

LIST OF PUBLICATIONS

H index 17; i10 index 22; number of citations 2200

ORIGINAL PUBLICATIONS

1. S. Carnesecchi, A. L. Rougemont, J. H. Doroshov, M. Nagy, S. Mouche, F. Gumy-Pause and I. Szanto : The NADPH oxidase NOX5 protects against apoptosis in ALK-positive anaplastic large-cell lymphoma cell lines. *Free radical biology & medicine*, 2015, 84, 22-29.
IF: 5.71
2. Tatjana Sajic, Emmanuel Varesio, Ildiko Szanto, Gérard Hopfgartner: Comparison of fractionation strategies for offline 2D-LC-MS/MS analysis of proteins from mouse adipose tissue *Analytical Biochemistry*, 2015 Sep 1;484:122-32. doi: 10.1016/j.ab.2015.05.015. Epub 2015 May 30
IF: 2.31
3. Féraille E, Dizin E, Roth I, Derouette JP, **Szanto I**, Martin PY, de Seigneux S, Hasler U.: NADPH Oxidase 4 Deficiency Reduces Aquaporin-2 mRNA Expression in Cultured Renal Collecting Duct Principal Cells via Increased PDE3 and PDE4 Activity. *PLoS One* 2014 Jan 23;9(1):e87239. doi: 10.1371/journal.pone.0087239.
IF: 3.73
4. Tatjana Sajic, Alexandre Hainard, Alexander Scherl, Annelise Wohlwend, Francesco Negro, Jean-Charles Sanchez and **Ildiko Szanto**: STAT6 promotes bi-directional modulation of PKM2 in liver and adipose inflammatory cells in Rosiglitazone-treated mice. *Scientific Reports* 2013;3:2350. doi: 10.1038/srep02350.
IF: 5.08
5. Li Y, Mouche S, Sajic T, Veyrat-Durebex C, Supale R, Pierroz D, Ferrari S, Negro F, Hasler U, Feraille E, Moll S, Meda P, Deffert C, Montet X, Krause KH, **Szanto I**. Deficiency in the NADPH oxidase 4 predisposes towards diet-induced obesity. *Int. J. Obes. (Lond)*. 2012 Dec;36(12):1503-13
IF: 5.13
6. Nlandl Khodo S, Dizin E, Sossauer G, **Szanto I**, Martin P-Y, Feraille E, Krause K-H, deSeigneux S: Genetic ablation of NADPH-oxidase 4 enhances kidney fibrosis in response to ureteral obstruction in mice. *J Am Soc Nephrol*. 2012 Dec;23(12)
IF: 9.66
7. Sajic T, Hopfgartner G, **Szanto I** and Varesio E: Comparison of three detergent free protein extraction protocols for white adipose tissue. *Anal Biochem* 2011, 415(2):215-217
IF: 3.00
8. Iff J, Wang W, Sajic T, Oudry N, Gueneau E, Hopfgartner G, Varesio E, **Szanto I**: Differential Proteomic Analysis of STAT6 Knock-out Mice Reveals New Regulatory Function in Liver Lipid Homeostasis. *J. Proteome Research*, 2009 Oct;8(10): 4511-24
IF: 5.13
9. Ruben Nogueiras, Petra Wiedmer, Diego Perez-Tilve, Christelle Veyrat-Durebex, Julia M. Keogh, Gregory M. Sutton, Paul T. Pfluger, Tamara R. Castaneda, Susanne, Neschen, Susanna M. Hofmann, Philip N. Howles, Donald A. Morgan, Stephen C. Benoit, **Ildiko Szanto**, Brigitte Schrott, Annette Schürmann, Hans-Georg Joost, Craig, Hammond, David Y. Hui, Stephen C. Woods, Kamal Rahmouni, Andrew A. Butler, I. Sadaf Farooqi, Stephen O'Rahilly, Françoise Rohner-Jeanrenaud and Matthias H. Tschöp: The central nervous melanocortin system directly controls peripheral lipid metabolism. *J.Clin.Invest.* 2007, 117(11): 3475-88.
IF: 16.92
10. Sarah Mouche, Masa Katic, Yu-Hua Tseng, Stephanie Carnesecchi, Klaus Steger, Michelangelo Foti, Christoph A. Meier, Patrick Muzzin, C. Ronald Kahn, and **Ildiko Szanto**: The NADPH oxidase NOX4 is a marker of adipocyte differentiation. *Biochem. Biophys. Acta- Molecular Cell Research*, (2007), 1773 :1015-27
IF: 4.37
11. Claudia Theander-Carrillo, Petra Wiedmer, Philippe Cettour-Rose, Ruben Nogueiras, Diego Perez-Tilve, Paul Pfluger, Tamara R. Castaneda, Patrick Muzzin, Annette Schürmann, **Ildiko Szanto**, Matthias H. Tschöp and Françoise Rohner-Jeanrenaud : Ghrelin action in the brain reveals CNS control of adipocyte metabolism. *J.Clin.Invest.* 116 (2006) 1983-1993.
IF: 15.75

