

**Selected peer-reviewed publications (in chronological order, last five years):**

- 1) Abu-Raya, S.,S Blaugrund, E.,C Trembovler, V.T and Lazarovici, P.PI Rasagiline, a novel monoamine oxidase-B inhibitor, with neuroprotective effects under ischemic conditions in PC12 cells. *Drug Develop Res* 50: 285-290, 2000.
- 2) Desai, R.,S Peretz, A.,S Idelson, H.,C Lazarovici, P.C and Attali, B.PI Ca<sup>2+</sup>-activated K<sup>+</sup> channels in human leukemic Jurkat T cells. Molecular cloning, biochemical and functional characterization. *J Biol Chem* 275: 39954-39963, 2000.
- 3) Moalem, G.,S Gdalyahu, A.,S Shani, Y.,S Otten, U.,C Lazarovici, P.,PI Cohen, I.R.C and Schwartz, M.PI Production of neurotrophins by activated T cells: implications for neuroprotective autoimmunity. *J Autoimmun* 15: 331-345, 2000.
- 4) Monshipouri, M.,S Jiang, H.C and Lazarovici, P.PI NGF stimulation of erk phosphorylation is impaired by a point mutation in the transmembrane domain of trkA receptor. *J Mol Neurosci* 14: 69-76, 2000.77.
- 5) Bloch-Shilderman, E.,S Jiang, H.,C Abu-Raya, S.,S Linial, M.C and Lazarovici, P.PI Involvement of extracellular signal-regulated kinase (ERK) in pardaxin-induced dopamine release from PC12 cells. *J Pharmacol Exp Ther* 296: 704-711, 2001.
- 6) Chiarenza, A.,S Lazarovici, P.,PI Lempereur, L.,T Cantarella, G.,S Bianchi, A.S and Bernardini, R.PI Tamoxifen inhibits nerve growth factor-induced proliferation of the human breast cancerous cell line MCF-7. *Cancer Res* 61: 3002-3008, 2001.
- 7) Davidson, B.,PI Lazarovici, P.,PI Ezersky, A.,S Nesland, J.M.,C Berner, A.,S Risberg, B.,S Trope, C.G.,S Kristensen, G.B.,S Goscinski, M.,S van de Putte, G.S and Reich, R.PI Expression levels of the nerve growth factor receptors TrkA and p75 in effusions and solid tumors of serous ovarian carcinoma patients. *Clin Cancer Res* 7: 3457-3464, 2001.
- 8) Jiang, H.,C Movsesyan, V.,C Liu, X.W.,S Katagiri, Y.,S Monshipoyri, M.S and Lazarovici, P.PI A double cysteine trkA mutant exhibiting reduced NGF binding and delayed Erk signaling. *J Mol Neurosci* 17: 293-302, 2001.
- 9) Abu-Raya, S.,S Tabakman, R.,S Blaugrund, E.,C Trembovler, V.T and Lazarovici, P.PI Neuroprotective and neurotoxic effects of monoamine oxidase-B inhibitors and derived metabolites under ischemia in PC12 cells. *Eur J Pharmacol* 434: 109-116, 2002.
- 10) Bloch-Shilderman, E.,S Jiang, H.C and Lazarovici, P.PI Pardaxin, an ionophore neurotoxin, induces PC12 cell death: activation of stress kinases and production of reactive oxygen species. *J Nat Toxins* 11: 71-85, 2002.

