CURRICULUM VITAE
ALEXANDER SORISKY MD, CM, FRCPC

Dr. Alexander Sorisky is an Associate Professor of Medicine and Biochemistry, Microbiology & Immunology at the University of Ottawa, where he has been since 1993. He received his medical degree from McGill University, and did his residency and research training at McGill University, the University of Ottawa, and the University of Vermont. He is a full-time academic member of the Division of Endocrinology and Metabolism at the Ottawa Hospital. His research laboratory is at the Ottawa Health Research Institute, where he is actively involved as a Senior Scientist in the Hormones, Growth & Development unit. The subject of Dr. Sorisky's research is adipose tissue development and remodelling in health and in obesity. In particular, he is interested in cellular and molecular aspects of insulin signal transduction in adipose cells with respect to differentiation and apoptosis.

Current Awards:
Heart and Stroke Foundation of Ontario Career Investigator 2000-2005
Premier's Research Excellence Award 2000-2003

Current Funding:
Canadian Institutes of Health Research, the Heart and Stroke Foundation of Ontario, the Canadian Diabetes Association, and the Physicians' Service Incorporated Foundation.

PUBLICATIONS (last five years):

1. **Sorisky A** ,Pardasani D, Lin Y. The 3-phosphorylated phosphoinositide response of 3T3-L1 preadipose cells exposed to insulin, insulin-like growth factor-1. or platelet-derived growth factor. Obes Res 4:9-19, 1996.
2. Cummings C, Zhu L, **Sorisky A**, Liu XJ. A peroxovanadium compound induces *Xenopus* oocyte maturation: inhibition by a neutralizing anti-insulin receptor antibody. Dev Biol 175:338-346, 1996.
3. Magun R, Burgering BMT, Coffer P, Pardasani D, Lin Y, Chabot J, **Sorisky A**. Expression of a constitutively activated form of protein kinase B (c-Akt) in 3T3-L1 preadipose cells causes spontaneous differentiation. Endocrinology 137:3590-3593, 1996.
4. **Sorisky A**, Pardasani D, Gagnon AM, and Smith TJ. Evidence of adipocyte differentiation in human orbital fibroblasts in primary culture. J Clin Endocrinol Metab 81: 3428-3431, 1996.
5. Ooi TC, Heinonen T, Alaupovic P, Davignon J, Leiter L, Lupien PJ, Sniderman AD, Tan MH, Tremblay G, **Sorisky A**, Shurzinske L, Black DM. Efficacy and safety of a new HMG-CoA reductase inhibitor, atorvastatin, in patients with combined hyperlipidemia: comparison with fenofibrate. Arterio Thromb Vasc Biol 17: 1793-1799, 1997.
6. Gagnon AM, **Sorisky A**. The effect of glucose concentration on insulin-induced 3T3-L1 adipose cell differentiation. Obes Res 6: 157-163, 1998.
7. Gagnon AM, Chabot J, Pardasani D, **Sorisky A**. Extracellular matrix induced by TGFß impairs insulin signal transduction in 3T3-L1 preadipose cells. J Cell Physiol 175: 370-378, 1998
8. Magun R, Boone DL, Tsang BK, **Sorisky A**. The effect of adipocyte differentiation on the capacity of 3T3-L1 cells to undergo apoptosis in response to growth factor deprivation. Int J Obesity 22: 567-571, 1998.
9. Gagnon AM, Angel JB, **Sorisky A**. Protease inhibitors enhance adipocyte differentiation in cell culture. Lancet 352:1032, 1998.

10. Tsiani E, Bogdanovic E, **Sorisky A**, Nagy L, Fantus IG. Tyrosine phosphatase inhibitors, vanadate and pervanadate, stimulate glucose transport and GLUT translocation in muscle cells by a mechanism independent of phosphatidylinositol 3-kinase and protein kinase C. Diabetes 47: 1676-1686, 1998.
11. Magun R, Gagnon AM, Yaraghi Z, **Sorisky A**. Expression and regulation of neuronal apoptosis inhibitory protein during adipocyte differentiation. Diabetes 47:1948-1952, 1998.
12. Soboloff J, **Sorisky A**, Désilets M, Tsang BK. Acyl-chain length specific ceramide-induced changes in intracellular Ca^{2+} concentration and progesterone production are not regulated by TNFα. Biol Reprod 60:262-271, 1999
13. **Sorisky A**. From preadipocyte to adipocyte: differentiation-directed signals of insulin from the cell surface to the nucleus. Crit Rev Clin Lab Sci 36:1-34, 1999.
14. Gagnon AM, Chen C-S, Sorisky A. Activation of protein kinase B and induction of adipogenesis by insulin in 3T3-L1fibroblasts: the contribution of phosphoinositide-3,4,5-trisphosphate versus phosphoinositide-3,4-bisphosphate. Diabetes 48:691-698, 1999.
15. Bell A, Grunder L, **Sorisky A**. Rapamycin inhibits human adipocyte differentiation in primary culture. *Obes Res 8: 249-254, 2000.*
16. Bell A, Gagnon AM, Grunder L, Parikh SJ, Smith TJ, **Sorisky A**. Functional TSH receptor in human abdominal preadipocytes and orbital fibroblasts. *Am J Physiol Cell Physiol 279: C335-C340, 2000.*
17. Nguyen A, Gagnon AM, Angel JB, **Sorisky A**. Ritonavir increases the level of active ADD-1/SREBP-1 protein during adipogenesis***.*** *AIDS 14: 2467-2473, 2000.*
18. **Sorisky A**, Gagnon AM, Magun R. Adipose cell apoptosis: death in the energy depot. *Int J Obesity 24(Suppl 4): S3-S7, 2000.*
19. **Sorisky A,** Bell A, Gagnon A. TSH receptor in adipose cells. *Hormone Metab Res 32: 468-474, 2000.*
20. Gagnon AM, Dods P, Roustan-Delatour N, Chen C-S, **Sorisky A**. Phosphatidylinositol-3,4,5-trisphosphate is required for IGF-1-mediated survival of 3T3-L1 preadipocytes. *Endocrinology 142:205-212, 2001.*