

## BIOGRAPHICAL SKETCH

NAME <b>Clifton A. Baile</b>	POSITION TITLE <b>Professor &amp; GRA Eminent Scholar</b>
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### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Central Missouri State College, Warrensburg, MO	B.S.	1962	Agric./Bus.
University of Missouri, Columbia, MO	Ph.D.	1965	Nutrition
University of Pennsylvania	(M.A., Honorary)	1979	

### RESEARCH AND PROFESSIONAL EXPERIENCE:

1968-1971	Assistant Professor of Nutrition
1966-1968	Instructor in Nutrition
1964-1966	NIH Research Fellow School of Public Health, Harvard University
1971-1975	Research Associate, Monell Chemical Senses Center, University of Pennsylvania
1973-1975	Manager of Neurobiological Research
1971-1973	Senior Investigator, SmithKline Animal Health Products
1981-present	Adjunct Professor of Nutrition
1971-1981	Adjunct Associate Professor of Nutrition Department of Dairy and Animal Science, The Pennsylvania State University
1979-1982	Professor of Nutrition
1975-1979	Associate Professor of Nutrition
1971-1975	Lecturer in Nutrition Department of Clinical Studies, School of Veterinary Medicine, University of Pennsylvania
1985-present	Adjunct Professor of Nutrition
1982-1985	Adjunct Associate Professor of Nutrition Department of Internal Medicine, School of Medicine, Washington University
1986-present	Adjunct Professor, Department of Animal Science, University of Missouri
1988-1995	Distinguished Fellow
1987-1995	Director, Research and Development - Anim. Sci. Div.
1986-1987	New Products Identification Director
1982-1988	Senior Fellow Animal Sciences Division, Monsanto Company
1997-present	Georgia Research Alliance Eminent Scholar in Agricultural
1995-present	Biotechnology Distinguished Prof. of Animal Science and Foods and Nutrition, U. of Georgia
2003-present	Chairman of the Board and CEO, AptoTec, Inc.
2003-present	Chairman of the Board and CEO, InsectiGen, Inc.
2001-present	Chairman of the Board and CEO, Oncose, Inc.
1998-2003	Chairman of the Board and CEO, ProLinia, Inc.

### HONORS:

Sigma XI; Kieppe Scholarship for the Outstanding Graduate Student in College of Agriculture, University of Missouri; NIH Postdoctoral Fellowship, 1964-1966; NIH Special Postdoctoral Fellowship awarded, 1969; American Feed Manufacturers Association, Dairy Nutrition Research Award, 1979; Monsanto Distinguished Fellow, 1988; Animal Growth and Development Award, American Society of Animal Science, 1989. Georgia Research Alliance Eminent Scholar, 1997; U. of Georgia Lamar Dodd Creative Research Award, 2002.

**PUBLICATIONS:**

1. Kim, H-K., C. Nelson-Dooley, M. A. Della-Fera, J-Y. Yang, W. Zhang, D. L. Hartzell, M. W. Hamrick, and C. A. Baile. Genistein decreases food intake, body weight and fat pad weight and causes adipose tissue apoptosis in ovariectomized female mice. *Journal of Nutrition*, 136:409-414, 2006.
2. Yang, J-Y., M. A. Della-Fera, C. Nelson-Dooley and C. A. Baile. Molecular mechanisms of apoptosis induced by ajoene in 3T3-L1 adipocytes. *Obesity Research* 14 388-397, 2006.
3. Yang, J-Y., M. A. Della-Fera, D. L. Hartzell, C. Nelson-Dooley, D. B. Hausman and C. A. Baile. Esculetin induces apoptosis and inhibits adipogenesis in 3T3-L1 cells. *Obesity Research* 14:1691-1699, 2006.
4. Yang, J-Y., M. A. Della-Fera, and C. A. Baile. Esculetin induces mitochondria-mediated apoptosis in 3T3-L1 adipocytes. *Apoptosis* 11:1371-1378, 2006.
5. Hamrick, Mark; Mary Anne Della-Fera, Yang-Ho Choi, Diane Hartzell, Catherine Pennington, and Clifton Baile. Intrahypothalamic injections of leptin increase adipocyte apoptosis in peripheral fat and in bone marrow. *Cell & Tissue Research*. On line, 2006.
6. Kim, Hye-Kyeong, MaryAnne Della-Fera, Ji Lin, and Clifton A Baile. Docosahexaenoic acid inhibits adipocyte differentiation and induces apoptosis in 3T3-L1 preadipocytes. *J. Nutrition*, 136:2965-2979, 2006.
7. Ambati, S., H-K. Kim,, J. Lin, M. A. Della-Fera, and C. A. Baile. Effects of leptin on apoptosis and adipogenesis in 3T3-L1 adipocytes. *Biochemical Pharmacology*.73:378-384 2007.
8. Hamrick, M. W., Della Fera, M. A., Choi, Y. H., Hartzell, D., Pennington, C., & Baile, C. A. (2007). Injections of leptin into rat ventromedial hypothalamus increase adipocyte apoptosis in peripheral fat and in bone marrow. *Cell Tissue Res*, 327(1), 133-141.
9. Pollock, N. K., Laing, E. D., Baile, C. A., Hamrick, M. W., Hall, D. B., & Lewis, R. D. (2007). Is adiposity advantageous for bone Strength? A peripheral quantitative computed tomography study in late adolescent females. *Am J Clin Nutr*, 86, 1530-1538.
10. Rayalam, S., Della-Fera, M. A., Ambati, S., Boyan, B., & Baile, C. A. (2007). Enhanced effects of guggulsterone plus 1,25(OH)2D3 on 3T3-L1 adipocytes. *Biochem Biophys Res Commun*, 364(3), 450-456.
11. Rayalam, S., Della-Fera, M. A., Yang, J. Y., Park, H. J., Ambati, S., & Baile, C. A. (2007). Resveratrol potentiates genistein's anti-adipogenic and pro-apoptotic effects in 3T3-L1 adipocytes. *Journal of Nutrition*, 137:2668-73.
12. Yang, J. Y., Della-Fera, M. A., Hausman, D. B., & Baile, C. A. (2007). Enhancement of ajoene-induced apoptosis by conjugated linoleic acid in 3T3-L1 adipocytes. *Apoptosis*, 12(6), 1117-1128.
13. Yang, J. Y., Della-Fera, M. A., Rayalam, S., & Baile, C. A. (2007). Effect of xanthohumol and isoxanthohumol on 3T3-L1 cell apoptosis and adipogenesis. *Apoptosis*, 12(11), 1953-1963.