#### **CURRICULUM VITAE**

#### Careen K. Tang

#### Work Address:

Research Bldg. E512 Department of Oncology Georgetown University Medical Center Lombardi Comprehensive Cancer Center 3970 Reservoir Rd. Washington D.C. 20007 (202) 687-0361 or 687-0342 e-mail: tangc@georgetown.edu

#### Citizenship: U.S. Citizen

## **EDUCATION:**

- 9/84 5/89 Ph. D. In Chemistry/Molecular Biology The Johns Hopkins University, Baltimore, Maryland. Research Advisor: Dr. David E. Draper
- 8/80 5/83 B.S. in Chemistry, University of Maryland, College Park, Maryland.

## **PROFESSIONAL EXPERIENCE:**

5/02 –present	Associate Professor Department of Oncology/Biochemistry. Georgetown University Lombardi Cancer Center, Washington D.C
2006-present	Course Director for Department of Biochemistry & Cellular Biology MS and Ph.D. programs.
2005-present	Tumor Biology Oversight Committee Member/Admission, Academic Review Tumor Biology Ph.D. and Master Programs.
9/95 – 4/02	Assistant Professor Department of Oncology/Biochemistry. Georgetown University Lombardi Cancer Center, Washington D.C.
11/92 - 9/95	<b>Research Associate,</b> Department of Biochemistry. Georgetown University Lombardi Cancer Center, Washington D.C.
6/89 -10/92	IRTA fellow NIH/NICHD/CBMB, Bethesda, Maryland. (Dr. Richard Klausner).

#### **HONORS:**

2006	The significance of our research was high lighted in the annual report "Transformation" by Cancer Research and Prevention foundation		
2003	Article published in Mol Cancer Res. (2003) was selected for the <b>cover figure</b> .		
2002	Presentation in Era of Hope was selected for media interview and reported on local		
	news paper.		
2002	Article published in International Journal of Cancer (2002) was selected for the		
	cover figure.		
2001	Travel Award for 2001 AACR high rated abstract.		
2000	Article published in Cancer research, (2000) 60:3081-3087 referred to as Top News		
	in Cancer Weekly August 1, 2000.		
1999	Article published in Cancer Research, (1999) 59: 5315-5322. referred to as Top		
	News in Cancer Weekly, 1999.		
1995	Outstanding Poster for 1995 AACR annual meeting.		
1994	Travel Award by Bristol-Myers Oncology Division for AACR Presenter of		
	Outstanding Abstract.		
1993	First Place for postdoctoral division of the eighth annual research day competition,		
	Georgetown University Medical Center.		
1989-1992	IRTA Fellowship, NIH/NICHD/CBMB.		
1989	Article published in <i>Cell</i> , (1989) Vol. 57, 531-536, was selected as <b>one of 1989 best</b>		
	article in <i>Cell</i> .		
1988	Ernest M. Marks Award for excellence in teaching and research, The Johns		
	Hopkins University.		
1988	The presented work in Cold Spring Harbor meeting was selected for the cover figure		
	on the abstract book.		
1983	Academic Honors List, University of Maryland, College Park, MD.		

## **PATENTS:**

U.S. Patent	PCT/US98/23279 (Atty Docket No. 009/094/SAP).
U.S. Patent	PCT/US03/05404

## **PUBLIC SOCIETIES:**

American Association for Cancer Research Georgetown University- Society for Medical Women Faculty (SMWF)

## **PUBLIC SERVICE:**

## Study Section/Grant & Manuscript Reviews:

- 2010 present Ad Hoc Member, NIH/NCI ZRG1 OTC-L Cancer Drug Development and Therapeutics (CDDT) Study Section
- 2010 present Ad Hoc Member, NIH/NCI Drug Discover and Molecular Pharmacology (DMP) Study Section
- 2010 Member, USAMRMC Grant Review for Breast Cancer Research Program, "Era of Hope Scholar Award" Study Section
- 2010 Member, USAMRMC Grant Review for Breast Cancer Research Program,

