

CURRICULUM VITAE

NAME: Qingding Wang

DATE: June. 1, 2009

PRESENT POSITION AND ADDRESS:

Assistant Professor
Markey Comprehensive Cancer Center and
Department of Surgery
University of Kentucky
BBSRB room B381
741 South Limestone
Lexington, KY 40506-0509
Phone: 859-323-4282
Email: qingding.wang@uky.edu

EDUCATION:

- 1991-1994: Department of Biochemical Pharmacology
Institute of Beijing Pharmacology and Toxicology, Beijing
Major: Biochemistry
Dissertation: Gene cloning of human DFPase
Supervisor: Professor Sun Manji
Degree: Ph. D. August, 1994
- 1986-1989: Department of Pharmacology
Lanzhou Medical College, Lanzhou
Major: Pharmacology
Thesis: Effects of sodium diethyldithiocarbamate on
mutation induced by cisplatin
Supervisor: Prof. Zhang Peiyuan
Degree: M. S., August, 1989
- 1981-1986: Faculty of Medicine, Lanzhou Medical College, Lanzhou
Major: Medicine
Major course: Biology, Anatomy, Histology, Embryology,
Physiology, Biochemistry, Pathology, Pathophysiology, Immunology,
Microbiology, Pharmacology, Epidemiology, Hygiene, Radiology, Clinical
Medicine
Degree: M. D., August, 1986

PROFESSIONAL & TEACHING EXPERIENCE:

- 2009.6- current Assistant Professor
Markey Comprehensive Cancer Center and

	Department of Surgery University of Kentucky
2002.12- 2009.5	Assistant Professor Department of Surgery University of Texas Medical Branch at Galveston
2000-2002.11	Instructor Department of Surgery University of Texas Medical Branch at Galveston
1998-2000	Visiting Scientist Department of Surgery University of Texas Medical Branch at Galveston
1994-1998	Assistant Professor Department of Biochemical Pharmacology Institute of Beijing Pharmacology and Toxicology, Beijing
1989-1991	Instructor Department of Pharmacology Lanzhou Medical School

RESEARCH ACTIVITIES:

Grants:

GRIP Seed Money Grant. Novel patterns of neurotensin-mediated gene expression: a genomic analysis. Jan. 1, 2003-Aug. 31, 2003. \$10,000.

University of Kentucky Start-up Funding: July 1, 2009-June 30, 2012. \$300,000.

MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS:

American Gastroenterological Association
American Association for Cancer Research

ADDITIONAL INFORMATION:

(Patent and others):

1. Title: A magnetic carried chromatography technique
(<http://202.96.46.252/viewdetail.ask?key=92112977>)
Inventors: **Wang QD**, Haoyong Wang

Assignees: Haoyong Wang, **Wang QD**

Application Date: Nov. 6, 1992

Application Serial Number: 92112977

Issue Date: Aug. 18, 1993

Issue Number: 1075269

IPC: B01D 15/08

Assignee Country: China

2. **Wang QD**, Xiaofu Wang, B. Mark Evers. Homo sapiens FLIP gene, promoter sequence. *GenBank. AF238465, 08-MAR-2000*
3. Xiaofu Wang, Yanshan Ji, **Wang QD**, Evers, B.M. Homo sapiens TRAIL gene, promoter region. *GenBank. AF178756, 19-OCT-2000*

PUBLISHED:

