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## BIOGRAPHICAL SKETCH

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NAME John M. Wells		POSITION TITLE Research Scientist	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Merrimack College	BA	1982	Biology
Brandeis University	Ph.D.	1989	Biology
Boston Univ.Sch.of Med.	Post	1991-92	Biochemistry

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### A. Research and Professional Experience

1988-present Research Scientist  
E.N.R.M. VA Hospital Bedford MA

1991-1994 Research Associate Department of Biochemistry  
Boston University School of Medicine.

1993-present Director GRECC Molecular Biology and Tissue Culture Center

1994-Present Research Instructor, Department of Neurology  
Boston University School of Medicine

### B. Selected Publications (21/33)

Carreras I, Garrett-Young R, Ullman MD, Eisenhauer PB, Fine RE, **Wells JM**, Conn KJ. (2005)

Upregulation of clusterin/apolipoprotein J in lactacystin-treated SH-SY5Y cells.

J Neurosci Res. 79(4):495-502.

Gao W, Eisenhauer PB, Conn K, Lynch JA, Wells JM, Ullman MD, McKee A, Thatte HS, Fine RE. (2004)

Insulin degrading enzyme is expressed in the human cerebrovascular endothelium and in cultured human cerebrovascular endothelial cells. Neurosci Lett. 371(1):6-11.

Eisenhauer PB, Jacewicz MS, Conn KJ, Koul O, **Wells JM**, Fine RE, Newburg DS. (2004) Escherichia coli Shiga toxin 1 and TNF-alpha induce cytokine release by human cerebral microvascular endothelial cells.

Microb Pathog. 36(4):189-96.

Conn KJ, Gao WW, McKee A, Lan MS, Ullman MD, Eisenhauer PB, Fine R and **Wells JM**. (2004) Identification of the Protein Disulfide Isomerase Family member PDIp in Experimental Parkinson's Disease and Lewy Body Pathology, Brain Res. 1022 (1-2):164-72.

Conn KJ, Doherty S, Eisenhauer PB, Fine R, **Wells JM** and Ullman MD (2003) Neuroprotective Ganglioside Derivatives, Ann. NY Acad. Sci. 991:330-332..

Conn KJ, Ullman MD, Eisenhauer PB, Fine R and **Wells JM** (2003) cDNA microarray Analysis of Changes in Gene Expression Associated with MPP<sup>+</sup> Toxicity in SH-SY5Y cells, J Neurochem. Res. 28(12): 1873-81.

Conn KJ, Doherty S, Eisenhauer PB, Fine R, Wells JM and Ullman MD (2003) Neuroprotective Ganglioside Derivatives, Ann. NY Acad. Sci. 991:330-332.

Conn KJ, Gao WW, Ullman MD, McKeon-O'Malley C, Eisenhauer PB, Fine RE, **Wells JM**. (2002) Specific up-regulation of GADD153/CHOP in 1-methyl-4-phenyl-pyridinium-treated SH-SY5Y cells. J Neurosci Res. 68(6):755-60.

Green, R., Cupples, L., Go, R., Benke, K., Edeki, T., Griffith, P., Williams, M., Hipps, Y., Graff-Radford, N., Bachman, D., Farrer, L. for the MIRAGE Study Group. (2002) Risk of Dementia among white and African American relatives of patients with Alzheimer's disease. JAMA 287: 329-336. Dr. Wells is part of the MIRAGE Study Group.

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Conn KJ, Ullman MD, Eisenhauer PB, Fine RE, **Wells JM**. (2001) Decreased expression of the NADH:ubiquinone oxidoreductase (complex I) subunit 4 in 1-methyl-4-phenylpyridinium -treated human neuroblastoma SH-SY5Y cells. *Neurosci Lett*. 306(3):145-8.

Eisenhauer PB, Johnson RJ, **Wells JM**, Davies TA, Fine RE. (2000) Toxicity of various amyloid beta peptide species in cultured human blood-brain barrier endothelial cells: increased toxicity of dutch-type mutant. *J Neurosci Res*. 60(6):804-10.

