



A UNIQUE MODE OF REGULATION AND PHYSIOLOGICAL ROLE OF NCLX IN MITOCHONDRIAL Ca²⁺ SIGNALING

GUEST LECTURE by



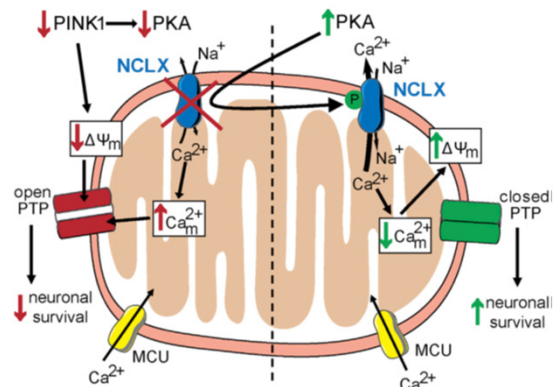
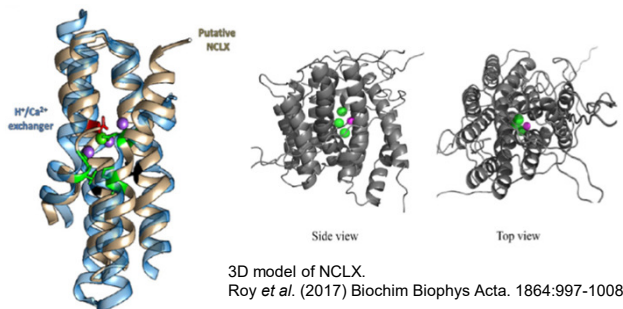
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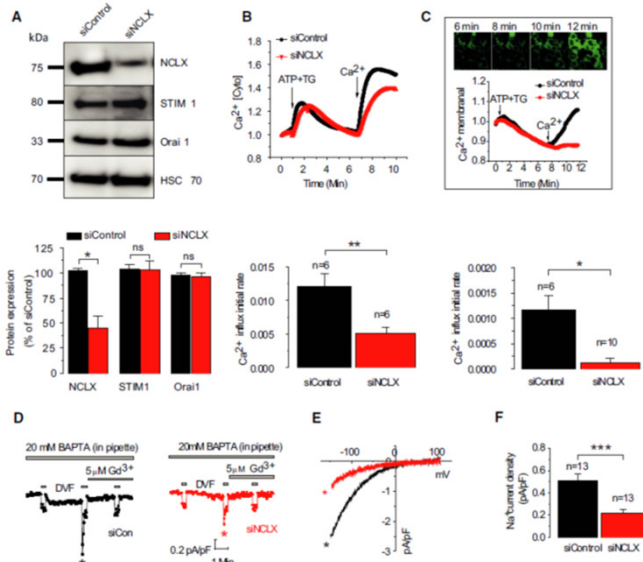
Tuesday, 22.01.2019

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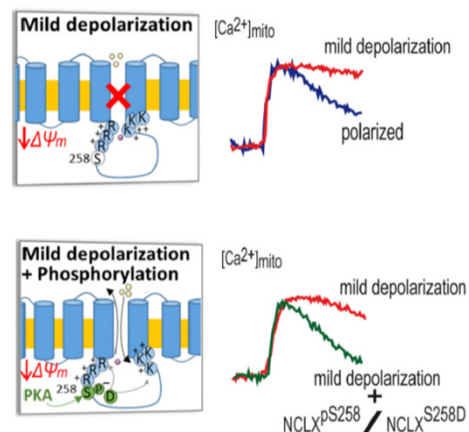
MC1.G.01.005 (Seminar room 01 – Applied
Biomedicine, MED Campus, tract G, 1st floor), MUG



PKA phosphorylation of NCLX reverses mitochondrial Ca²⁺ overload and depolarization, promoting survival of PINK1-deficient dopaminergic neurons.
Kostic *et al.* (2015) *Cell Reports*. 13:376-86



NCLX controls SOCE activity.
Nissim *et al.* (2017) *EMBO J*. 36:797-815



Allosteric regulation of NCLX by mitochondrial membrane potential links the metabolic state and Ca²⁺ signaling in mitochondria.
Kostic *et al.* (2018) *Cell Rep*. 25:3465-75