

October, 2013

CURRICULUM VITAE

Name: Christina T. Teng

Citizenship: United States

Present Address:

Laboratory

Molecular Screening Branch  
National Toxicology Program  
National Institute of Environmental Health Sciences  
P. O. Box 12233 (MD K2-02)  
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Education:

1963	B.S., Tunghai University, Taiwan, China
1969	Ph.D., University of Texas, Austin, Texas

Brief Chronology of Employment:

1963 - 1964	Teaching Assistant, Department of Zoology, Washington State University, Pullman, Washington
1965 - 1969	Research Scientist Assistant, Department of Botany, University of Texas, Austin, Texas
1969 - 1971	Guest Investigator, (Professor V. G. Allfrey), The Rockefeller University, New York, New York
1971 - 1973	Senior Research Associate, Medical Department, Brookhaven National Laboratory, Upton, New York
1973 - 1981	Assistant Professor, Department of Cell Biology, Baylor College of Medicine, Houston, Texas
1981 - 1983	Visiting Assistant Professor, Department of Anatomy, Pharmacology and Radiology, School of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina
1981 - 1983	Guest Investigator (Dr. Stephen E. Harris), Laboratory of Reproductive and Developmental Toxicology, National Institute of Environmental Health Sciences, Research

1983 - 1987	Triangle Park, North Carolina Expert, Laboratory of Reproductive and Developmental Toxicology, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
1987 - 1994	Senior Staff Fellow, Laboratory of Reproductive and Developmental Toxicology, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
1993 - 2008	Head, Gene Regulation Group, Laboratory of Reproductive and Developmental Toxicology, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
1994 - 2008	Supervisory Research Biologist, Laboratory of Reproductive and Developmental Toxicology, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
2008 - Date	Molecular Biologist/Toxicologist, Program Senior Scientist, Biomolecular Screening Branch, National Toxicology Program, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina

Academic Activities:

1983 - 1997	Adjunct Associate Professor, Department of Anatomy, Pharmacology and Radiology, School of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina
1985 - 2003	Full Member, Graduate Program, North Carolina State University, Raleigh, North Carolina
1995 - 2010	Adjunct Professor, School of Dentistry, North Carolina University, Chapel Hill, North Carolina
1997 - 2003	Adjunct Professor, Department of Molecular and Biological Medicine, North Carolina State University, Raleigh, North Carolina

Honors and Other Scientific Recognition:

Medical Research Scientist Certificate, Brookhaven National Laboratory Associated Universities Inc. 1971-1973  
 Certificate for five-year service to the medical community of Baylor Collage of Medicine 1979  
 Who's Who, American Women since 1980  
 Who's Who, American Men and Women of Science since 1973  
 Supervisor, Two First Place Winners of Poster Competition at the

Society of Chinese Bioscientists in America, The North Carolina Chapter  
Strathmore's Who's Who since 1995  
US Department of Health and Human Services, Recognition of sustained high quality work performance, 1995  
Staff Recognition Award, NIEHS 1997 twice, 1998-2001  
Federal Laboratory consortium 1998 merit award  
FLC award for Excellence in Technology Transfer 1998  
NIEHS Director's certificate 1999  
EEO Counselor Appreciation 1997, 1998, 1999, 2000  
NIH Merit award, 2001  
2000 Outstanding Scientists of the 21<sup>st</sup> century, IBC, Cambridge, England, 2003  
Feature in NIH publication of "National Institutes of Health: Women in Science" .  
Featured in National Institutes of Health: Women in Science 2007-2008  
NIEHS 30 years service award, 2013

Societies:

Member of:

Sigma Xi

Iota Pi

The American Society for Cell Biology

American Association for the Advancement of Science

Society of Chinese Bioscientists of America

Endocrinology

Chair of:

Society of Chinese Bioscientists of America, the Research Triangle Park Chapter  
1996-98

Patent awarded on September 7, 1999:

- Methods of screening for risk of cancer using a human lactoferrin DNA probe or primer (Patent No. 08/655,640)

Research Interests:

1. Estrogen action: estrogen receptor-dependent and -independent mechanisms.
2. Estrogen-related receptor alpha and gamma (ERR $\alpha$ ,  $\gamma$ ): Biological role(s) and regulation of expression.
3. Lactoferrin gene structure, methylation and SNPs in normal and cancer cells.
4. Tox21: Identifying endocrine disruptor chemicals in the environment with high throughput screening (HTS) approach,

Current and Previous Research Funding:

1976 - 1979	Principal Investigator of Research Grant Award, National Institute of Child Health and Human Development, National Institutes of Health
1976 - 1981	Co-Investigator of Research Grant Award, National Institute of Child Health and Human Development, National Institutes of Health
1977 - 1981	Principal Investigator of Research Grant Award, National Institute on Aging, National Institutes of Health
1983 - 2008	Intramural Research Program
1989 - 1992	Research Funding from NIH AIDS Program
2001-2001	Office of Rare Diseases (ORD) for 5 <sup>th</sup> International Conference on Lactoferrin: Structure and Function
2005-2005	Office of Rare Diseases (ORD) for 7 <sup>th</sup> International Conference on Lactoferrin: Structure and Function