12. S. Bonin-Guillaume, F. R. Herrmann, D. Boillat, **Szanto I**, J.-P. Michel, F. Rohner-Jeanrenaud, U.M. Vischer: Insulinemia and leptinemia in geriatric patients: markers of the metabolic syndrome or of undernutrition? *Diabetes and Metabolism* 2006 Jun; 32(3):236-43.
IF: 1.72
13. Stephanie Carnesecchi, Jean-Louis Carpentier and **Ildiko Szanto**: Insulin-induced vascular endothelial growth factor expression is mediated by the NADPH oxidase NOX3. *Exp Cell Res*, 312 (2006) 3413-3424
IF: 3.78
14. **I Szanto**, L Rubbia-Brandt, P Kiss, K Steger, B Banfi, E Kovari, F Herrmann, A Hadengue and K-H Krause: Expression of NOX1, a superoxide-generating NADPH oxidase, in colon cancer and inflammatory bowel disease. *J Pathol.* 2005 Oct;207 (2):164-76.
IF: 6.21
15. Nathalie Salles, **Ildiko Szanto**, Francois Herrmann, Berge Armenian, Michael Stumm, Edouard Stauffer, Jean-Pierre Michel, Karl-Heinz Krause: Expression of mRNA for ROS-generating NADPH oxidases in the aging stomach. *Exp Gerontol.* 2005 Apr;40(4):353-7.
IF: 3.00
16. P. Vallet, Y. Charnay, K. Steger, E. Ogier-Denis, E. Kovari, F. Herrmann, J.-P. Michel and **I. Szanto**: Neuronal expression of the NADPH oxidase NOX4, and its regulation in mouse experimental brain ischemia. *Neuroscience.* 2005;132(2):233-8.
IF: 3.41
17. Marjan Hezareh, Moulay Ahmed Moukil, **Ildiko Szanto**, Malgorzata Pondarzewski, Nathalie Cherix, Stephen J. Brown, Jean-Louis Carpentier and Michelangelo Foti: Mechanisms of HIV Receptor and co-Receptor Downregulation by Prostratin: Role of conventional and novel PKC isoforms. *Antivir Chem Chemother.* 2004 Jul;15 (4):207-22.
IF: 1.41
18. Andrew W. Norris, Lihong Chen, Simon J. Fischer, **Ildiko Szanto**, Frank J. Gonzalez, Alison J. Jozsi, Michael F. Hirsman, Laurie J. Goodyear, C. Ronald Kahn: Muscle- Specific PPARg Deficient Mice Develop Insulin resistance but Respond Normally to Thiazolidinediones. *J Clin Invest.* 2003 Aug; 112 (4):608-18.
IF: 14.3
19. Y. Villiger, **I.Szanto**, S.Jaconi, C.Blanchet, B.Buisson, K.-H.Krause, D.Bertrand and J-A.Romand : Expression of an alpha7 duplicate nicotinic acetylcholine receptor-related protein in human leukocytes. *J. of Neuroimmunology* (2002, 126 (1-2):86-98)
IF: 3.58
20. **Szanto I.**, Kahn CR.: Selective interaction between leptin and insulin signaling pathways in a hepatic cell line *Proc.Natl. Acad. Sci. U S A* 2000 Feb 29; 97 (5):2355-60
IF:10.79
21. Sasvari-Szekely M, Spasokoutkotskaja T, Szoke M, Csapo Z, Turi A, **Szanto I**, Eriksson S, Staub M: Activation of Deoxycytidine Kinase during Inhibition of DNA synthesis by 2-Chloro-2'-Deoxyadenosine (Cladribine) in Human Lymphocytes. *Biochemical Pharmacology* (1998) 56 1175-1179
IF: 2.98
22. Ver A, **Szanto I**, Banyasz T, Vegh E, Somogyi J: Changes in the expression of Na/K ATPase isoenzymes in the left ventricle of diabetic rat hearts: effect of insulin treatment *Diabetologia* (1997) 40 1255-1262
IF:5.72
23. **Szanto I**, Gergely P, Marcsek Z, Banyasz T, Bomogyi J, Csermely P: Change of the 78 kDa glucose regulated protein (grp78) in livers of diabetic rats. *Acta Physiol Hung.* 1995;83 (4), 333-342
IF: 0.82
24. Vér A, **Szántó I**, Csermely P, Kalff K, Végh E, Bányász T, Marcsek Z, Kovács T, Somogyi J: Effect of streptozotocin-induced diabetes on kidney Na⁺/K⁺-ATPase. *Acta Physiol Hung.* 1995;83(4):323-32.
IF: 0.82

