CURRICULUM VITAE
(Weston W. Porter, PhD)

PRESENT POSITION AND ADDRESS:

Title: Assistant Professor
Address: Texas A&M University
MS 4458
College Station, TX 77843

Phone: 979-845-0733
FAX: 979-862-4929
Email: wporter@cvm.tamu.edu

EDUCATION:

Degree/Training	Conferring Institution	Field	Year
B.S.	Texas A&M University	Genetics	1991
Ph.D.	Texas A&M University	Toxicology	1996
Postdoctoral	U.T. Southwestern Medical	Endocrinology	1997-1998
Postdoctoral	Baylor College of Medicine	Cell Biology	1998-2001

PROFESSIONAL EXPERIENCE AND ACADEMIC APPOINTMENTS:

2001- Assistant Professor of Integrated Biosciences, Texas A&M University
2001- Faculty of Toxicology
2002- Faculty of Reproduction
2002- IFSE Center for Food Safety
2005- Full Member Center for Environmental and Rural Health
2006- Associate Member, Graduate Faculty Texas A&M Health Science Center

CLINICAL SPECIALTY/BOARD CERTIFICATION:

Not Relevant

AWARDS AND HONORS:

Susan G. Komen Breast Cancer Foundation Postdoctoral Fellowship (1999-2001)
Texas A&M Association of Former Students - Distinguished Graduate Student Award- (1997-1998)
Society of Toxicology Student Fellowship-Procter and Gamble Award (1996)
George T. Edds Toxicology Outstanding Graduate Student Award (1995)
National Institutes of Environmental Health Training Grant Fellowship (1992-1996)

EDITORIAL BOARDS:

None

GRANT REVIEW COMMITTEES:

Department of Energy
-External Advisory Board – Lawrence Livermore National Laboratories Center for Accelerator Mass Spectrometry, 2003

TEACHING EXPERIENCE:

Undergraduate:
N/A

Professional
N/A

Graduate:

1. Fall 2002, VAPH 617-601, Cell Biology/Nuclear Steroid Receptors (1.0 unit)
2. Fall 2002, VAPH 605, Chemical Hazards Assessment, Guest Lecturer
3. Spring 2002, VAPH 691, Research Hours, H. Kwak (3.0 hrs)
4. Spring 2002, VAPH 485, Undergraduate Research, Jennifer (3.0 hrs)
5. Summer 2002, VAPH 691, Research Hours, H. Kwak (6.0 hrs)
6. Fall 2002, VAPH 691, Research Hours, H. Kwak (3.0 hrs)
7. Fall 2002, Toxicology Research Rotation, Lance Chapman (1.0 hrs)
8. Fall 2002, Toxicology Research Rotation, Kathy Vanderlaag (1.0 hrs)
9. Fall 2003, VAPH 617-601, Cell Biology/Nuclear Steroid Receptors (1.0 unit)
10. Fall 2003, VAPH 670, Basic Environmental Toxicology, Guest Lecturer
11. Fall 2003, VAPH, Mammalian Embryology, Class Co-coordinator (3.0 hrs)
12. Fall 2003, VAPH 691, Research Hours, H. Kwak (6.0 hrs)
13. Fall 2003, Toxicology Research Rotation, (1.0 hrs)
14. Summer 2003, VAPH 691, Research Hours, H. Kwak (6.0 hrs)
15. Spring 2003, VAPH 691, Research Hours, H. Kwak (3.0 hrs)
16. Summer 2003, VAPH 691, Research Hours, H. Kwak (6.0 hrs)
17. Spring 2004, VAPH 691, Research Hours, H. Kwak (3.0 hrs)
18. Spring 2004, VPP 600, Molecular Toxicology, Guest Lecturer (4 hrs)
19. Spring 2004, VAPH 691, Research Hours, H. Kwak (3.0 hrs)
20. Spring 2004, VAPH 6XX, Seminar Class (1.0 hrs)
21. Summer 2004, VAPH 691, Research Hours, H. Kwak (6.0 hrs)
22. Summer 2004, VAPH 691, Research Hours, T. Gustafson (6.0 hrs)
23. Fall 2004, VIBS 617-601, Cell Biology/Nuclear Steroid Receptors (1.0 unit)
24. Fall 2004, VIBS 670, Basic Environmental Toxicology, Guest Lecturer (2 hrs)
25. Fall 2004, VIBS 691, Research Hours, H. Kwak (9.0 hrs)
26. Fall 2004, VIBS 691, Research Hours, T. Gustafson (6.0 hrs)
27. Fall 2004, Toxicology Research Rotation, (1.0 hrs)