2009	"Detection, Diagnosis, and Prognosis" Study Section. Member, NIH/NCI Oncology-2 Translational Clinical IRG [ZRG1 OTC-K (58)]
2009	Member, The Susan G. Komen Breast Cancer Foundation Targeted Therapeutics Study Section TT5
2007 - 2009	Member of Review Panel for National Institutes of Health/NCI "Discovery and Development P01 Special Emphasis Panel" ZCA1 GRB-P.
2007 - 2009	Member, USAMRMC Grant Review for Breast Cancer Research Program, Study Section Clinical & Experimental therapeutics #3 Study Section (CET-3)
2007	Member, USAMRMC Grant Review for Breast Cancer Research Program, Study Section- Clinical & Experimental Therapeutics (CET-3)
2003 - 2007	Full Member, National Institutes of Health/NCI, "Tumor Progression and Metastasis" (TPM) Study Section.
2006	Member, USAMRMC Grant Review for Breast Cancer Research Program, Study Section-Molecular Genetics (MGN-2)
2005	Member of Review Panel for National Institutes of Health/NCI Special Emphasis Panel-ZRG1 (ZCA1 GRB-1 (J1)) NCI SPORE (Specialized Programs of Research
2005	Excellence) in Lung and Genitourinary Cancers. Review panel member for National Agency for Science, Technology and Research's (A*STAR) Biomedical Research Council (BMRC) in Singapore.
2004, 2005	Member, USAMRMC Grant Review for Breast Cancer Research Program, Study Section-Cell Biology#2 (CBY-2)
2004 2003	Member of National Institutes of Health/NCI, ZRG1 F09 (20) Study Section. Member of National Institutes of Health/NCI, Special Emphasis Panel-ZRG1
2001 - 2003	CPA-03 Study section. Ad Hoc Member, National Institutes of Health/NCI, "Pathology B" (Path B)
	Study Section.
2002 2002	Grant reviewer for Cancer Research, UK. Member of National Institutes of Health/NCI, Radiation Study Section Special
2001, 2002	Emphasis Panel. Member, USAMRMC Grant Review for 2001 Breast Cancer Research Program, Study Section-Cell Biology#22 (CBY-2)
1999 - 2002	Member, The Susan G. Komen Breast Cancer Foundation Grant Review Study Section
1999	Member, USAMRMC for 1999 Breast Cancer Research Program, Study Section- Molecular Genetics (MGN-2)
1997 - 1998	Grant reviewer for The Israel Science Foundation
1997 - presen	t Reviewer for Scientific Journals; J.B.C., Oncogene, Cancer Research, Clinical Cancer Research, Breast Cancer Research and Treatment, etc.

# **INVITED PRESENTATIONS:**

2009	"Tob Supresses Breast Cancer Tumorigenesis" PO meeting, Department of
	Surgery, Georgetown University Medical Center.
2009	"Network of EGFRvIII in Breast Cancer" Faculty presentation, Department of
	Oncology Georgetown University Medical Center.
2008	"Cross-talk Between EGFRvIII and CXCR4 in Breast Cancer" The World Cancer

