**Raz Palty Publications**

Ohana E, Segal D, Palty R, Ton-That D, Moran A, Sensi SL, Weiss JH, Hershfinkel M and I Sekler. A sodium zinc exchange mechanism is mediating extrusion of zinc in mammalian cells. **J Biol Chem.** 279:4278-84, 2004.

Palty R, Ohana E, Hershfinkel M, Volokita M, Elgazar V, BaharirO, Silverman WF, Argaman M and I. Sekler. Lithium-calcium exchange is mediated by a distinct potassium-independent sodium-calcium exchanger. **J Biol. Chem.** 279:25234-40, 2004

Palty R, Hershfinkel M, Yagev O, Saar D, Barkalifa R, Khananshvili D, Peretz A, Grossman Y and I Sekler. Single alpha-domain constructs of the Na+/Ca2+ exchanger, NCLX, oligomerize to form a functional exchanger. **Biochemistry** 45:11856-66, 2006.

Palty R, Silverman WF, Hershfinkel M, Caporale T, Sensi SL, Parnis J, Nolte C, Fishman D, Shoshan-Barmatz V, Herrmann S, Khananshvili D, Sekler I.

NCLX is an essential component of mitochondrial Na+/Ca2+ exchange.

**Proc Natl Acad Sci U S A.** 107(1):436-41. 2010

Palty R, Raveh A, Kaminsky I, Meller R, Reuveny E.

[SARAF Inactivates the Store Operated Calcium Entry Machinery to Prevent Excess Calcium Refilling.](http://www.ncbi.nlm.nih.gov/pubmed/22464749) **Cell.** 149(2):425-38. 2012

Palty R, Sekler I.

[The mitochondrial Na(+)/Ca(2+) exchanger.](http://www.ncbi.nlm.nih.gov/pubmed/22430014)

**Cell Calcium.** 52(1):9-15. 2012

Palty R, Hershfinkel M, Sekler I.

# Molecular identity and functional properties of the mitochondrial Na+/Ca2+ exchanger.

[**J Biol Chem.**](http://www.ncbi.nlm.nih.gov/pubmed/22822063) 287(38):31650-7. 2012

Danya Ben-Hail, Raz Palty, Varda Shoshan-Barmatz

Measurement of mitochondrial Ca2+ transport as mediated by VDAC1, by the Na+/Ca2+ exchanger and by the Ca2+ uniporter.

**Cold Spring Harb Protoc.** 2014(2):161-6. 2014

[Bharill S](http://www.ncbi.nlm.nih.gov/pubmed?term=Bharill%20S%5BAuthor%5D&cauthor=true&cauthor_uid=24748110), [Fu Z](http://www.ncbi.nlm.nih.gov/pubmed?term=Fu%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=24748110), [Palty R](http://www.ncbi.nlm.nih.gov/pubmed?term=Palty%20R%5BAuthor%5D&cauthor=true&cauthor_uid=24748110), [Isacoff EY](http://www.ncbi.nlm.nih.gov/pubmed?term=Isacoff%20EY%5BAuthor%5D&cauthor=true&cauthor_uid=24748110).

# Stoichiometry and specific assembly of Best ion channels.

**Proc Natl Acad Sci U S A.** 111(17):6491-6. 2014