

BIOGRAPHICAL SKETCH

JoEllen Welsh

EDUCATION:

Rutgers University - New Brunswick, NJ	B.A.	1975	Biological Sciences
Cornell University - Ithaca, NY	Ph.D.	1980	Nutritional Biochemistry
Cornell University - Ithaca, NY	Postdoc	1980-1981	
University of Ottawa - Ottawa, Ontario	Postdoc	1983-1985	

RESEARCH AND PROFESSIONAL EXPERIENCE:

1980 - 1981	Postdoctoral Research Associate, Division of Nutritional Sciences, Cornell Univ., Ithaca, NY
1981 - 1982	Assistant Professor, Foods and Nutrition, Mount Saint Vincent Univ., Halifax, NS, Canada
1983 - 1985	Postdoctoral Research Associate, University of Ottawa, Ottawa, Ontario, Canada
1985 - 1992	Assistant Professor, Dept. of Biochemistry, University of Ottawa, Ottawa, Ontario, Canada
1992 - 1994	Associate Professor, Dept. of Biochemistry, University of Ottawa, Ottawa, Ontario, Canada
July 1994-present	Senior Scientist, W. Alton Jones Cell Science Center, Inc., Lake Placid, NY

SELECTED PUBLICATIONS:

- Welsh, J.E., R. Schwartz and L. Krook (1981) Bone pathology and parathyroid gland activity in hypocalcemic, magnesium deficient chicks. *J. Nutr.* 111:514-524.
- Schwartz, R., H. Spencer and J.E. Welsh (1984) Magnesium absorption in human subjects from leafy vegetables intrinsically labelled with stable Mg. *Am. J. Clin. Nutr.* 39:571-576.
- Welsh, J.E., R. Narbaitz and N. Begin-Heick, (1985) Metabolic effects of dietary manganese supplementation in ob/ob mice. *J. Nutr.* 115:919-928.
- Welsh, J.E. & V. Weaver (1988) Adaptation to low dietary calcium in magnesium deficient rats. *J. Nutr.* 118:729-734.
- Begin-Heick, N. and J.E. Welsh (1988) The regulation of adenylate cyclase in liver membranes of lean and obese mice. *Molec. Cell Endo.* 59:187-194.
- Weaver, V.M. and J.E. Welsh (1989) Vitamin D metabolism in magnesium deficient chicks. *Nutrition Research* 9:1363-1369.
- Weaver, V.M. and J.E. Welsh (1990) Role of 1,25 Dihydroxycholecalciferol and dietary Ca in genesis of hypocalcemia of Mg deficiency. *Magnesium Research* 3:171-177.
- Stone, L.A., V.M. Weaver, M.E. Bruns, S. Christakos and J.E. Welsh (1991) Vitamin D receptors and compensatory tissue growth in spontaneously diabetic BB rats. *Annals of Nutrition and Metabolism* 35:196-202.
- Stone, L.A., V.M. Weaver, M.E. Bruns and J.E. Welsh (1991) Vitamin D receptors in intestine, kidney and thymus of streptozocin diabetic rats. *Diabetes Research* 15:165-172.
- Weaver, V.M., D.J. Franks and J.E. Welsh (1991) Activation of protein kinase C modulates dihydroxycholecalciferol synthesis in rat renal proximal tubules. IN: *Vitamin D: Gene Regulation Structure-Function Analysis and Clinical Application.* (A.W. Norman, R. Bouillon, and M. Thomasett, ed.) W. DeGruyter, Berlin 275-276.
- Simboli-Campbell, M., D.J. Franks and J.E. Welsh (1992) 1,25(OH)₂D₃ increases membrane associated protein kinase C in MDBK cells. *Cellular Signalling* 4:99-109.
- Simboli-Campbell, M., A.M. Gagnon, D.J. Franks and J.E. Welsh (1992) TPA decreases 1,25(OH)₂D₃ binding and calbindin D-28K in renal (MDBK) cells. *Molecular Cell Endo.* 83:143-151.