



NANOJUNCTIONS AND Ca²⁺ SIGNALING

GUEST LECTURE by

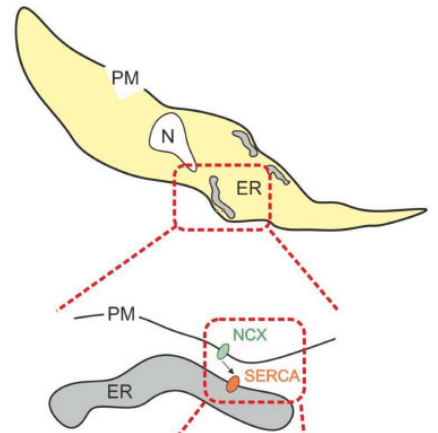
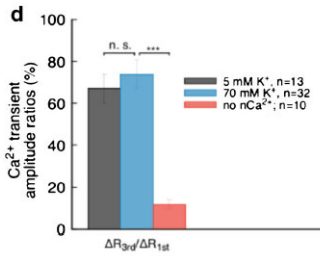
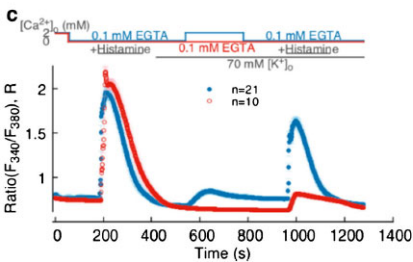
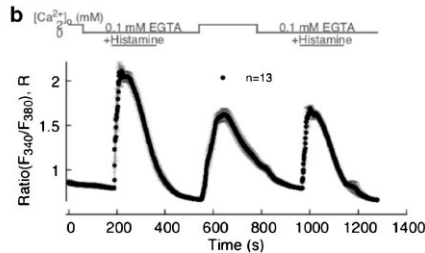
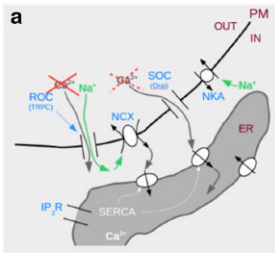


Dr. Nicola Fameli

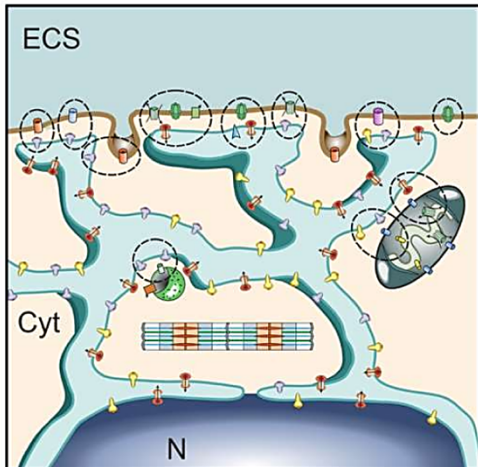
Independent Researcher
Vancouver, Canada

Monday, 24.07.2023, 16:00

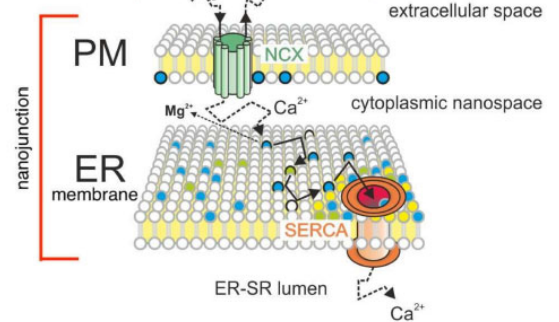
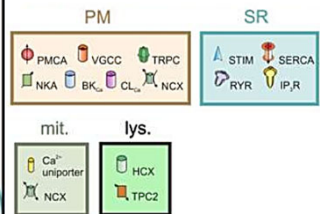
Seminar room SR35 (MC2.J.01.040, 1st floor),
MED Campus



Schematics of the possible ion fluxes at PM-ER junctions between the extra-cellular space and ER under 70-nM-[K⁺]_o depolarizing conditions.
Di Giuro *et al.* (2017) Pflügers Arch - Eur J Physiol 469:1287-99



Hypothetical rendition of how the ER coordinates a multitude of different Ca²⁺ signals by involving multiple nanojunctions between the ER membrane, on the one hand, and the PM, mitochondria and lysosomes, on the other.
van Breemen *et al.* (2022) Int J Mol Sci 23:850



Simplified hypothetical mechanism for refilling the ER at a nanojunction between the PM and ER.
van Breemen *et al.* (2022) Int J Mol Sci 23:850