A. ARTICLES IN PEER-REVIEWED JOURNALS:

1. **Wang QD**, Zhou Y, Zhang P. Inhibition of sodium diethyldithiocarbamate on mutation induced by cisplatin. *Chinese Journal of Pharmacology and Toxicology* 10:207, 1996.
2. **Wang QD**, Sun M. Paraoxonase in human serum. *Progress in Biochemistry and Biophysics* 23:217, 1996.
3. **Wang QD**, Sun M. Distribution of esterases related with organophosphorous compounds in human tissues. *Chinese Journal of Pharmacology and Toxicology* 12:91-93, 1998.
4. **Wang QD**, Sun M. Purification and properties of a Diisopropylfluorophosphatase from human liver. *J Biochem Mol Toxicol* 12:213-217, 1998.
5. Ding Q, **Wang QD**, Dong Z, Evers BM. Characterization and regulation of E2F activity during Caco-2 cell differentiation. *Am J Physiol* 278:C110-C117, 2000.
6. **Wang QD**, Ding QM, Dong Z, Ehlers RA, Evers BM. Downregulation of mitogen-activated protein kinases in human colon cancers. *Anticancer Res* 20:75-84, 2000.
7. Hernandez A, Smith F, **Wang QD**, Wang X, Evers BM. Assessment of differential gene expression patterns in human colon cancers. *Ann Surg* 232:576-585, 2000.
8. **Wang QD**, Kim S, Wang X, Evers BM. Activation of NF- κ B binding in HT-29 colon cancer cells by inhibition of phosphatidylinositol 3-kinase. *Biochem Biophys Res Commun* 273:853-858, 2000.
9. **Wang QD**, Ji Y, Wang X, Evers BM. Isolation and molecular characterization of the 5'-upstream region of the human TRAIL gene. *Biochem Biophys Res Commun* 276:466-471, 2000.
10. **Wang QD**, Wang X, Hernandez A, Kim SB, Evers BM. Inhibition of the phosphatidylinositol 3-kinase pathway contributes to HT29 and Caco-2 intestinal cell differentiation. *Gastroenterology* 120:1381-1392, 2001.
11. Hernandez A, **Wang QD**, Schwartz SA, Evers BM. Sensitization of human colon

- cancer cells to TRAIL-mediated apoptosis. *J Gastrointest Surg* 5:56-65, 2001.
12. Ding Q, **Wang QD**, Evers BM. Alterations of MAPK activities associated with intestinal cell differentiation. *Biochem Biophys Res Commun* 284:282-288, 2001.
 13. **Wang QD**, Li N, Wang X, Kim MM, Evers BM. Augmentation of sodium butyrate-induced apoptosis by phosphatidylinositol 3'-kinase inhibition in the KM20 human colon cancer cell line. *Clin Cancer Res* 8:1940-1947, 2002.
 14. Kim S, Domon-Dell C, **Wang QD**, Chung DH, Di Cristofano A, Pandolfi PP, Freund JN, Evers BM. PTEN and TNF- α regulation of the Cdx-2 homeobox gene through a PI3K, PKB/Akt and NF- κ B dependent pathway. *Gastroenterology* 123:1163-1178, 2002.
 15. **Wang QD**, Wang X, Hernandez A, Hellmich MR, Gatalica Z, Evers BM. Regulation of TRAIL expression by the PI3-kinase/Akt/GSK-3 pathway in human colon cancer cells. *J Biol Chem* 277:36602-36610, 2002.
 16. **Wang QD**, Wang X, Evers BM. Induction of cIAP-2 in human colon cancer cells through PKCdelta /NF-kappa B. *J Biol Chem* 278 (51): 51091-51099, 2003.
 17. Wang XF, **Wang QD**, Hu WQ, et al. Regulation of phorbol ester-mediated TRAF1 induction in human colon cancer cells through a PKC/RAF/ERK/NF-kappa B-dependent pathway. *Oncogene* 23 (10): 1885-1895, 2004.
 18. Li N, **Wang QD**, Li J, Wang X, Hellmich MR, Rajaraman S, Greeley Jr GH, Townsend Jr CM, Evers BM. Inhibition of mitochondrial gene transcription suppresses neurotensin secretion in the human carcinoid cell line BON. *Am J Physiol Gastrointest Liver Physiol*. 288(2):G213-20, 2005. (Epub 2004 Sep 09).
 19. Zhou Y, **Wang QD**, Evers BM, Chung DH. Signal transduction pathways involved in oxidative stress-induced intestinal epithelial cell apoptosis. *Pediatr Res*. 58(6):1192-7, 2005.
 20. **Wang QD**, Wang X, Zhou Y, Evers BM. PKCdelta-mediated regulation of FLIP expression in human colon cancer cells. *Int J Cancer*. 118(2):326-34, 2006.
 21. **Wang QD**, Zhou Y, Wang X, Evers BM. Glycogen synthase kinase-3 is a negative regulator of extracellular signal-regulated kinase. *Oncogene*. 5;25(1):43-50, 2006.
 22. **Wang QD**, Zhou Y, Evers BM.. Neurotensin phosphorylates GSK-3alpha/beta through the activation of PKC in human colon cancer cells. *Neoplasia*. 8(9):781-7, 2006.
 23. Wang XF, **Wang QD**, Ives KL, Evers BM. Curcumin inhibits neurotensin-mediated interleukin-8 production and migration of HCT116 human colon cancer cells. *Clin Cancer Res*. 12(18):5346-55, 2006.
 24. Zhou YN, **Wang QD**, Evers BM, Chung DH. Oxidative stress-induced intestinal epithelial cell apoptosis is mediated by p38 MAPK. *Biochem Biophys Res Commun* 350 (4): 860-865, 2006.
 25. **Wang QD**, Zhou YN, Wang XF, et al. Regulation of PTEN expression in intestinal epithelial cells by c-jun NH2-terminal kinase activation and nuclear factor-kappa B inhibition. *Cancer Res* 67 (16): 7773-7781, 2007.
 26. **Wang QD**, Zhou Y, Wang X, Evers BM. p27 Kip1 nuclear localization and cyclin-