	Congress meeting
2007	"Tob-1 in Breast Cancer" Hong Kong International Cancer Congress, 4th
	International Think Tank Forum and 4 <sup>th</sup> Annual Meeting of Centre for Cancer
	Research (Nov. 2007 in Hong Kong).
2006	"EGFRvIII in Breast Cancer" Genetic, Cellular and Microenvironmental
	Determinants of Tumor Progression and Metastasis workshop for NIH/NCI TPM
2004	"The Role of EGFRvIII in Breast Cancer" Department of Biochemistry,
	Georgetown University Medical Center.
2003	"The Role of EGFR variant in Prostate Cancer" CapCure retreat. NY, NY.
2002	"Ribozyme Targeting the Novel Fusion Junction of EGFRvIII in Breast Cancer"
	Era of Hope, the Department of Defense Breast Cancer Research Program.
2001	"Clinical Significance of EGFRvIII in Breast Cancer" George Washington
	University, Department of Pharmacology, Washington DC.
2001	"The Role of EGFRvIII in Breast Cancer", 6 <sup>th</sup> World Congress on Advances in
	Oncology and 4 <sup>th</sup> International Symposium on Molecular Medicine (2001),
	Hersonissos, Crete, Greece.
2001	"The Pathological Role of EGFRvIII in Breast Cancer" The Johns Hopkins
	University Oncology Center, Breast Cancer Research Program, Baltimore, MD.
2000	"Ribozyme Targeting the Novel Fusion Junction of EGFRvIII in Breast Cancer"
	2000 National Grant Conference, The Susan G. Komen Breast Cancer Foundation,
	Dallas, TX.
1999	"Elucidate the Role of EGFRvIII in Human Breast Cancer" 1999 National Grant
	Conference, The Susan G. Komen Breast Cancer Foundation
1998	"The Pathogenic Role of ErbB-4 in Human Breast Cancer" Breast Cancer
	Symposium-"Think Tank 8", Tobago, W. India.
1997	"The Biological Effects of Ribozyme-mediated Down-regulation of ErbB-4 in Breast
	Cancer" Era of Hope, the Department of Defense Breast Cancer Research Program.

# **GEORGETOWN UNIVERSITY SERVICE:**

## GU Committees:

2006-present	Tumor Biology Program Oversight Committee Member for Department of
	Oncology.
2005-present	LCCC Tissue Scientific Review Committee.
2004-present	Tumor Biology Master's Oversight committee member for Department of
	Oncology.
2002-present	Institutional Biosafety Committee.
2006-2008	University Conflict of Interest Committee.
2004	Participate and help for planning of RDIG activity for academic year 2004-2005.
2001	Research Infrastructure Enhancements Working Group for Department of
	Oncology.

*Chair or Member of Ph.D. Thesis Committees for the following students:* 2009-present Member of Thesis Committee for Department of Biochemistry graduate student Jessica Keffer

2008-present Chair of Thesis Committee for Department of Oncology Graduate students

	Rebecca Nakles & Sonia Rosenfild
2008-2010	Chair of Thesis Committee for Department of Oncology MD/Ph.D. student David
	Solomon
2006-2009	Chair of Thesis Committee for Department of Oncology Graduate students Anne
	Miermont, Lynn Neilson & Jennifer Webster
2005-2009	Member of Thesis Committee for Department of Microbiology graduate student
	Sarah Linnstaedt
2005-2007	Member of Thesis Committee for Department of Oncology graduate student John
	Tylor Lahusen
2000-2003	Member of Thesis Committee for Department of Oncology graduate student
	Jacqueline Ruttimann.
2000-2001	Member of Thesis Committee for Department of Oncology graduate student
	James Welch.

# **TEACHING ACTIVITIES:**

#### Course director:

2008-present	Course director for BCHB-517 Cancer Biology
2007-present	Course co-director for CBIO-539 Molecular/ Cell Biology
2007-2009	Course co-director for CBIO-562 Molecular/ Cell Biology: In-depth Analysis

#### Lectures:

Lecturer for BCHB-517 Cancer Biology.		
Lecturer for CBIO-539 Molecular & Cell Biology.		
Lecturer for CBIO-562 Molecular/ Cell Biology: In-depth Analysis.		
Lecturer for Cellular and Molecular Aspects of the Transformed Cell,		
Oncology/Tumor Biology, TBIO 508.		
Lecturer for Core Concepts of Biochemistry Molecular Biology, BCHB-513.		
Lecturer for Modern Methods in Molecular Biology, Pharmacology/Biochemistry		
528.		
Lecturer for Modern Methods in Molecular Biology, BCHB 526.		
Lecturer for Interdisciplinary Research Survey Course, MICB-505.		
Lecturer for Principles and Practice of Molecular Therapy, TBIO-554		
Lecturer for Mechanism of Molecular & Cellular Control, BCHB-529		