28. Spring 2005, VPP 600, Molecular Toxicology, Guest Lecturer (4 hrs)
29. Spring 2005, VIBS 691, Research Hours, H. Kwak (3.0 hrs)
30. Spring 2005, VIBS 6XX, Seminar Class (1.0 hrs)
31. Spring 2005, VIBS 691, Research Hours, H. Kwak (9.0 hrs)
32. Spring 2005, VIBS 691, Research Hours, T. Gustafson (6.0 hrs)
33. Spring 2005, VIBS 691, Research Hours, E. Wellberg (6.0 hrs)
34. Spring 2005, VIBS 691, Research Hours, B. Laffin (9.0 hrs)
35. Summer 2005, VIBS 691, Research Hours, H. Kwak (6.0 hrs)
36. Summer 2005, VIBS 691, Research Hours, T. Gustafson (6.0 hrs)
37. Summer 2005, VIBS 691, Research Hours, E. Wellberg (6.0 hrs)
38. Summer 2005, VIBS 691, Research Hours, B. Laffin (6.0 hrs)
39. Fall 2005, VIBS 617-601, Cell Biology/Nuclear Steroid Receptors (1.0 unit)
40. Fall 2005, VIBS 670, Basic Environmental Toxicology, Guest Lecturer (2 hrs)
41. Fall 2005, VIBS 691, Research Hours, H. Kwak (9.0 hrs)
42. Fall 2005, VIBS 691, Research Hours, T. Gustafson (6.0 hrs)
43. Fall 2005, VIBS 691, Research Hours, E. Wellberg (6.0 hrs)
44. Fall 2005, VIBS 691, Research Hours, B. Laffin (9.0 hrs)

Graduate Students:

Name	Degree	Institution	Advisor or Committee Member	Dates
H. Kwak	PhD, Tox	TAMU	Advisor	2002-
M. Abdelrahim	PhD, Tox	TAMU	Member	2003-2004
K. Lum	PhD, Tox	TAMU	Member	2003-2004
Marcia Alejandro	PhD, Hort	TAMU	Member	2002-2005
Maen Abraham	PhD, Tox	TAMU	Member	2003-2004
Bolivar Contreras	PhD, Hort	TAMU	Member	2003-
Kathy Vaderlagg	PhD, Tox	TAMU	Member	2002-
Denman Williams	MS, Path	TAMU	Member	2003-
Tanya Gustafson	PhD, Tox	TAMU	Advisor	2004-
Brian Laffin	PhD, Tox	TAMU	Advisor	2005-
Elizabeth Wellberg	PhD, Tox	TAMU	Advisor	2005-
Xiangrong Li	PhD, Tox	TAMU	Advisor	2003-2005
Bo Lee	PhD, Tox	TAMU	Member	2002-
Wan-Ru Lee	PhD, Tox	TAMU	Member	2003-
Chien-Chen Chen	PhD, Tox	TAMU	Member	2003-
Jeong Eun Lee	PhD, Tox	TAMU	Member	2003-

Post-doctoral Fellows:

Name	Institution	Dates
Rick Metz, PhD	TAMU	2002-

TEACHING PROGRAMS

None

RESEARCH/SCHOLARLY ACTIVITIES:

Grants Funded

1. Department of Defense Medically Directed Research Program Idea Award, $350,000, "Role of the AhR in Breast Cancer and Development" (9/02-9/06) W. Porter, PI

