

## **ORIGINAL PUBLICATIONS IN PEER REVIEWED JOURNALS**

- 1 **Nilni EA** (Ms. Thesis). 1976. Penetration of macromolecules into the central nervous system. University of Buenos Aires, Argentina.
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  - 4 **Nilni EA**. 1982 (Ph.D. thesis). Characterization of intracellular and excreted components of malaria parasites. The Hebrew University of Jerusalem, Hadassah Medical School, Jerusalem, Israel.
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  - 9 Mikkelsen R, Wallach DFH and **Nilni EA**. 1986. Studies on the membrane potential of erythrocytic stages of Plasmodium free of the host cell membrane. Mol. Biochem. Parasitol. 21, 83-94.
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- 10 **Nilni EA**, Sevarino KA, Wu P and Jackson IMD. 1991. Assays for biosynthesis of TRH. Methods in Neurosciences, 6:51-69, Academic Press.
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- 13 Jackson IMD, Bruhn TO, Rondeel JMM, **Nilni EA** and Chang-Demoranville. 1994. Regulation of TRH expression in the anterior pituitary gland. In Melmed S(Ed) *Molecular and Clinical Advances in Pituitary Disorders. Proceedings of the 3rd International Pituitary Congress.* pp. 311-315.
- 14 Friedman TC, Loh P , Huang SS, Jackson IMD and **Nilni EA**. 1995 Processing of proTRH by bovine intermediate lobe secretory vesicles membranes PC1 and PC2 enzymes. *Endocrinology.* 136, 4462-4472.
- 15 **Nilni EA**, Friedman TC, Todd RB, Nigel Birch, Loh P. and Jackson IMD. 1995. ProTRH processing by a recombinant PC1 enzyme. *J. Neurochem.* 65, 2462-2472.
- 16 Legradi, G, Rand WM, Hitz S, **Nilni EA**, IMD Jackson, and RM Lechan. 1996. Opiate withdrawal increases proTRH gene expression in the ventrolateral column of the midbrain periaqueductal gray. *Brain Res.* 729, 10-19.
- 17 Perez de la Cruz, I and **Nilni EA**. 1996. Intracellular sites of prothyrotropin-releasing hormone processing. *J. Biol. Chem.* 271, 22736-22745.
- 18 **Nilni, EA**, Luo LG , Jackson IMD and McMillan P. 1996. Identification of the TRH precursor, its processing products and its coexpression with convertase 1 (PC1) in primary cultures of hypothalamic neurons. Anatomic location of PC1 and PC2. *Endocrinology.* 137, 5651-5661.
- 19 Schaner, P, Todd RB, Seidah NG and **Nilni EA**. 1997. Processing of prothyrotropin releasing hormone by the family of prohormone convertases. *J. Biol. Chem.* 272, 19958-19968.
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- 22 **Nilni EA**, Vaslet C, Harris M, Hollenberg A, Bjorbak C, Flier JS. 2000 Leptin Regulates Prothyrotropin-releasing Hormone Biosynthesis. EVIDENCE FOR DIRECT AND INDIRECT PATHWAYS. *J Biol Chem.* 275(46):36124-36133.

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- 24 Harris M, Aschkenasi C, Elias CF, Chandrankunnel A, **Nilni EA**, Bjorbaek C, Elmquist JK, Flier JS, Hollenberg AN. 2001. Transcriptional regulation of the thyrotropin-releasing hormone gene by leptin and melanocortin signaling. *J Clin Invest* 107(1):111-120.
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53. Cantuti-Castelvetri I, Hernandez LF, Keller-McGandy CE, Kett LR, Landy A, Hollingsworth ZR, Saka E, Crittenden JR, Nillni EA, Young AB, Standaert DG, Graybiel AM. [Levodopa-Induced Dyskinesia Is Associated with Increased Thyrotropin Releasing Hormone in the Dorsal Striatum of Hemi-Parkinsonian Rats.](#) PLoS One. 2010 Nov 10;5(11):e13861.PMID: 21085660 [PubMed - as supplied by publisher]

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### **PUBLICATIONS SUBMITTED**

60. Age-associated and leptin-dependent regulation of AgRP/NPY synaptic innervations in hypothalamic feeding center. 2010. Jamila Newton, Jenifer C. Lascano, Eduardo A. Nillni and Allison W. Xu. Submitted to Nature Medicine.

61. Deficiency of PTP1B in POMC neurons leads to differential effects on energy balance and homeostatic response to cold exposure. Bart C. De Jonghe, Matthew R. Hayes, Ryohichi Banno, Karolina P. Skibicka, Derek E. Zimmer, Kerisha A. Bowen, Theresa M. Leichner, Amber L. Alhadeff, Scott E. Kanoski, Eduardo A. Nillni, Harvey J. Grill, and Kendra K. Bence. 2010. Submitted to the American Journal of Physiology, Endo and Metabol.

62. Hypothalamic Endoplasmic Reticulum Stress developed during obesity decreases the biosynthesis of the anorexigenic  $\alpha$ -MSH peptide independent of leptin resistance. Isin Çakir, Mario Perello, Nicole Cyr, Bogdan Patedakis Litvinov, Amparo Romero, Ronald C. Stuart, and Eduardo A. Nillni. 2010. Submitted.