## Graduate Student Ph.D. Dissertation Mentor:

2006 - 2009	Thesis mentor for	Department of	Oncology TBIO	graduate student	Massod Rahimi
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- 2005 2007 Thesis mentor for Department of Biochemistry graduate student John G. Foulke.
- 1997 1999 Thesis co-mentor for Department of Physiology graduate student Rose (XiaoHong) Yang

## Post-Doctoral Fellows/MD who did research in Dr. Tang's Lab:

2010-present	Polly Lin, Ph.D.
2007-2010	Kai-Ling Huang, Ph.D.
2005-2008	Hua Su, Ph.D. & Shenglin Chen, Ph.D.
2002-2005	Hong Yu, MD.

- 2003-2004 Ming Yan, M.D., Ph.D. and Wei Han, M.D.
- 2001-2003 Yang Zhang, M.D., Tao Zhang, Ph.D.
- 2001-2002 UDC faculty Dr. Norman Kondo for UDC/Georgetown LCC Partner in Cancer Research Training, Education and Outreach Program.
- 2000-2001 Honori Kunisue, M.D., Ge Lou, M.D., Rui Min, M.D.
- 1999-2001 Hong Ge, MD. Ph.D., Xunyi Luo, M.D., Xiaoqi Gong, M.D.,

## Medical School Summer Research Fellows Mentored:

2009	Timothy Chang (Case Western Reserve University School of Medicine)
2007	Timothy Chang (Case Western Reserve University School of Medicine)
1997	Jennifer Payne (Georgetown University School of Medicine)

1995 Caroline Wailbel (Georgetown University School of Medicine)

# Ph.D. Candidates did research rotation in Tang's Lab.

- 2009 Department of Biochemistry graduate student Kevin Chandler
- 2007 Department of Biochemistry graduate student Ricardo Martinez Zamudio
- 2005 Department of Biochemistry graduate student John Foulke.
- 2005 Department of Oncology TBIO graduate students Massod Rahimi & Sonia Menin Rosenfield
- 2004 Department of Biochemistry graduate students Amani Batarseh.

## M.S. Students Thesis Research Mentor:

2010	Department of Biochemistry graduate student Yu-Ju Lee
2010	Department of Biochemistry graduate student Haw-Ning Yang
2009	Department of Biochemistry graduate student Elias J. Sobrino Najul
2009	Department of Oncology Master Program student Ifeyinwa Obiorah
2006-2007	Department of Biochemistry graduate student Ryan Tochihara.
2007	Department of Biochemistry graduate student Tariq Arif
2005-2006	Department of Oncology Master Program student Kathleen Batley.
2004-2005	Department of Biochemistry graduate student Lauren E. Thompson.
2004-2005	Department of Oncology Master Program student Dina Shammaa.
2001-2002	Department of Biochemistry Master Program student Aybike Birerdinc.

## International Student Thesis Research Mentor:

2010	Chinese University of Hong Kong "DRAM Program" student Sisi Liu
2008	Chinese University of Hong Kong "DRAM Program" student Linda Shen
2007	Chinese University of Hong Kong "DRAM Program" student Crystal Ng
2006	Chinese University of Hong Kong "DRAM Program" student Gary Ching Ka Wai

# Minority Students Research Program Mentored:

- 2001-2002 Research Course Mentor for Marc Program student Francisco J. Guenaga.
- 2001 Cure program student Claudelia Williams.

# Pre-medical and Pre-graduate Students Mentored:

1996-1998 Kevin Brennan, Melissa Milan, Mathew Fred, Jonna Derbenwick, Alice Xiao-Zheng Wu and Achena Oates.