Cupples, LA, Weinberg, J, Beiser, A, Auerbach, SH, Volicer, L, Cipolloni, PB, **Wells, JM**, Growdon, JH, D'Agostino, R, Wolf, PA, Farrer, LA. Effects of smoking and alcohol on Alzheimer disease: The MIRAGE Study. (2000) *Alzheimer's Reports* 3(2):105-113.

Volicer, L., **Wells, J.**, Mckee, A., Kowall, N. (1999) Enhanced inhibition of free radical-induced deoxyribose breakdown by Alzheimer brain homogenates. *Neuroscience Letters* 270: 169-172.

McKeon-O'Malley, C., **Wells, J.**, Fine, R., Ullman, M., Volicer, L. (1999) PC-12 cells transfected with a c-terminal fragment of the amyloid precursor protein (APP C-100) exhibit enhanced sensitivity to the calcium ionophore A23187, and diminished sensitivity to the hydrogen peroxide. *Molecular Brain Research* 72: 103-107.

Simons, E.R., Marshall, D., Long, H.J., Otto, K., Billingslea, A.M., Tibbles, H., **Wells, J.M.**, Eisenhauer, P., Fine, R.E., Cribbs, D., Davies, T.A., Abraham, C.R. (1998) Blood brain barrier endothelial cells express candidate amyloid precursor protein-cleaving secretases. *Amyloid* 5: 153-162.

Eisenhauer, P., **Wells, J.M.**, McKenna, D., Shanmugaratnam, J., Fine, R.E., Billingslea, A.M., Long, H.J., Simons, E.R., Davies, T.A. (1998) Beta-APP processing and regulation by interleukin-1 in brain endothelial cells. *Alzheimer's Reports* 1:241-250.

Farrer, L., Cupples, L., Haines, J., Hyman, B., Kukull, W., Mayeux, R., Pericak-Vance, M., Risch, N., van Duijn, C., for the APOE and Alzheimer Disease Meta Analysis Consortium. (1997) Effect of age, gender and ethnicity on the association of apolipoprotein E genotype and Alzheimer's disease. *JAMA* 278: 1349-1356. Dr. Wells is part of the consortium.

Davies, T.A., Bernhardt, H., McMenamin, M.E., Rathbun, W., Seetoo, K., Tibbles, H., Billingslea, A.M., Sgro, K., Fine, R.E., Fishman, J.B., Levesque, C., Smith, S., **Wells, J.M.**, Simons, E.R. (1997A). Activated platelets from Alzheimer's disease patients retain more membrane-bound precursor protein. *Neurobiol. Aging* 18 (1): 1-7.

Davies, T.A., Long, H., Tibbles, H., **Wells, J.**, Rathbun, W., Seetoo, K., McMenamin, M., Smith, S., Feldman, R., Levesque, C., Fine, R., and Simons, E. (1997B). Moderate and advanced Alzheimer's disease patients exhibit platelet activation differences. *Neurobiol. Aging* 18 (2): 1-9.

Liang, J-S, Sloane, J. **Wells, J.**, Abraham, C., Fine, R. and Sipe, J (1997). Evidence for local production of acute phase response apolipoprotein serum amyloid A in Alzheimer's disease brain. *Neuroscience Letters* 225: 73-76.

Farrer, L., Cupples L., Kukull, W., Volicer L., **Wells J.**, Kurz A, Green R, Chui, H., Duara, R., Auerbach, S., Larson, E., Lautenschlager, N., Wolf, P., D'Agostino, R., Ordovas, J., Schaefer, E., Growdon J, Hanes J. (1997) Risk of Alzheimer disease is associated with parental age among apolipoprotein E  $\epsilon$ 4 heterozygotes. *Alzheimer's Research* 3: 83-91.

### **C. Research Support**

#### *Ongoing Research Support*

07/01/01 – 06/30/06      30% Effort

NIA (Kowall)

\$465,770

Boston University Alzheimer's Disease Center

Co-Leader of the Animal Breeding and Molecular Genetics Core

The major goal of this core is to breed and genotype transgenic animals, isolate DNA from human blood samples and genotype samples for ApoE.

OVERLAP: There is no scientific or budgetary overlap.

PENDING