CURRICULUM VITAE

Charles A. Vaslet

PERSONAL INFORMATION

Business Address: Brown University School of Medicine
Pathology & Laboratory Medicine
Box G-511
Providence, RI 02912

Business Phone: 401-863-2051

EDUCATION

Undergraduate:	Providence College	BS Biology	1971
Graduate:	West Virginia University	MS Biology	1974
	Dartmouth College	Ph.D. Biology	1978

Postgraduate:

American Cancer Society Postdoctoral Fellow
University of Chicago, Chicago, IL
Biochemistry 1977-1978

American Cancer Society Postdoctoral Fellow
Brandeis University, Waltham, MA
Biochemistry 1978-1980

ACADEMIC APPOINTMENTS

Assistant Professor (Research)
Pathology & Laboratory Medicine
Brown University School of Medicine
Providence, RI 1992-present

ACADEMIC APPOINTMENTS (Cont.)

Instructor
Biology Department
Roger Williams University
Bristol, RI 1994-1999

Instructor (Research)
Molecular Pharmacology and Biotechnology
Brown University School of Medicine
Providence, RI 1991-1992

Instructor (Research)
Department of Ophthalmology
Harvard University Medical School
Boston, MA 1986-1988

OTHER APPOINTMENTS

Director, Molecular Pathology Core Research Laboratory
Brown University School of Medicine
Providence, RI 2000- present

Founder and VP of Molecular Biology
American Biotechnologies, Inc.
Cambridge, MA 1987-1989

Assistant Research Scientist
Eye Research Institute
Boston, MA 1986-1988

Research Manager/Principal Research Scientist
Genex Corporation
Gaithersburg, MD 1980-1985

UNIVERSITY COMMITTEES

Operations Committee
Laboratory of Molecular Medicine
Brown University
Providence, RI 2004-present

Science Advisory Committee
Roger Williams University
Bristol, RI 1992-1994

MEMBERSHIP

American Association for the Advancement of Science

PUBLICATIONS

1. Weber L, Berger EM, Vaslet CA, Yedvaknick B. The ribosome of Drosophila III: rRNA and r-protein homology between D. melanogaster and D. virilis. Genetics 84:573-585 , 1976.

2. Vaslet CA, Berger EM. The ribosome of Drosophila IV: Electrophoretic identity among ribosomal subunit proteins from wild-type and mutant D. melanogaster and D. simulans. Molecular and General Genetics 147:189-194, 1976.

3. Vaslet CA, O'Connell P, Rosbash M. Isolation and mapping of a cloned ribosomal protein gene of D. melanogaster. Nature 285:674-676, 1980.

4. Weiss Y, Vaslet CA, Rosbash M. Ribosomal protein mRNA's increase dramatically during Xenopus development. Developmental Biology 87:330-339, 1981.

5. Glick JL, Peirce MV, Anderson DM, Vaslet CA. Utilization of genetically engineered microorganisms for the manufacture of agricultural products. Beltsville Symposium in Agricultural Research 7:67-87, 1983.

6. Filpula D, Vaslet CA, Levy A, Sykes A, Strausberg, RL. Nucleotide sequence of gene for phenylalanine ammonia-lyase from Rhodotorula rubra. Nucleic Acids Res.16 :11381, 1988.

7. Vaslet CA, Strausberg RL, Sykes A, Levy A, Filpula D. cDNA and genomic cloning of yeast phenylalanine ammonia-lyase genes reveal genomic intron deletions. Nucleic Acids Res. 16:11382, 1988.

8. Rosenthal JA, Hsu SH, Schneider D, Gentile LN, Messier NJ, Vaslet CA Hawrot E. Functional Expression and Site-Directed Mutagenesis of a Synthetic Gene for a-Bungarotoxin. Journal of Biological Chemistry 269:11178-11185, 1994.

9. Moyer VD, Cistulli CA, Vaslet CA, Kane AB. Oxygen radicals and asbestos carcinogenesis. Environ. Health Persp. 102:131-136, 1994.

10. Rosenstein BS, Vaslet CA, Rosenstein RB. Molecular cloning of the human gene SUVCCI associated with the repair of non-dimer DNA damage induced by solar UV radiation. Photochemistry and Photobiology 61: 142-148, 1995.

11. Rosenstein BS, Vaslet CA. Molecular cloning of the human gene SUVCC2 associated with mutagenesis following the induction of non-dimer DNA damages by solar UV radiation. Journal of Photochemistry and Photobiology B: Biology 28: 203-211, 1995.