#### SCHOLARSHIP AND RESEARCH:

### A. PUBLICATIONS Original Articles: (\*Corresponding author)

- Massod Rahimi, Kai-Ling Huang and \*Careen K. Tang. "Inhibition of Growth and Invasion of Human Cancer Cells Expressing EGFR Mutants by 3,3'-Diindolylmethane (DIM)" (2010) Cancer Letters, 295(1):59-68.
- Takayuki Otani, Toshihiro Hashizume, Tadahiro Nagaoka, Tomoko Fukuda, **Careen K. Tang**, David S. Salomon and Masaharu Seno "IgG hinge-tag useful for design of biologically active soluble ErbBs (2010) Biotechnology Letters. 32:361-366.
- Zhang Yang, Hua Su, Massod Rahimi, Ryan Tochihara, & \***Careen K. Tang**, "EGFRvIII-Induced Estrogen-Independence, Tamoxifen-Resistance Phenotype correlates with PgR expression and Modulation of Apoptotic Molecules in Breast Cancer" (2009) *International Journal of Cancer* Apr 27;125(9):2021-2028.
- Sean O'Malley, Hua Su, Tao Zhang, Hong Ge, Crystal Mei Ng, Hong Yu and \*Careen K. Tang "TOB Suppresses Breast Cancer Tumorigenesis" (2009) *International Journal of Cancer*, Oct 15;125(8):1805-13.
- Rahimi, M., George, J. and \***Tang, CK.** "EGFR variant-mediated invasion by enhancing CXCR4 expression through transcriptional and post-translational mechanisms". (2009) *Int. J of Cancer,* Oct 14. 126(8):1850-60.
- Hong Yu, Xiaoqi Gong, Xunyi Luo, Zhang Yang, Hong Ge, Wei Han, Rebecca Slack, Baljit Singh and \***Careen K. Tang** "Co-expression of EGFRvIII with ErbB-2 enhances tumorigenesis: EGFRvIII mediated constitutively activated and sustained signaling pathways, whereas EGFinduced a transient effect on EGFR-mediated signaling pathways. EGFRvIII mediated constitutively activated and sustained signaling pathways" (2008) Cancer Biology & Therapy, Nov 24;7(11).
- Hua Su & **\*Tang C.K.** "Genetic alterations in esophageal carcinoma" (2007) Recent Progress in Cancer Research by Transworld Research Network, p37-58.
- Massod & **\*Tang C.K.** "The chemokine receptor, CXCR4, and human cancer" (2007) Recent Progress in Cancer Research by Transworld Research Network, p131-156.
- Wei Han, Tao Zhang, Hong Yu, John G. Foulke and \*Careen K. Tang. Hypophosphorylation of Residue Y1045 Leads to Defective Down-regulation of EGFRvIII," (2006) Cancer Biology & Therapy, 26;5(10), 1361-8.
- Yves A. De Clerck, Bernard E. Weissman, Dihua Yu, Ramon Parsons, Menashe Bar-Eli, Pradip Roy-Burman, Victoria L. Seewaldt, Anne E. Cress, Lucia R. Languino, Surinder K. Batra, Careen K. Tang, Shije Sheng, Wen-Tien Chen, Srikumar Chellappan, Shi-Yuan Cheng, Stephan Ladisch, James B. McCarthy, Lisa M. Coussens and Michael B. Cohen. (2006) "Tumor

Progression and Metastasis from Genetic to Microenvironmental Determinants". Cancer Biology & Therapy, 5(12), 1279-1728.

