

LISTA DE LUCRĂRI

Titlul tezei de doctorat: "The Physiological Role of Mitochondrial $\text{Na}^+/\text{Ca}^{2+}$ Exchanger in Pancreatic β Cells", **Profesor Israel Sekler**, 2012, Universitatea Ben-Gurion, Israel, calificativul foarte bine

Articole publicate în extenso

Articole în reviste cotate ISI, cu factor de impact

1. Ozeri E., Rider P., Rigbi S., Shahaf G., **Nita I.I.**, Sekler I., Lewis E.C., Schuster R. *Differential Signaling Patterns of Stimulated Bone Marrow Derived Dendritic Cells under α 1-Antitrypsin-Enriched Conditions*. Cellular Immunology, 2021, 361: 1-11, doi.org/10.1016/j.cellimm.2020.104281, ISSN 0008-8749, FI: 4.868
2. Tkatch T., Greottib E., Baranauskasa G., Pendinb D., Roy S., **Nita L.I.**, Wettmarshausend J., Priggef M., Yizharf O., Shiriha O.S., Fishman D., Hershfinkel M., Fleidervisha I.A., Perocchi F., Pozzan T., Sekler I. *Optogenetic Control of Mitochondrial Metabolism and Ca^{2+} Signaling by Mitochondria-Targeted Opsins*. PNAS 2017, 114: E5167–E5176, doi.org/10.1073/pnas.1703623114, ISSN 0027-8424, FI: 9.8
3. **Nita I.I.**, Caspi Y., Gudges S., Fishman D., Lev S., Hershfinkel M., Sekler I., Binshtok A.M. *Privileged Crosstalk Between TRPV1 Channels and Mitochondrial Ca^{2+} Shuttling Machinery Controls Nociception*. Biochim Biophys Acta, 2016, 1863: 2868-2880, dx.doi.org/10.1016/j.bbamcr.2016.09.009, ISSN 0167-4889, FI: 4.5
4. **Nita L.I.**, Hershfinkel M., Sekler I. *Life After the Birth of the Mitochondrial $\text{Na}^+/\text{Ca}^{2+}$ Exchanger, NCLX*. Sci China Life Sci., 2015, 58:59-65, doi: 10.1007/s11427-014-4789-9, ISSN 1674-7305, FI: 2.297
5. **Nita I.I.**, Hershfinkel M., Lewis E.C., Sekler I. *A Crosstalk Between Na^+ Channels, Na^+/K^+ Pump and Mitochondrial Na^+ Transporters Controls Glucose-Dependent Cytosolic and Mitochondrial Na^+ Signals*. 2015, Cell Calcium, 57:69-75, doi.org/10.1016/j.ceca.2014.12.007, ISSN 0143-4160, FI: 3.15
6. **Nita I.I.**, Hershfinkel M., Kantor C., Rutter G.A., Lewis E.C., Sekler I. *Pancreatic β -cell Na^+ Channels Control Global Ca^{2+} Signaling and Oxidative Metabolism by Inducing Na^+ and Ca^{2+} Responses That are Propagated into Mitochondria*. 2014, FASEB J., 28:3301-3312, doi: 10.1096/fj.13-248161, ISSN 0892-6638, FI: 5.394
7. **Nita I.I.**, Hershfinkel M., Fishman D., Ozeri E., Rutter G.A., Sensi S.L., Khananshvili D., Lewis E.C., Sekler I. *The Mitochondrial $\text{Na}^+/\text{Ca}^{2+}$ Exchanger Upregulates Glucose Dependent Ca^{2+} Signaling Linked to Insulin Secretion*. 2012, PLoS One, 7:e46649, 10.1371/journal.pone.0046649, ISSN 1932-6203, FI: 4.276
8. Feldman B., Fedida-Metula S., **Nita J.**, Sekler I., Fishman D. *Coupling of Mitochondria to*

Store-Operated Ca²⁺ - Signaling Sustains Constitutive Activation of Protein Kinase B/Akt and Augments Survival of Malignant Melanoma Cells, 2010, *Cell Calcium* 47:525-37, doi.org/10.1016/j.ceca.2010.05.002, ISSN 0143-4160, FI: 3.88

9. Abu-Rabeah K.¹, **Niță I.I.**¹, Tencaliec A.M., Marks R.S. New approach of constructing biosensing matrices by physical and chemical crosslinking of biotin-alginate with alginate-pyrrole. 2009, *Electrochimica Acta*, 54: 4359–4364, doi:10.1016/j.electacta.2009.03.005, ISSN 0013-4686, FI: 3.44

¹ Both authors contributed equally to this work.

10. **Niță I.I.**¹, Abu-Rabeah K.¹, Tencaliec A.M., Cosnier S., Marks R.S. *Amperometric biosensor based on the electro-copolymerization of a conductive biotinylated-pyrrole and alginate-pyrrole*. 2009, *Synthetic Metals*, 159: 1117–1122, doi:10.1016/j.synthmet.2009.01.041, ISSN 0379-6779, FI: 1.984

¹ Both authors contributed equally to this work.