- dependent kinase inhibitory activity are regulated by glycogen synthase kinase-3 in human colon cancer cells. *Cell Death Differ.* 2008 May;15(5):908-19. Epub 2008 Feb 8.
27. Jackson LN, Zhou Y, Qiu S, **Wang Q**, Evers BM. Alternative medicine products as a novel treatment strategy for inflammatory bowel disease. *Am J Chin Med.* 2008;36(5):953-65.

B. OTHER

Presentations:

1. **Wang QD**, Xiaofu Wang, Sunghoon Kim, B.M. Evers. Induction of TRAIL expression in fetal intestinal cell s associated with PI3-kinase inhibition and differentiation. (American Gastroenterological Association annual meeting, 2001, oral presentation). *Gastroenterology*, 120: A104, 2001.
2. **Wang QD**, Robert Thomas, Nan Li, Xiaofu Wang, B.M. Evers. Gene array analysis of the expression profile associated with intestinal cell differentiation. (American Gastroenterological Association annual meeting, 2001, oral presentation). *Gastroenterology*, 120: A88, 2001.
3. **Wang QD**, Xiaofu Wang, B.M. Evers. Neurotensin phosphorylates glycogen synthase kinase-3 via a PKC-dependent pathway in HT29 colon cancer cells. (American Gastroenterological Association annual meeting, 2003, oral presentation). *Gastroenterology*, 124: A-66, 2003.
4. Yuning Zhou, **Wang QD**, Xiaofu Wang, Subo Yuan, B. Mark Evers. Induction Of Pten Expression, Mediated Through the JNK/NFkappaB Pathway, Is Associated With Intestinal Differentiation. (American Gastroenterological Association annual meeting, 2005, oral presentation).
5. Zhou Y, **Wang QD**, Evers BM, et al. Protein kinase C-epsilon regulates the apoptosis and survival of intestinal epithelial cells. (American Gastroenterological Association annual meeting, 2003, oral presentation). *Gastroenterology*, 130: A-141, 2006.
6. **Wang QD**, Yuning Zhou, Evers BM. Regulation of beta-catenin in intestinal cells by the tumor suppressor protein PTEN. (The 97nd American Association of Cancer Research Annual Meeting, 2006, oral presentation).
7. **Wang QD**, Yuning Zhou, Evers BM. Specific regulation of nuclear P27(Kip1) expression and cyclin-dependent kinase inhibitory activity by glycogen synthase kinase-3 beta in intestinal cell differentiation. (American Gastroenterological Association annual meeting, 2008, oral presentation). *Gastroenterology*, 134: A-115, 2008.

