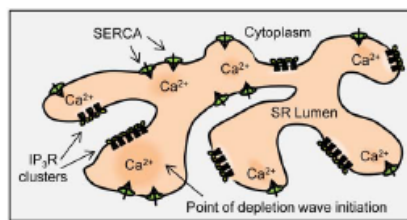
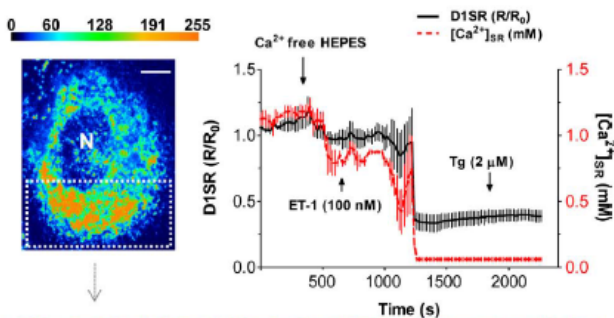


**Nicola Fameli, PhD**

Department of Anaesthesiology,  
Pharmacology and Therapeutics, University  
of British Columbia, Vancouver, Canada &  
Centre for Integrative Physiology  
University of Edinburgh, Edinburgh, UK

**Monday, 27.05.2013  
17:00h**

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



Simplified quantitative model for propagation of SR  $Ca^{2+}$  depletion waves.

Progression of ET-1-induced regenerative  $Ca^{2+}$  depletion wave in the absence of extracellular  $Ca^{2+}$ .

Esfandiarei M, Fameli N, Choi YY, Tehrani AY, Hoskins JG, van Breemen C (2013) Waves of calcium depletion in the sarcoplasmic reticulum of vascular smooth muscle cells: an inside view of spatiotemporal  $Ca^{2+}$  regulation. PLoS One 8(2):e55333