2. 1R01CA111551-01A1 (Porter, W., PI) NCI $1,400,000
"Singleminded-2 in Mammary Gland Development and Breast Cancer" (7/05-6/10)
The objective of this grant is to determine the role of Sim2 in normal mammary gland development and breast cancer using transgenic and knockout models

3. *2P42ES04917-17 (Safe, S., PI)* NIEHS Procedures to Assess the Hazards of a Superfund Site $ 7,000,000 The objective of this grant is to utilize novel methodologies to detect and assess toxic sites Role: Co-investigator, 10%

4. Texas Higher Education Coordinating Board (Michael P. Kladde, PI)
05/15/2006-05/14/2008
This project aims to determine the chromatin structure of the Down's Syndrome-associated Sim2 gene and the extent to which *de novo* targeting of C5 DNA methylation is sufficient to effect silencing of Sim2 expression.
Role: Co-PI, 5%

Pending:

1. DOD- Medically Directed Research Program Synergistic Idea Award
Mechanisms of Epigenetic Silencing of Breast Cancer Tumor Suppressor Genes
(Porter, W., PI) $500,000 Submitted June 2006

2. RO1-NCI
Per1 and Per2 in Breast Cancer and Mammary Gland Development
(Porter, W., PI) $1,250,000 Submitted June 2006

BIBLIOGRAPHY:

Publications in Refereed Journals:

1. Wang, X., Porter, W., Krishnan, V., Narasimhan, T.R. and Safe, S. Mechanism of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD)-mediated decrease of the nuclear estrogen

receptor in MCF-7 human breast cancer cells. *Mol. Cell. Endocrinol*. 37:159-166, 1993.

2. Porter, W., Duan, R. and Safe, S. Inhibition of estrogen-induced heast shock protein 27 (HSP27) gene expression by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) in MCF-7 human breast cancer cells. *Organohalogen Compounds* 21:319-321, 1994.

3. Wang, W., Thomsen, J.S., Porter, W., Moore, M. and Safe, S. A novel mechanism for restoring aryl hydrocarbon (Ah)-responsiveness in Hs578T human breast cancer cells. *Organhalogen Compounds* 25:395-3987, 1995.

4. Schrope, K., Porter**,** W. and Safe, S. Effects of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin on insulin-like growth factor binding protein 4 in MCF-7 and T47D human breast cancer cells. *Organohalogen Compounds* 25:235-238, 1995.

5. Krishnan, V., Porter, W., Santostefano, M., Wang, X. and Safe, S. Inhibition of estrogen-induced cathepsin-D gene expression by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) in MCF-7 cells: molecular mechanism. *Mol. Cell Biol.* 15:6710-6719, 1995.

6. Wang, W., Thomsen, J., Porter, W., Moore, M. and Safe, S. Effects of transient expression of the estrogen receptor on constitutive and inducible CYP1A1 in Hs578T human breast cancer cells. *Br. J. Cancer* 73: 316-322, 1996.

7. Porter, W., Wang, F., Wang, W. , Duan, R. and Safe, S. Mechanism of estrogen-induced Hsp27 gene expression. *Mol. Endocrinol.* 10:1371-1378, 1996.

8. Gillesby, B.E., Stanostefano, M., Porter, W., Safe, S., Wu, Z.H. and Zacharewski, T.R. Identification of a motif within the 5' regulatory region of pS2 which is responsible for AP-1 binding and TCDD-mediated suppression. *Biochemistry* 36:6080-6089, 1997.

9. Wang, W., Porter, W., Burghardt, R. and Safe, S. Mechanism of inhibition of MDA-468 breast cancer cell growth by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin. *Carcinogenesis* 19:925-933, 1997.

10. Porter, W., Saville, B., Hoivik, D. and Safe, S. Functional synergy between the transcription factor Sp1 and the estrogen receptor. *Mol. Endocrinol.* 11:1569-1580, 1997.

11. Wang, F., Porter, W. and Safe, S. Identification of a functional imperfect estrogen-responsive element in the 5'-promoter region of the human cathepsin D gene. *Biochemistry* 36:7793-7801, 1997.