C. ABSTRACTS

1. **Wang QD**, Ding QM, Evers BM. Inhibition of phosphatidylinositol 3-kinase increases butyrate-mediated differentiation of HT29 cells. (American Gastroenterological Association annual meeting, 1999). *Gastroenterology*, 116: (4) A549-A549 Part 2 APR 1999.
2. **Wang QD**, Ding QM, Dong ZZ, Evers BM. Downregulation of mitogen-activated protein kinases in human colon cancer.(American Gastroenterological Association

- annual meeting, 1999). *Gastroenterology*, 116: (4) A400-A400 Part 2 APR 1999.
3. Ding QM, **Wang QD**, Dong Z, Evers BM. Characterization and regulation of E2F activity during intestinal cell differentiation. (American Gastroenterological Association annual meeting, 1999). *Gastroenterology*, 116: (4) A875-A875 Part 2 APR 1999.
 4. **Wang QD**, Wang XF, Hernandez A, Evers BM. Induction of TRAIL in HT29 colon cancer cells by PI3-kinase inhibition. (American Gastroenterological Association annual meeting). *Gastroenterology*, 118: (4) A542-A542 Part 1 Suppl. 2 APR 2000.
 5. **Wang QD**, Kim M, Li N, Hernandez A, Evers BM. Inhibition of PI3-kinase enhances apoptosis of human colon cancer cells treated with sodium butyrate. (American Gastroenterological Association annual meeting). *Gastroenterology*, 118: (4) A527-A527 Part 1 Suppl. 2 APR 2000.
 6. Li N, **Wang QD**, Wang XF, Hellmich MR, Greeley Jr GH, Townsend Jr CM, Evers BM. Inhibition of mitochondrial gene transcription suppresses neurotensin secretion in the human carcinoid cell line BON. (American Gastroenterological Association annual meeting). *Gastroenterology*, 118: (4) A301-A301 Part 1 Suppl. 2 APR 2000.
 7. Li N, **Wang QD**, Wang XF, Hellmich MR, Greeley Jr GH, Townsend Jr CM, Evers BM. Calcium-independent regulation of neurotensin release by the PI3-kinase pathway. *Gastroenterology* 118: (4) A1104-A1104 Part 2 Suppl. 2 APR 2000.
 8. Hernandez A, **Wang QD**, Evers BM. TRAIL-mediated immune escape by colon cancers. (American Gastroenterological Association annual meeting). *Gastroenterology*, 118: (4) A533-A533 Part 1 Suppl. 2 APR 2000.
 9. Wang XF, **Wang QD**, Evers BM. Regulation of TRAIL gene expression in the human colon cancer cell line HT29. (American Gastroenterological Association annual meeting). *Gastroenterology*, 118: (4) A542-A542 Part 1 Suppl. 2 APR 2000.
 10. Kim S, Murillo C, **Wang QD**, Domon-Dell C, Freund J-N, Evers BM. The homeobox gene Cdx-2 is up-regulated in HT29 cells by PI3-kinase Inhibition. (American Gastroenterological Association annual meeting). *Gastroenterology*, 118: (4) A820-A820 Part 1 Suppl. 2 APR 2000.
 11. Hernandez A, Schwartz SA, **Wang QD**, Evers BM. Sensitization of human cancer cells to TRAIL-mediated apoptosis. (SSAT 2000). *Gastroenterology*, 118: (4) A1025-A1025 Part 1 Suppl. 2 APR 2000.
 12. Hernandez A, **Wang QD**, Wang XF, ZG, Evers BM. Intestinal cell differentiation is associated with increased TRAIL expression. (American College of Surgery, 2000). *Surgical Forum*, Vol. LI, 2000.
 13. **Wang QD**, Wang XF, Li N, Evers BM. PKC-dependent regulation of FLIP gene expression in the human colon cancer cell line Caco-2. (The 92nd American Association of Cancer Research Annual Meeting, Vol. 42, 1696, 2001).
 14. **Wang QD**, Li N, Wang XF, Kim S, Evers BM. Enhancement of HT29 and Caco-2 intestinal cell differentiation by PTEN overexpression. (The 92nd American Association of Cancer Research Annual Meeting, Vol. 42, 4134, 2001).
 15. Kim S, Dai H Chung, **Wang QD**, Evers BM. Transcriptional regulation of human neurotensin receptor by PI3-kinase in human neuroblastomas. (The 92nd American Association of Cancer Research Annual Meeting, Vol. 42, 2001).
 16. Wang XF, **Wang QD**, Evers BM. Phorbol ester-mediated neurotensin (NT/N) gene induction is regulated by a Ras/PKC/ATF-2 dependent pathway. (American

