

NEO

LABORATORY OF NEUROENDOCRINE ORGANIZATION
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PUBLICATIONS

- 2004 **Dudas B**, Hanin I, Rose M and Wülfert E. Protection against Inflammatory Neurodegeneration and Glial Cell Death by 7 β -hydroxy epiandrosterone (7 β -OH EPIA), a novel neurosteroid. *Neurobiology of Disease* 15(2): 262-268, 2004.
- Dudas B** and Merchenthaler I. Topography and associations of β -endorphin and luteinizing hormone-releasing hormone neuronal systems in the human diencephalon. *Neuroscience* 124 (1) 221-229, 2004.
- Rose M, **Dudas B**, Cornelli U and Hanin I. Glycosaminoglycan C3 protects against on AF64A-induced cholinotoxicity in a dose- and time-related manner. *Brain Research* 1015:96-102, 2004.
- Dudas B** and Merchenthaler I. Bidirectional associations between galanin and luteinizing hormone-releasing hormone neuronal systems in the human diencephalon. *Neuroscience* 127(3) 695-707, 2004.
- 2005 **Dudas B**, Rose M, Cornelli U and Hanin I. Low molecular weight glycosaminoglycan C3 attenuates AF64A-stimulated, low affinity nerve growth factor receptor-immunoreactive axonal varicosities in the rat septum. *Brain Research* 1033:34-40, 2005.
- Semeniken KR, Hanin I and **Dudas B**. Low intracerebroventricular doses of cholinotoxin AF64A do not affect the morphology of gonadotropin hormone-releasing hormone (GnRH)-immunoreactive fibers in the rat septum. *Brain Research* 1049:240-243, 2005. (IF:2.474)
- 2006 **Dudas B** and Merchenthaler I. Three dimensional representation of the neurotransmitter systems of the human hypothalamus: inputs of the luteinizing hormone-releasing hormone neuronal system. *Review. J of Neuroendocrinology* 18(2):79-95 (IF:3.418)

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BOOK CHAPTERS

- Dudas B.**, Rose M., Cornelli U., Ambrosi L.D., Cornelli M. and Hanin I. Glycosaminoglycans and Neuroprotection; Effect on Cholinergic Neurodegeneration. In: Hanin I., Fisher, A., Cacabelos, R, editor. *Alzheimer's and Parkinson's Diseases: new perspectives*. London: Martin Dunitz, 2005.
- Dudas B.** Low molecular weight glycosaminoglycans and apoptosis: potential treatment of neurodegenerative disorders including Alzheimer's Disease. In: Eileen M. Welsh, Editor. *Progress in Alzheimer's Disease Research*. Nova Science Publishers, 2005. *In Press*.

B. Dudas, U. Cornelli, A. Lemes and I. Hanin. Prospective role of glycosaminoglycans in the treatment of apoptotic processes associated with neurodegenerative disorders. *Progress in Alzheimer's and Parkinson's Diseases*. London: Kluwer Academic/Plenum Publishers. *In Press*.

ABSTRACTS

2004 **Dudas B** and Merchenthaler I. Stress and water balance: catecholaminergic input of the vasopressin neuronal system. *Soc.Neurosci.Abs.*, 2004. Society for Neuroscience Meeting; San Diego, USA, 2003. November.

Dudas B and Merchenthaler I. The paper model of skull: Novel way to teach surgical anatomy of the cranial nerves. *Soc.Neurosci.Abs.*, 2003. Society for Neuroscience Meeting; San Diego, USA, 2003. November.

Dudas B and Merchenthaler I. The role of galanin in estrogen-mediated LHRH neuronal activity in humans and rats. 3rd International Conference on Galanin & Its Receptors, Satellite Meeting of the 34th Annual Meeting of Society for Neuroscience. October 21-22, 2004; Horton Grand Hotel, San Diego, CA. *Lecture presentation*.

2005 **Semeniken KR**, Merchenthaler I and **Dudas B**. Catecholaminergic input of the oxytocin neuronal system. 87th Annual Meeting of the Endocrine Society, June of 2005, San Diego.

DelTondo J and **Dudas B**. Associations between the human growth hormone-releasing hormone- and neuropeptide-Y-immunoreactive systems in the human diencephalon: a possible morphological substrate of the impact of stress on growth. *49th Annual AOA Research Conference, October 24-26, Orlando, Florida*.

Semeniken KR and **Dudas B**. Regulation of the human oxytocinergic system by stress: juxtapositions between the human catecholaminergic and oxytocinergic neuronal elements in the human diencephalon. *49th Annual AOA Research Conference, October 24-26, Orlando, Florida*.

Dudas B and Merchenthaler I. The paper model of skull: Novel way to teach cranial anatomy. *49th Annual AOA Research Conference, October 24-26, Orlando, Florida*.

Al-Samkari M and **Dudas B**. 3D reconstruction of immunolabeled hypothalamic neurons from series of consecutive focus range images. *49th Annual AOA Research Conference, October 24-26, Orlando, Florida*.

DelTondo J and **Dudas B**. Putative role of neuropeptide Y in the regulation of growth hormone-releasing hormone (GHRH) secretion: a possible morphological substrate of the impact of stress on growth. *35TH Annual Meeting of Society for Neuroscience, November 12-16, 2005, Washington DC*.

Al-Samkari M and **Dudas B**. Neuroendocrine Organization Laboratory (NEO): Teaching neuroscience via basic research. *35TH Annual Meeting of Society for Neuroscience, November 12-16, 2005, Washington DC*.