- Traxler P., Allegrini PR., Brandt R., Brueggen J., Cozens R., Lane HA., McWheehy P., Mestan J., Meyer T., Tang C., Wartmann M., Wood J., and Caravatti G. "AEE788 – a dual family EGFR/ErbB2 and VEGFR tyrosine kinase inhibitor with anti-tumor and anti-angiogenic activity" (2005) *Cancer Res.* 2004 Jul 15;64(14):4931-41.
- \***Tang C.K.** "Role of Epidermal Growth Factor Receptor in Breast Carcinoma" (2004) Handbook of Immunohistochemistry and In Situ Hybridization of Human Carcinomas, (ed. M.A.Hayat). Vol.1, p415-424.
- Luo X.Y, Gong X.Q. and **\*Tang C.K.** "Suppression of EGFRvIII-mediated proliferation and tumorigenesis of breast cancer cells by ribozyme". (2003) *International Journal of Cancer*, May 10;104(6):716-21.
- Tsai MS, Shamon-Taylor LA, Mehmi I, **\*Tang CK**, Lupu R. Blockage of heregulin expression inhibits tumorigenicity and metastasis of breast cancer. (2003) *Oncogene* Feb 6;22(5):761-8.
- Atlas E, Cardillo M, Mehmi I, Zahedkargaran H, \***Tang C**, Lupu R. "Heregulin is sufficient for the promotion of tumorigenicity and metastasis of breast cancer cells in vivo". (2003) *Mol Cancer Res* Jan;1(3):165-75.
- Hong Ge, Xiaoqi Gong and \*Careen K. Tang. "High Incidence of Co-expression of EGFRwt and EGFRvIII Transcripts in Human Invasive Breast Cancer Tissue By Laser Capture Microdissection/RT-PCR" (2002) International Journal of Cancer, 98:357-361.
- Ge Hong & **\*Tang C.K.** "Detection of EGFRwt and EGFRvIII in Human Breast Cancer" (2002) *Recent Research Developments in Cancer* by *Transworld Research Network*, Vol. 4: 419-427.
- Yang X.H., Wei L., **Tang C.K.**, Mueller S. & Lippman M.E. "Overexpression of KAI1 Suppresses In Vitro Invasiveness and In vivo Metastasis in Breast Cancer Cells" (2001) *Cancer Research*, 61:5284-8.
- \*Tang C.K. "The New Development of Class I Tyrosine Kinase Superfamily in Human Cancer" (2001) *Recent Research Developments in Cancer* by *Transworld Research Network*, Vol. 3, 267-273.
- Kunisue H., Kurebayashi J., Otsuki T., Tang C.K., Kurosumi M. Yamamoto S., Tanaka K., Shimizu N. and Sonoo H., Anti-"HER2 Antibody Enhances the Growth Inhibitory Effect of Antioestrogen on Breast Cancer Cells Expressing both Estrogen Receptors and HER2" (2000) Br J Cancer, 82(1):46-51.
- Yang X.H., Wei L., Tang C.K., Slack R., Montgomery E. & Lippman M.E. "KAI1 Protein Is Down-Regulated During The Progression of Human Breast Cancer" (2000) *Clinical Cancer Research*, 6(9): 3424-9.