REVIEWS, CHAPTERS AND EDITORIALS

1. Ulrich Vischer, **Ildiko Szanto**, and Jean-Pierre Michel: Commentary: The Association Between Insulin Resistance, Depression, and Dementia. *J. Gerontol. A Biol. Sci. Med. Sci.* 2004 59: M -a189-M -a191
IF: 4.37

2. Peter Csermely, Tamas Schnaider and **Ildiko Szanto**: Possible nuclear functions of the major molecular chaperone of the eukaryotic cytoplasm, *Hsp90 Current Science* (1998) 74 (5)

IF: 4.37

3. Csermely P, Schnaider T, **Szanto I** : Signaling and transport through the nuclear membrane. *Biochim Biophys Acta* 1995: 1241, 425-452

4. Csermely P., Gergely P., Nardai G., Schnaider T., Soti Cs., **Szanto I.**, Somogyi J.: Biochemistry of molecular chaperones. *Biokemia* 1994: 3, 126-132

1. **Szanto I**, Gergely P, Marcsek Z, Banyasz T, Bomogyi J, Csermely P: Change of the 78 kDa glucose regulated protein (grp78) in livers of diabetic rats. *Acta Physiol Hung.* 1995;83 (4), 333-342

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IF:5.72

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IF:10.79

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Prostratin: Role of conventional and novel PKC isoforms. *Antivir Chem Chemother.* 2004 Jul;15 (4):207-22.

IF: 1.41

Revues, Chapitres et Editoriaux:

1. Csermely P., Gergely P., Nardai G., Schnaider T., Soti Cs., **Szanto I.**, Somogyi J.: Biochemistry of molecular chaperones. *Biokemia* 1994: 3, 126-132
2. Csermely P, Schnaider T, **Szanto I** : Signaling and transport through the nuclear membrane. *Biochim Biophys Acta* 1995: 1241, 425-452
3. Peter Csermely, Tamas Schnaider and **Ildiko Szanto**: Possible nuclear functions of the major molecular chaperone of the eukaryotic cytoplasm, *Hsp90 Current Science* (1998) 74 (5)
4. Ulrich Vischer, **Ildiko Szanto**, and Jean-Pierre Michel: Commentary: The Association Between Insulin Resistance, Depression, and Dementia. *J. Gerontol. A Biol. Sci. Med. Sci.* 2004 59: M -a189-M -a191

IF: 4.37