BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Gretchen J. Darlington	Professor and Interim Director

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Colorado	B.A.	1964	Biology
University Of Michigan	Ph.D.	1970	Human Genetics
Yale University	Post Doc	1970-1972	Somatic Cell Genetics

Positions Held

1972-1974	Research Associate, Yale University.
1974-1980	Assistant Professor of Medicine, Cornell University Medical College, New York, NY.
1980-1982	Associate Professor of Medicine, Cornell University Medical College.
1982-1989	Associate Professor of Pathology, Baylor College of Medicine, Houston, Texas.
	Associate Professor of Cell Biology, Baylor College of Medicine (BCM).
1985-1989	Associate Professor, Institute of Molecular Genetics, Baylor College of Medicine.
1989-present	Professor of Pathology, Molecular Genetics, and Cell Biology, BCM.
1996-present	Professor, Huffington Center on Aging, BCM
2007	Robert C. Fyfe Professor of Aging
2008-present	Interim Director, Huffington Center on Aging, BCM

Honors and NIH Review Service

Andrew W. Mellon Teacher Scientist Award, 1975-1976.
American Heart Association Established Investigator, 1976-1981.
Irma T. Hirshl Trust Awardee, 1980-1984.
Established Investigator Award, Society for In Vitro Biology, 1998.
Member, NIA, Biological and Clinical Aging Review Committee A, 1992-1996
Chair, NIA, Biological and Clinical Aging Review Committee A, 1994-1996
Member, NIDDK, SRCB, 1998-1999
Ellison Medical Foundation Senior Fellow, 1999
NIH, GCMB Study Section, 2003-2005
Robert C. Fyfe Professor of Aging, Huffington Center on Aging and Professor, Department of Pathology; 2007.

Selected Publications

Darlington GJ, Wang N.D., Hanson R.W. C/EBPα: A critical regulator of genes governing integrative metabolic processes. Curr. Opin. Genet. Dev. 5:565-570, 1995.

Wang N.D., Finegold M.J., Bradley A., Ou C.N., Abdelsayed S.V., Wilde M.D., Taylor L.R., Wilson D.R. and **Darlington GJ.** Impaired energy homeostasis in C/EBPα knockout mice. Science 269:1108-1112, 1995.

Timchenko N.A., Wilde M., Nakanishi M., Smith J.R. and **Darlington GJ** CCAAT/enhancer binding protein alpha (C/EBPα) inhibits cell proliferation through the p21 (WAF-1/CIP-1/SDI-1) protein. Genes Dev. 10:804-815, 1996.

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Darlington GJ. CCAAT/enhancer binding protein " regulates p21 protein and hepatocyte prolfieration in newborn mice. Mol. Cell. Biol. 17:(12)7353-7361, 1997.

Oesterreicher T.J., Leeper L.L., Finegold M.J., **Darlington GJ**, Henning S.J. Intestinal maturation in mice lacking CCAAT/enhancer-binding protein alpha (C/EBPα). J Biochem 330:1165-1171, 1998.

Soriano H.E., Kang D.C., Finegold M.J., Hicks M.J., Wang N.D., Harrison W. and **Darlington GJ.** Lack of C/EBPα gene expression results in increased DNA synthesis and an increased frequency of immortalization of freshly isolated rat hepatocytes. Hepatology 27:(2)392-401, 1998.

Timchenko N.A., Wilde M., Kosai K.-I., Heydari A., Bilyeu T.A., Finegold M.J., Mohamedali K., Richardson A., **Darlington G.J.** Regenerating livers of old rats contain high levers of C/EBPα that correlate with altered expression of cell cycle associated proteins. Nucleic Acids Res. 26:3293-3299, 1998.

Seagroves T.N., Krnacik S., Raught B., Gay J., Burgess-Beusse B., **Darlington G.J.** and Rosen J.M. C/EBPβ, but not C/EBPα, is essential for ductal morphogenesis, lobuloalveolar proliferation, and functional differentiation in the mouse mammary gland. Genes Dev. 12:1917-1928, 1998.

Darlington G.J., Ross S. and MacDougald O.A. The role of C/EBP genes in adipocyte differentiation. J. Biol. Chem. 273:(46)30057-30060, 1998.

Burgess-Beusse B.L. and **Darlington G.J.** C/EBPα is critical for the neonatal acute phase response to inflammation. Mol. Cell. Biol. 18:(12)7269-7277, 1998.

Christoffels V.M., Grange T., Kaestner K.H., Cole T.J., **Darlington G.J**., Croniger C.M. and Lamers W.H. Glucocorticoid receptor, C/EBP, HNF3, and protein kinase A coordinately activate the glucocorticoid response unit of the carbamoylphosphate synthase I gene. Mol. Cell. Biol. 18:(11)6305-6315, 1998.

Iwama A., Zhang P., **Darlington G.J.**, Maki R., Tenen D.G. Use of RDA analysis of knockout mice to identify myeloid genes regulated in vivo by PU.1 and C/EBPα. Nucleic Acids Res. 26(12):3034-3043, 1998.

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Khaoustov V.I., **Darlington G.J**., Soriano H.E., Krishnan B., Risin D, Pellis N.R., Yoffe B. Induction of three-dimensional assembly of human liver cells by simulated microgravity. In Vitro Cell Dev Biol Anim. 35:(9)501-9, 1999.

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Park J.S., Boyer S., Mitchell K.,Gilfor D., Birrer M., **Darlington G.,** El Diery W., Firestone G.L., Munger K., Band V., Fisher P.B., Dent P. Expression of human papilloma virus E7 protein causes apoptosis and inhibits DNA synthesis in primary hepatocytes via increased expression of p21(C1p-1/WAF1/MDA6). J Biol Chem, 275(1)18-28, Jan 2000.

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Abrams S.A., Griffin I.J., Hawthorne K.M., Liang L., Gunn S.K,, **Darlington G.**, Ellis K.J. A combination of prebiotic short-and long-chain insulin-type fructans enhances calcium absorption and bone mineralization in young adolescents. Am J Clin Nutr. 82(2), 471-6, Aug. 2005.

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