- \*Tang C.K., Xiaoqi Gong, David K. Moscatello, Albert J. Wong & Lippman M.E., "EGFRvIII Enhances Tumorigenicity in Human Breast Cancer". (2000) *Cancer Research*, 60:3081-3087.
- Hijazi MM, Thompson EW, Tang C, Coopman P, Torri JA, Yang D, Mueller SC, Lupu R. (2000) Heregulin Regulates the Actin Cytoskeleton and Promotes Invasive Properties in Breast Cancer Cell Lines. *Int J Oncol* 17(4): 629-41.
- \***Tang C.K.,** & Lippman M.E., "EGF Superfamily and Breast Cancer" (2000) *Breast Disease: A year Book Quarterly.*
- \*Tang C.K. "EGFRvIII and Human Cancer" (2000) Cancer Research Alert, Oct: 52-54.
- Kurebayashi J., Otsuki T., Tang C.K., Kurosumi M. Yamamoto S., Tanaka K., Mochizuki M., Nakamura H., & Sonoo H., "Isolation and Characterization of a New Human Breast Cancer Cell Line, KPL-4, Expressing the ErbB Family Receptors and Interleukin-6." (1999) *British J. Cancer Research*, 79: 707-717.
- Biano C., Kannan S., Santis MD., Seno M., Tang, C.K., Martinez-Lacaci I., Kim N., Wallace-Jones B., Lippman ME., Ebert A., Wechselberger C. and Salomon DS., "Cripto-1 Indirectly Stimulates the Tyrosine Phosphorylation of ErbB-4 Through a Novel Receptor". (1999) J.B.C. 274: 8624-8629.
- **\*Tang C.K.,** Wu X-Z. A., Milan M., Gong X.Q., Montgomery E. and Lippman M.E., "Ribozyme Mediated Down-regulation of ErbB-4 in Estrogen Receptor Positive Breast Cancer Cells Inhibits Proliferation both *in vitro* and *in vivo*." (1999) *Cancer Research*, 59: 5315-5322.
- Lyndsay N. Harris, Li Yang, **Careen Tang**, Dajun Yang, and Ruth Lupu. Induction of Sensitivity to Doxorubicin and Etoposide by Transfection of MCF-7 Breast Cancer Cells with Heregulin β-2. (1998) *Clinical Cancer Research* 4: 1005-1012.
- \*Tang C.K., Goldstein D.J., Payne J., Czubayko F., Alimandi M., Wang L-M., Pierce J.H., & Lippman M.E., "ErbB-4 Ribozymes Abolish Neuregulin Induced Mitogenesis". (1998) *Cancer Research*, 58: 3415-3422.
- Alimandi M., Wang L-M., Bottaro D., Lee C-C., Kuo A., Frankel M., Fedi P., Tang C.K., Lippman M.E., & Pierce J.H., "Epidermal Growth Factor and Betacellulin Mediate Signal Transduction Through Coexpressed ErbB-2 and ErbB-3 Receptors". (1997), *EMBO*, 16: 5608-5617.
- **Tang C.K.** and Lippman M.E., "EGF Family Receptors and Their Ligands in Human Cancer". (1997) Hormones and Signaling, Vol.1, (ed. B. W. O'Malley), pp.113-165.
- Lupu R., Cardillo M., Hijazi M., Harris L., Cho C., Pereze C., Rosenberg K., Yang DJ, & Tang C.K., "The Significance of *Heregulin* in Breast Cancer Progression and Drug Resistance". (1996) *Breast Cancer Research and Treatment* 38: 57-66.

- **Tang C.K.**, Perez C., Grunt T., Cho C., Waibel C. & Lupu R., "Involvement of *Heregulin*β2 in the Acquisition of the Hormone-Independent Phenotype of Breast Cancer Cells". (1996) *Cancer Research*, 56: 3350-3358.
- Rouault T., Haile D., Downey W., Philpott C., Tang C. K., Chin J., Paul I., Orloff D., Harford J., & Klausner R., "An Iron Sulfur Cluster Plays a Novel Regulatory Role In The Iron-Responsive Element Binding Protein" (1992) *Biometal* vol. 5, 131-140.
- Haile D., Rouault T., Tang C. K., Harford J., & Klausner R., "The Role of The Iron-sulfur Cluster In The Regulation of Iron Responsive Element Binding Protein" (1992) Proc. Natl. Acad. Sci. USA. Vol. 89, 7536-7540.
- Tang C.K., Chin J., Harford J., Klausner R., & Rouault T., "Iron Regulates The Activity of The Iron-Responsive Element Binding Protein Without Changing Its Rate of Synthesis or Degradation". (1992) J. Biol. Chem. Vol. 267 (34) 24466-24470.
- Kaptain S., Downey W., Tang C. K., Philpott C., Haile D., Harford J., Rouault T., & Klausner R., "A Regulated RNA Binding Protein Also Possesses Aconitase Activity" (1991) Proc. Natl. Acad. Sci. USA. Vol. 88, 10109-10113.
- Rouault T., Tang C. K., Kaptain S., Burgess W., Haile D., Samaniego F., McBride W., Harford J., & Klausner R., "Cloning of The cDNA Encoding An RNA Regulatory Protein --- The Human Iron-Responsive Element-Binding Protein" (1990) Proc. Natl. Acad. Sci. USA. Vol. 87, 7958-7962.
- **Tang C. K.**, & Draper D., "Evidence For Allosteric Coupling Between The Ribosome and Repressor Binding Sites of A Translationally Regulated mRNA" (1990) *Biochemistry*. Vol. 29, 4434-4439.
- **Tang C. K.**, & Draper D., (1989) "Unusual mRNA Pseudoknot Structure Is Recognized By A Protein Translational Repressor" *Cell*. Vol. 57, 531-536.
- Draper D., **Tang C. K.**, & Vartikar J., (1988) "Ribosomal Protein S4 Recognizes Complex Messenger and Ribosomal RNA Structures." *Molecular Biology of RNA* vol. 94 (ed. T. Cech) Alan R. Liss, Inc., New Your, N.Y.
- Morita Y., Psiaganian R., **Tang C.K.** and Chiang P.K. (1982) "Inhibition of Histamine Release and Phosphotidylcholine Metabolism By 5'-deoxy-5'-isobutylthio-3-deazaadenosine." *Biochemistry Pharmacologh.* 31, 2111-2113.

