



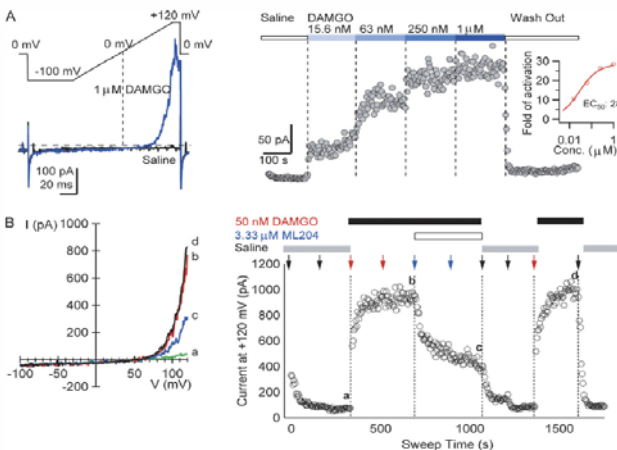
COINCIDENT ACTIVATION OF TRPC4 CHANNEL BY $G_{i/o}$ AND PLC PATHWAYS AND ITS IMPLICATION IN NEURONAL FUNCTION



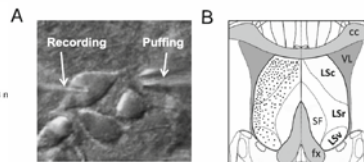
Prof. Michael X. Zhu, PhD
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Thursday, 27.11.2014
17:00

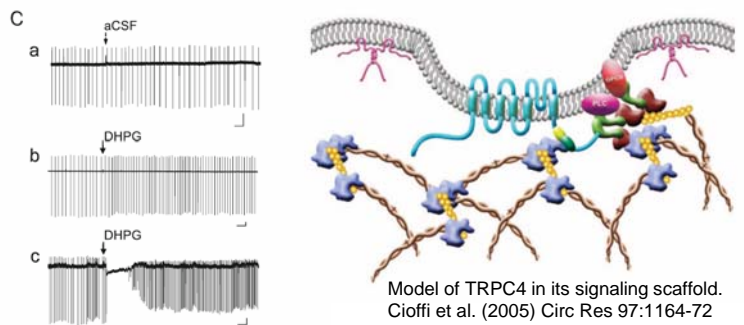
SR 07.11, Preclinics
Harrachgasse 21, MUG



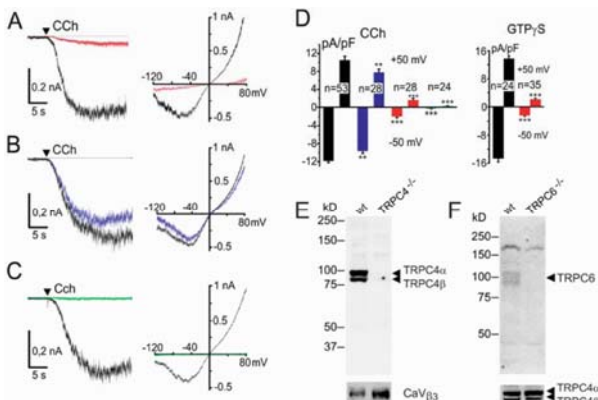
Activation of heterologously expressed TRPC4 channels and its inhibition by ML204. Miller et al. (2011) J Biol Chem 286:33436-46



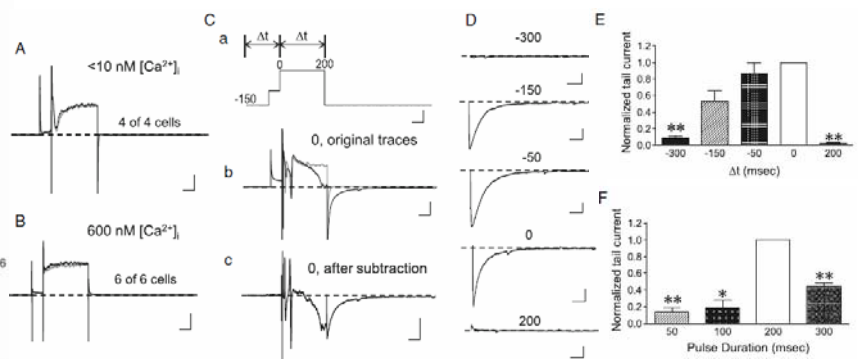
Pressure ejection of DHPG elicits two distinct response patterns of LS neuron firing in loose patch recordings. Tiabin et al. (2014) Eur J Physiol 466:1301-16



Model of TRPC4 in its signaling scaffold. Cioffi et al. (2005) Circ Res 97:1164-72



TRPC4 and TRPC6 underlie mI_{CAT} in ileal smooth muscle cells Tsvilovsky et al. (2009) Gastroenterology 137(4):1415-24



Dependence on intracellular Ca^{2+} dynamics and temporal relationship between mGluR stimulation and membrane depolarization of TRPC4-cc activation in LS neurons. Tiabin et al. (2014) Eur J Physiol 466:1301-16