- Gastroenterological Association annual meeting, 2001). *Gastroenterology* 120: A309, 2001.
17. Kim S, Domon-Dell C, **Wang QD**, Dai H, Chung, Freund J-N, Evers BM. The PI3K/Glycogen synthase kinase 3 pathway regulates nuclear translocation of the cdx-2 transcription factor in colon cancer cells. (American Gastroenterological Association annual meeting, 2001). *Gastroenterology* 120: A500, 2001.
 18. Thomas RP, Farrow BJ, Kim S, **Wang QD**, Wang XF, Evers BM. Butyrate sensitizes human pancreatic cancer cell to TRAIL-mediated apoptosis through TRAIL-receptor upregulation. *Proceedings of the American Association for Cancer Research* 43:107, 2002.
 19. Wang XF, **Wang QD**, Thomas RP, Evers BM. PKC-mediated induction of TRAF1 in human colon cancer cells is dependent on *K-ras* activation. *Proceedings of the American Association for Cancer Research* 43:107, 2002.
 20. **Wang QD**, Wang XF, Thomas RP, Evers BM. Phorbol ester-induced cIAP2 expression in human colon cancer cells is dependent on the novel protein kinase C- δ . *Proceedings of the American Association for Cancer Research* 43:530, 2002.
 21. Wang XF, **Wang QD**, Wan-Qin H, Thomas RP, Evers BM. Phorbol 12-myristate 13-acetate upregulates expression of proapoptotic genes and increases the sensitivity of Panc-1 cells to TRAIL. *Gastroenterology* 122:A242, 2002.
 22. **Wang QD**, Wang XF, Thomas RP, Walker SL, Evers BM. Inhibition of GSK-3 β attenuates sodium butyrate-mediated differentiation and apoptosis in the HT29 colon cancer cells. *Gastroenterology* 122:A132, 2002.
 23. Xiaofu Wang, **Wang QD**, Sinha M, Luxon BA, B.M. Evers. Neurotensin-mediated alteration of gene expression in the MIA PaCa-2 human pancreatic cancer cell line. (American Gastroenterological Association annual meeting, 2003). *Gastroenterology*, 124: A-128, 2003.
 24. Murillo CA, **Wang QD**, Farrow B, Marquant W, B.M. Evers. Inhibition of phosphatidylinositol 3-kinase attenuates the severity of dextran sulfate sodium induced intestinal inflammation. (American Gastroenterological Association annual meeting, 2003). *Gastroenterology*, 124: A-801, 2003.
 25. Bose S, **Wang QD**, Evers BM. Correlation of FOXO3a localization and expression with intestinal cell differentiation. **MOLECULAR BIOLOGY OF THE CELL** Volume: 15 Pages: 131A-132A Supplement: **Suppl. S** Meeting Abstract: **728** Published: NOV 2004
 26. Wang XF, **Wang QD**, Chen AL, et al. PKC-dependent interleukin-8 induction by neurotensin in human colon cancer cell lines. *Gastroenterology* 126 (4): A265-A265 Suppl. 2 APR 2004.
 27. Wang XF, **Wang QD**, Evers BM. Down-regulation of neurotensin expression by proteasome inhibition. *Gastroenterology* 126 (4): A558-A558 Suppl. 2 APR 2004
 28. **Wang QD**, Wang XF, Evers BM. Regulation of intestinal cell differentiation by the transcription factor NFAT. *Gastroenterology* 126 (4): A268-A268 Suppl. 2 APR 2004jopu-u
 29. **Wang QD**, Xiaofu Wang, B. Mark Evers. Glycogen synthase kinase 3 is a negative regulator of extracellular signal-regulated kinase in human colon cancer cells. *Proceedings of the AACR*, 45: 3487, 2004.
 30. **Wang QD**, Xiaofu Wang, B. Mark Evers. Neurotensin stimulates matrix