#### **B)** Research Grants:

#### I) Currently Active Support:

1) Principal Investigator: Careen K. Tang, Ph.D. Agency: NIH/NCI; Grant #: CA106429-01 Type: RO1; Period: 07/01/05-6/30/11 Molecular Mechanisms of Blockage of ErbB receptors OVERLAP: None.

- Principal Investigator: Careen K. Tang, Ph.D. Agency: Charles and Ella O. Latham; Period: 07/01/10-6/30/11 OVERLAP: None.
- 3) Agency: Boehringer Ingelheim Pharmaceuticals, Inc. Principal Investigator: Careen K. Tang Dates of Project Period: 01/01/10- 12/31/11 OVERLAP: None.

#### **II**) Past Support:

- 1) Principal Investigator: Careen K. Tang, Ph.D. Agency: NIH/NCI; Grant #: CA88871 Type: R01. Period: Sept. 1, 2001 to Aug. 30, 2006 OVERLAP: None.
- Principal Investigator: Careen K. Tang, Ph.D. Agency: Cancer Research & Prevention The Role of coexpression of ErbB-2 with CXCR4 in initiation of breast cancer Dates of Project Period: 07/15/06 - 07/14/08 OVERLAP: None.
- Principal Investigator: Careen K. Tang, Ph.D. Agency: DoD Prostate Cancer Research Program; Grant #: DAMD17-02-1-0061 Type: New Investigator Grant, Period: Feb. 1, 2002 to Feb. 28, 2005
- 4) Principal Investigator: Careen K. Tang, Ph.D. Agency: Susan Komen Breast Cancer Foundation; Grant #: PDF0100380 Period: Dec. 1, 2001 to Nov. 30, 2004
- 5) Principal Investigator: Careen K. Tang, Ph.D. Agency: DoD Breast Cancer Research Program; Grant #: DAMD17-99-1-9206 Type: Idea Grant, Period: July 1, 1999 to June, 30, 2003
- 6) Principal Investigator: Careen K. Tang, Ph.D. Agency: Novartics Type: Research Grant Period: July 1, 2002 to Sept. 30, 2003
- 7) Principal Investigator: Peter Ramwell, Co-PI: Careen K. Tang, Ph.D. Agency: NIH Period: 2001 to 2002

- Principal Investigator: Careen K. Tang, Ph.D. Agency: Susan Komen Breast Cancer Foundation; Grant #: 9826 Type: Research Grant; Period: Dec. 1, 1998 to Nov. 30, 2001
- 9) Principal Investigator: Norman Wolmark, MD (NSABP), Subcontract to Careen K. Tang Agency: NIH; Grant #: U10CA12027-30, CFDA #93.395
- 10) Principal Investigator: Careen K. Tang, Ph.D.
  Agency: DoD Breast Cancer Research Program; Grant #: DAMD17-96-1-6031
  Type: Career Development Grant (CDA); Period: July 1, 1996 to June, 30, 2000
- 11) Principal Investigator: Careen K. Tang, Ph.D. Agency: Charles and Ella O. Latham Charitable; Jan. 1, 1998 to Dec. 31, 1998