- 11) Bloch-Shilderman, E.,S Abu-Raya, S.,S Trembovler, V.,T Boschwitz, H.,T Gruzman, A.,S Linial, M.C and Lazarovici, P.PI Pardaxin stimulation of phospholipases A2 and their involvement in exocytosis in PC-12 cells. *J Pharmacol Exp Ther* 301: 953-962, 2002.
- 12) Cantarella, G.,S Lempereur, L.,S Presta, M.,S Ribatti, D.,S Lombardo, G.,S Lazarovici, P.,PI Zappala, G.,S Pafumi, C.C and Bernardini, R.PI Nerve growth factor-endothelial cell interaction leads to angiogenesis in vitro and in vivo. *FASEB J* 16: 1307-1309, 2002.
- 13) Katzir, I.,S Shani, J.,C Regev, K.,S Shabashov, D.S and Lazarovici, P.PI A quantitative bioassay for nerve growth factor, using PC12 clones expressing different levels of trkA receptors. *J Mol Neurosci* 18: 251-264, 2002.
- 14) Tabakman, R.,S Lazarovici, P.PI and Kohen, R.C Neuroprotective effects of carnosine and homocarnosine on pheochromocytoma PC12 cells exposed to ischemia. *J Neurosci Res* 68: 463-469, 2002.
- 15) Vaudry, D.,PI Stork, P.J.,C Lazarovici, P.PI and Eiden, L.E.PI Signaling pathways for PC12 cell differentiation: making the right connections. *Science* 296: 1648-1649, 2002.
- 16) Vaudry, D.,PI Stork, P.J.S.,C Lazarovici, P.PI and Eiden, L.E.PI Differentiation pathway in PC12 cells. *Science STKE*, 2002.
- 17) Davidson, B.,PI Reich, R.,PI Lazarovici, P.,PI Nesland, J.M.,C Skrede, M.,S Risberg, B.,S Trope, C.G.S and Florenes, V.A.S Expression and activation of the nerve growth factor receptor TrkA in serous ovarian carcinoma. *Clin Cancer Res* 9: 2248-2259, 2003.
- 18) Davidson, B.,PI Givant-Horwitz, V.,S Lazarovici, P.,PI Risberg, B.,S Nesland, J.M.,C Trope, C.G.,S Schaefer, E.C and Reich, R.PI Matrix metalloproteinases (MMP), EMMPRIN (extracellular matrix metalloproteinase inducer) and mitogen-activated protein kinases (MAPK): co-expression in metastatic serous ovarian carcinoma. *Clin Exp Metastasis* 20: 621-631, 2003.
- 19) Givant-Horwitz, V.,S Davidson, B.,PI Lazarovici, P.,C Schaefer, E.,C Nesland, J.M.,C Trope, C.G.S and Reich, R.PI Mitogen-activated protein kinases (MAPK) as predictors of clinical outcome in serous ovarian carcinoma in effusions. *Gynecol Oncol* 91: 160-172, 2003.
- 20) Katzir, I.,S Shani, J.,C Goshen, G.,T Sela, J.,C Ninary, E.,S Dogonovski, A.M.,S Shabashov, D.,S Inoue, S.,C Ikeda, K.,C Hayashi, K.,PI Gorinstein, S.,C Deutsch, J.C and Lazarovici, P.PI Characterization of nerve growth factors (NGFs) from snake venoms by use of a novel, quantitative bioassay utilizing pheochromocytoma (PC12) cells overexpressing human trkA receptors. *Toxicon* 42: 481-490, 2003.
- 21) Katzir, I.,S Shani, J.,C Shabashov, D.,S Dagan, J.C and Lazarovici, P.PI Establishment and characterization of pheochromocytoma tumor models expressing different levels of trkA receptors. *Cancer Lett* 200: 177-185, 2003.

- 22) Davidson, B.,PI Reich, R.,PI Lazarovici, P.,PI Ann Florenes, V.,S Nielsen, S.S and Nesland, J.M.C Altered expression and activation of the nerve growth factor receptors TrkA and p75 provide the first evidence of tumor progression to effusion in breast carcinoma. *Breast Cancer Res Treat* 83: 119-128, 2004.
- 23) Davidson, B.,PI Reich, R.,PI Lazarovici, P.,PI Florenes, V.A.,S Risberg, B.,S Nielsen, S.,S Sert, B.S and Bedrossian, C.C Expression of the nerve growth factor receptors TrkA and p75 in malignant mesothelioma. *Lung Cancer* 44: 159-165, 2004.
- 24) Florenes, V.A.,S Maelandsmo, G.M.,S Holm, R.,S Reich, R.,PI Lazarovici, P.PI and Davidson, B.PI Expression of activated TrkA protein in melanocytic tumors: relationship to cell proliferation and clinical outcome. *Am J Clin Pathol* 122: 412-420, 2004.
- 25) Kisiel, D.G.,C Calvete, J.J.,C Katzhendler, J.,C Fertala, A.,S Lazarovici, P.PI and Marcinkiewicz, C.PI Structural determinants of the selectivity of KTS-disintegrins for the alpha1beta1 integrin. *FEBS Lett* 577: 478-482, 2004.
- 26) Tabakman, R.,S Jiang, H.,C Levine, R.A.,C Kohen, R.C and Lazarovici, P.PI Apoptotic characteristics of cell death and the neuroprotective effect of homocarnosine on pheochromocytoma PC12 cells exposed to ischemia. *J Neurosci Res* 75: 499-507, 2004.
- 27) Tabakman, R.,S Jiang, H.,C Schaefer, E.,C Levine, R.A.C and Lazarovici, P.PI Nerve growth factor pretreatment attenuates oxygen and glucose deprivation-induced c-Jun amino-terminal kinase 1 and stress-activated kinases p38alpha and p38beta activation and confers neuroprotection in the pheochromocytoma PC12 Model. *J Mol Neurosci* 22: 237-250, 2004.
- 28) Jiang, H.,PI Zhang , L.,C Koubi, D.,C Kuo., J.,S Groc ,L.,S Rodriguez, A.I.,S Jackson Hunter, T.,S Tang, S.S Lazarovici, P.,C Gautam, S.C.C and Levine, R.PI Roles of Ras-Erk in apoptosis of PC12 cells induced by trophic factor withdrawal or oxidative stress .*J Mol Neurosci* 25: 133-140, 2005.