12. Duan, R., Porter, W. and Safe, S. Estrogen-induced c-fos protooncogene expression in MCF-7 human breast cancer cells: role of estrogen receptor Sp1 complex formation. *Endocrinology* 139:1981-1990, 1998.

13. Sun, G., Porter, W. and Safe, S. Estrogen-induced retinoic acid receptor α1 gene expression: role of estrogen receptor-Sp1 complex. *Mol. Endocrinol.* 12:882-890, 1998.

14. Safe, S., Wang, F., Porter, W., Duan, R. and McDougal, A. Ah-receptor agonists as endocrine disruptors: antiestrogenic activity and mechanisms. *Toxicol. Lett.* 102-103:343-347, 1998.

15. Suh, N., Wang, Y., hondo, T., Gribble, G.W., Dmitrovsky, E., Hickey, W.F., Maue, R.A., Place, A.E., Porter, D.M., Spinella, M.J., Williams, C.R., Wu, G., Dannenberg, A.J., Flanders, K.C., Letterio, J.J., Mangelsdorf, D.J., Nathan, C.F., Nguyen, L., Porter W.W., Ren, R.F., Roberts, A.B., Roche, N.S., Subbaramaiah, K. and Sporn, M.B. A novel synthetic riterpenoid, 2-cyano-3,12-dioxoolean-1,9-dien-28-oic acid, with potent differentiating, antiproliferative and anti-inflammatory activity. *Cancer Res.* 59:336-341, 1999.

16. Duan, R., Porter, W., Samudio, I., Vyhlidal, C., Kladde, M. and Safe, S. Transcriptional activation of c-fos protooncogene by 17β-estradiol: mechanism of aryl hydrocarbon receptor-mediated inhibition. *Mol. Endocrinol.* 13:1511-1521, 1999.

17. Porter, WW, Wang, Y., Suh, N., Honda, T, Gribble, G.W., Leesnitzer, L.M., Plunket, K.D., Mangelsdorf, D.J., Blanchard, S.G., Willson, T.M. and Sporn, M.B. A synthetic triterpenoid, 2-cyano-3,12-dioxooleana-1,9-dien-28-oic acid (CDDO), is a ligand for the peroxisome proliferator activated receptor γ. *Mol. Endocrinol.* 14:1550-1556, 2000.

18. Porter, W.W., Fang, F., Duan, R., Qin, C., Castro-Rivera, E., Kim, K. and Safe, S. Transcriptional Regulation of the heat shock protein 27 gene expression by 17β-estradiol and modulation by antiestrogen and aryl hydrocarbon receptor agonists. *J. Mol. Endocrinol.* 26:31-42, 2001.

19. Qin, C, Morrow, D., Stewart, J., Spencer, IK., Porter, W., Smith III, R., Phillips,T., Abdelrahim, m., Samudio, I. And Safe, S. A new class of peroxisome proliferator-activated receptor g (PPARg) agonists that inhibit growth of breast cancer cells. *Mol Cancer Therap*. 3:247-259, 2004.

20. Richard P. Metz, Xiaoyu Qu, David Earnest and Weston Porter. Circadian Clock and Cell Cycle Gene Expression In Mouse Mammary Epithelial Cells and in the Developing Mouse Mammary Gland. *Dev. Dynamics* 235(1):263-71, 2006.

21. Metz, R.P., Kwak, H., Gustafson, T., and Porter, W. Differential transcriptional regulation by mouse Singleminded2s. J Biol Chem 281:10839-48, 2006.

22. McDaniel SM, Rumer KK, Biroc, SL, Metz, RP, Singh, M. Porter, W and Schedin, P Remodeling of the mammary microenvironment after lacation promotes breast tumor cell metastasis. Am J Pathol 168:608-20, 2006.

23. Higgins KJ, Liu S, Abdelrahim M, Yoon K, Vanderlaag K, Porter W, Metz RP, Safe S. Vascular Endothelial Growth Factor Receptor-2 Expression Is Induced By 17b-Estradiol In ZR-75 Breast Cancer Cells By Estrogen Receptor a/Sp Proteins. Endocrinol. March 30, 2006 (in press)

24. B. Dash, E. Afriyie-Gyawu, H. J. Huebner, W. Porter, 1J. S. Wang, 2P. E. Jolly, T. D. Phillips. Noninvasive Identification of Inter-individual Variation in Xenobiotic Metabolizing Enzymes: Implications for Cancer Epidemiology and Biomarker Studies (Accepted).