- metalloproteinase-1 expression in human cancer cells. *Gastroenterology* 126 (4): Suppl. 2 APR 2004.
31. Xiao-Fu Wang, **Wang QD**, B. Mark Evers. Neurotensin Stimulates Interleukin-8 Secretion in Hct116 Cells Via Multiple Signaling Pathways and Increases Migration Activity. (American Gastroenterological Association annual meeting, 2005).
 32. **Wang QD**, Yuning Zhou, Xiaofu Wang, B. Mark Evers. Protein Kinase D (PKD) Directly Phosphorylates Gsk-3 in Intestinal Cells. (American Gastroenterological Association annual meeting, 2005).
 33. **Wang QD**, Yuning Zhou, Suimin Qiu, B. Mark Evers. Intestinal cell differentiation involves Pkd activation which regulates the expression of the Cdk inhibitors p21waf1 and p27kip1. (American Gastroenterological Association annual meeting, 2005).
 34. Bose S, **Wang QD**, Evers BM. FOXO3A mediates trail down-regulation in HT29 cells. *Gastroenterology* 130 (4): A672-A672 Suppl. 2 APR 2006.
 35. **Wang QD**, Zhou YN, Qiu SM, Evers BM. Induction of trail expression by the PKC theta/PKD/NFAT pathway in human intestinal cells. *Gastroenterology* 130 (4): A685-A685 Suppl. 2 APR 2006.
 36. **Wang QD**, Zhou YN, Jackson LN, et al. Role of the nfat transcription factor in intestinal cell differentiation. *Gastroenterology* 132 (4): A691-A691 Suppl. 2 APR 2007.
 37. Zhou YN, **Wang QD**, Evers BM. Activation of PKA inhibits intestinal cell differentiation through reduction of Pten and p27(Kip1) expression in Ht29 cells. *Gastroenterology* 132 (4): A693-A693 Suppl. 2 APR 2007.
 38. **Wang QD**, Zhou YN, B. Mark Evers. Neurotensin-stimulated COX-2/PGE2 production through p38 in human colon cancer cell line HT29. (American Association of Cancer Research annual meeting, 2007).
 39. Zhou YN, **Wang QD**, Evers BM. Activation of NFAT increases PTEN expression in human intestinal cells. *Gastroenterology*, 134 : A706-A706, 2008.
 40. **Wang QD**, Zhou YN, Qiu SM, Evers BM. Selective Regulation of Intestinal Cell Differentiation by the mTOR Complex 2 Protein RICTOR. *Digestive Disease Week*. 2009
 41. **Wang QD**, Zhou YN, Chi-Wing Chow, Evers BM. Sp1 Mediated NFATc1 Regulation of TRAIL Expression in Human Intestinal Cells. *Digestive Disease Week*. 2009