12. Rosenstein BS, Vaslet CA. Molecular cloning of the human gene SUVCC3 associated with the formation of DNA-protein crosslinks following exposure to solar UV irradiation. Somatic Cell and Molecular Genetics 21: 255-263, 1995

13. Cistulli CA, Sorger T, Marsella JM, Vaslet CA, Kane AB. Spontaneous *p53* mutation in murine mesothelial calls: Increased sensitivity to DNA damage induced by asbestos and ionizing radiation. Toxicology and Applied Pharmacology 141: 264-271, 1996

14. Marsella JM, Liu BL, Vaslet CA, Kane AB. Susceptibility of *p53* -deficient mice to induction of mesothelioma by crocidolite asbestos fibers. Enviromental Health Perspectives 105: 1069-1072, 1997

15. Goodglick LA, Vaslet CA, Messier NJ, Kane AB. Growth factor responses and protooncogene expression of murine mesothelial cell lines derived from asbestos-induced mesotheliomas. Toxicologic Pathology 25: 565-573, 1997

16. Bruhn TO, Huang SS, Vaslet CA, Nillni EA. Glucocorticoids modulate the biosynthesis and processing of prothyrotropin releasing-hormone (pro TRH). Endocrine 9: 143-152, 1998

17. Nillni EA, Vaslet CA, Harris M, Hollenberg A, Bjorbaek C, Flier JS. Leptin regulates prothyrotropin-releasing hormone biosynthesis: Evidence for direct and indirect pathways. Journal of Biological Chemistry 275:36124-36133, 2000.

18. Gruppuso PA, Boylan JM, Vaslet CA. Identification of candidate growth regulating genes that are over-expressed in late gestation fetal liver in the rat. Biochimica et Biophysica Acta 93471:1-6, 2000.

19. Vaslet CA, Messier NJ, Kane AB. Accelerated progression of asbestos-induced mesotheliomas in heterozygous *p53* +/- mice. Toxicological Sciences 2002 68: 331-338, 2002.

20. Posner SF, Vaslet CA, Jurofcik M, Lee A, Seidah NG, Nillni EA. Stepwise postranslatiuonal processing of progrowth hormone-releasing hormone (proGHRH) polypeptide by furin and PC1. *Endocrine* 23: 1-15, 2004.

21. Storey BT, Fugere C, Lesieur-Brooks A, Vaslet CA, Thompson NL. Adenovral modulation of the tumor-associated system L amino acid transporter, LAT1, alters amino acid transport, cell growth and 4F2/CD98 expression with cell-type specific effects in cultured hepatic cells. International Journal of Cancer 117: 387-397, 2005

22. Mulcahy LR, Vaslet CA, Nillni EA. Prohormone-convertase 1 processing enhances post-golgi sorting of prothyrotropin releasing hormone-derived peptides. Journal of Biological Chemistry 280: 39818-39826, 2005

23. Altomare DA, Vaslet CA, Skele KL, De Rienzo A, Devarajan K, Jhanwar SC, McClatchey AI, Kane AB, Testa JR. A mouse model recapitulating molecular features of human mesothelioma. Cancer Research 65: 8090-8095, 2005

BROWN UNIVERSITY INSTRUCTION

Invited Lecturer:

Biology 183 – Pathology Discussion Session
Biology 283 – Topics in Pathobiology

Senior Thesis Advisor:

Shannon Terkell ’06
Margaret Tsien ’05
Alexandra Asrow ’05
Jodie Pietruska '99
Caitlyn Waller '99
Kathleen Attfield '97
Brenda Liu '96

UNIVERSITY TEACHING ROLES

Bio 340 - Biotechnology Roger Williams University, Bristol, RI	1994-1995
Recombinant DNA Methodology Course The Catholic University of America, Washington, DC	1983-1991
Site Directed Mutagenesis Course The Catholic University of America, Washington, DC	1985-1986

OTHER TEACHING

Director, New Gene Discovery Methods Exon-Intron,Inc./Penn State University York, PA	1999-present
Instructor, Advanced rDNA Methods Exon-Intron, Inc., Columbia, MD	1990-1999
Director, PCR Methods Exon-Intron, Inc., Columbia, MD	1990-1999
Director, Recombinant DNA Training Genex Corporation, Gaithersburg, MD	1983-1985