25. B. Dash, E. Afriyie-Gyawu, H. J. Huebner, W. Porter, 1J. S. Wang, 2P. E. Jolly, T. D. Phillips. Host factors in the variability of aflatoxin-albumin adduct levels: Microsomal epoxide hydrolase genotype may be associated with the variability of aflatoxin-albumin adduct levels in Ghanaians (Accepted).

26. Hyeong-Il Kwak, Richard P. Metz, Kristin Kucera, Abby Williams, Pepper Schedin and Weston W. Porter. The Down Syndrome Gene Singleminded-2s is a Putative Breast Tumor Suppressor Gene (In Press, Carcinogenesis).

29. Brian Laffin, Hyeong-Il Kwak, Richard Metz and Weston W. Porter. Single-minded 2 is a Master Regulator of Morphogenesis (Submitted).

28. Tanya Gustafson, Jessica Kilgore, Keelan Anderson, Micahel Kladde and Weston W. Porter. Mechanism of Epigenetic Silencing of SIM2 in Breast Cancer Progression (In Preparation).

29. Tanya Gustafson, Keelan Anderson, Micahel Kladde and Weston W. Porter. Regulation of SIM2 in Cell Fate (In Preparation).

Chapters:

1. Safe, S and Porter, W. (1999) Estrogenic and antiestrogenic compounds. In *Molecular Biology of the Toxic Response* (Puga, A. and Wallace, K., Eds.). Taylor and Francis, Washington.

2. Safe, S, Chen, I. and Porter, W. (1996) Dietary indoles with antiestrogenic activity in common vegetables and their implications. In *Estrogens, Progestins and Their Antagonsists* (Pavlik E.J., Ed.). Birkhauser, Boston.

Textbooks:
None

PATENTS AND RELATED DISCOVERY ACTIVITIES
None

SERVICE ACTIVITIES:

Clinical Service:

Professional Organizations and Service:

Manuscript Review for Journals:
1. *Molecular and Cellular Endocrinology*
2. *Toxicology*
3. *Molecular Endocrinology*
4. *TAP*
5. *Biology of Reproduction*

Major Committee Assignments:
1. Graduate Education Committee, 2002-2006, VIBS
2. Research Infrastructure Committee, 2002-2004, VIBS
3. Toxicology Signature Program Faculty Search, 2004-2006
4. Faculty of Toxicology Executive Committee, 2005-Present

OTHER SCHOLARLY ACTIVITY:

1. Co-Chair, Gulf Coast Society of Toxicology Annual Meeting, 2002, College Station, TX. Secured funding and co-chaired the GCSOT conferences for 2002. The scientific program included four plenary lectures, twelve student/post-doc platform presentations and over sixty poster presentations, awards banquet and a scientific vendor exhibition. Approximately 130 people attended the conference.

2. Co-Organizer, Interdisciplinary Faculty of Toxicology recruiting, March 2002. Organized and secured funding for the first organized recruiting effort by the IFT. This involved flying in competitive candidates from across the nation to interview and participate in social activities. Of the targeted eight students, five joined the IFT at Texas A&M.

3. Co-Chair, Center for Environmental and Rural Health (CERH) Symposia entitled "Circadian Rhythms and the Environmental Response". Co-organized with Dr. David Earnest. The scientific program included five plenary lectures, two of which are members

of the National Academy of Sciences, and over 40 poster presentations. Approximately 145 people attended the conference.

4. Organizer, Interdisciplinary Faculty of Toxicology Annual Symposia, August 2004, August 2005, August 2006. Organized and secured funding for the annual toxicology symposia. The program included 8 platform presentations and over 35 poster presentations.

The content of this CV is current and free of intentional errors.

Weston W. Porter, PhD October 20, 2006