FWF Austrian Science Fund

Doctoral College
Metabolic & Cardiovascular Disease

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ORGANELLAR Ca^{2+} REGULATORS (OCaRs) DETERMINING NAADP-MEDIATED Ca^{2+} RELEASE FROM ACIDIC INTRACELLULAR STORES IN PANCREATIC ACINAR CELLS AND CARDIOMYOCYTES

GUEST LECTURE by

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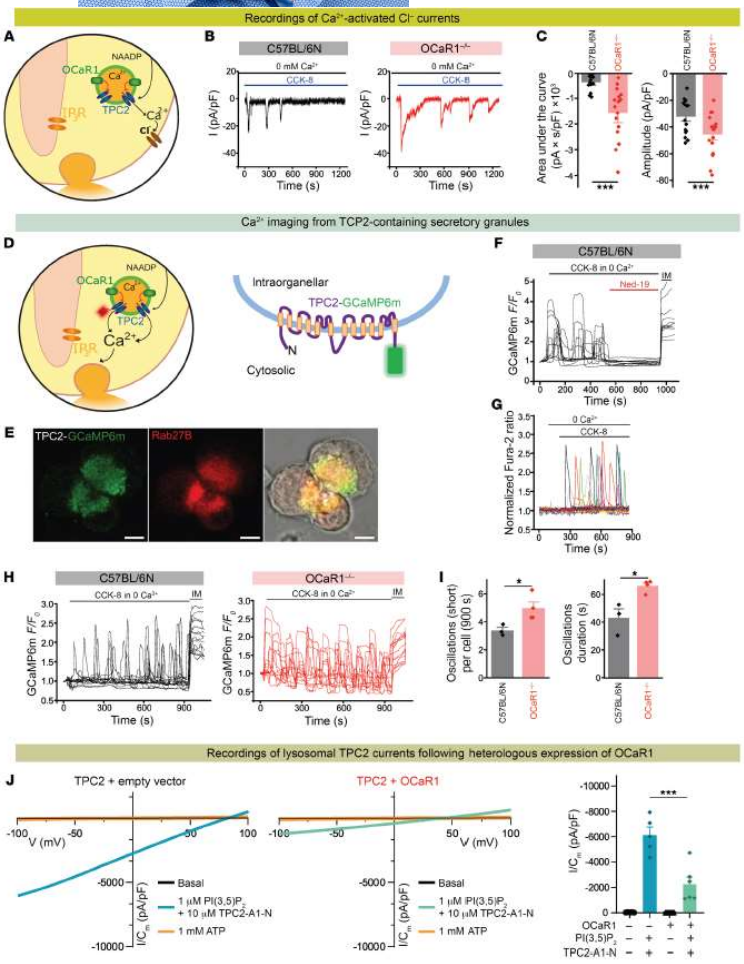
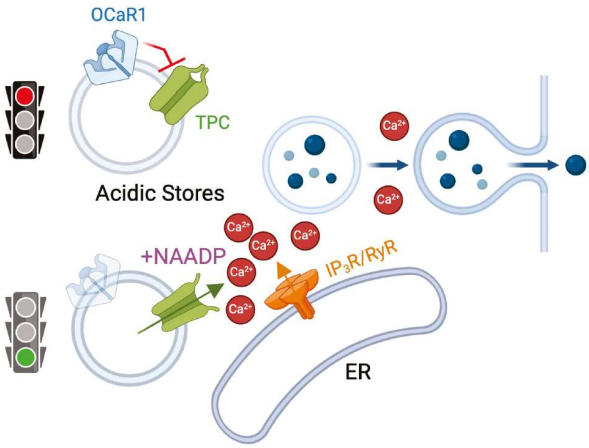
Friday, 14.06.2024, 10:00

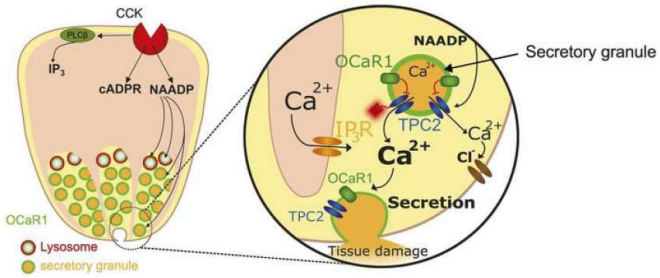
Seminar room SR 35 (MC2.J.01.040, 1st floor), MED Campus



Enhanced cholecystokinin-evoked exocytosis is mediated by Ca^{2+} release events from TPC2-containing vesicles.



Stretching the role of TMEM63a to gatekeeping Ca^{2+} release in pancreatic acinar cells. Patel & Yule (2024) Cell Calcium 121:102890 DOI: 10.1016/j.ceca.2024.102890



OCaR1 endows exocytic vesicles with autoregulatory competence by preventing uncontrolled Ca^{2+} release, exocytosis, and pancreatic tissue damage.

Tsvilovskyy *et al.* (2024) J Clin Invest. 134(7):e169428 DOI: 10.1172/JCI169428