Teaching Experience:

1963 - 1964	Zoology I and II - Course for freshman students - Zoology Department, Washington State University, Pullman, Washington
1963 - 1964	Animal Physiology - Course for sophomore students - Zoology Department, Washington State University, Pullman, Washington
1976 - 1981	Cell Biology and Histology - Course for 1st year medical students - Baylor College of Medicine, Houston, Texas
1976 - 1981	Introduction to Cell Biology and Histology – Course for 1st year graduate students - Baylor College of Medicine, Houston, Texas
1981 - 1982	Veterinary Histology - Course for 1st year veterinary medicine students - School of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina
1996 - 2001	Advanced Developmental Biology - VMS 573, participate in lecture on urogenital organ differentiation and role of steroid hormone (two hour lecture) - School of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina

Invited Speaker (1981-date):

- 1981 Department of Cell Biology, Institute of Basic Medical Sciences, Peking Union Medical College, Chinese Academic of medical Sciences, Beijing, China. A short course with series of lectures and laboratory on: Molecular methods to study endocrinology.
- 1986 Gordon Conference on Mammalian Genital Tract, Plymouth, New Hampshire
- 1987 Department of Cellular and Structural Biology, University of Texas, San Antonio, Texas
- 1988 Department of Biochemistry, North Carolina State University, Raleigh, North Carolina
- 1989 International Symposium on Contraception Research, Beijing, China
- 1989 Women's Research Institute, Kansas Medical School, Wichita, Kansas
- 1990 Gordon Research Conference on Reproductive Tract Biology, Brewster Academy, Wolfeboro, New Hampshire
- 1991 Second Triangle Conference on Reproductive Biology, Research Triangle Park, North Carolina
- 1991 Pre-SSR Annual Meeting, Molecular and Cellular Aspects of the Periimplantation Uterus, Vancouver, Canada
- 1991 Department of Toxicology, North Carolina State University, Raleigh, North Carolina
- 1992 SCBA Fourth International Symposium, Speaker and Chairperson, Hormone Action and Gene Regulation Session, Singapore
- 1992 Second International Conference of China on Anatomical Sciences, Plenary Speaker, Beijing, China
- 1992 Second International Conference of China on Anatomical Sciences, Speaker and Chairperson, Embryology and Reproductive Biology, Beijing, China
- 1992 First International Symposium on Lactoferrin Structure and Function, Honolulu, Hawaii
- 1992 Department of Cell Biology, Hong Kong University, Hong Kong,
- 1992 Department of Cell and Molecular Biology, Tunghai University, Taiwan, China
- 1992 Department of Molecular Biology, Yangming Medical School, Taichung, China
- 1992 Department of Molecular and Cell Biology, Institute of Molecular Biology, Academia Sinica, Taipei; National Taiwan University, Taipei, China
- 1992 Department of Cell Biology, Zhejiang Academy of Medicine, Hougchou, Zhejiang, China
- 1992 Department of Biochemistry, Shanghai Institute of Planned Parenthood Research, Shanghai, China
- 1992 Cell Biology Department, Institute of Basic Medicinal Sciences, Beijing, China

- 1993 Department of Anatomy and Reproductive Biology, John A. Burns School of Medicine, University of Hawaii at Manoa, Honolulu, Hawaii
- 1993 Seminar at Cellular Molecular Biology Department, Lawrence Berkeley Laboratory, University of California, Berkeley, California
- 1995 Second International Symposium on Lactoferrin Structure and Function, Honolulu, Hawaii
- 1995 Oral Biology Program, University of North Carolina, School of Dentistry, Chapel Hill, North Carolina
- 1995 Scientific Director's Seminar Series, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
- 1996 Triangle Carcinogenesis Club Seminar, CIIT, Research Triangle Park North Carolina
- 1996 University of Science and Technology at Lille, Laboratory of Biological Chemistry, Villeneuve, France
- 1996 University de Lausanne, Institut de Biologie Animale, Lausanne, Switzerland
- 1996 First Triangle Steroid Receptor Symposium, NIEHS, Research Triangle Park, North Carolina
- 1996 Department of APR, School of Veterinary Medicine, North Carolina State University, Raleigh, North Carolina
- 1997 Third International Conference on Lactoferrin, Le Touquet, France
- 1997 Gordon Research Conference on Mammary Gland Biology, Plymouth, New Hampshire
- 1997 Gordon Research Conference on Mammary Gland Biology, Plymouth, New Hampshire - Section Chair "Estrogen in mammary development and cancer"
- 1997 Receptor Mechanisms Discussion Group, NIEHS, Research Triangle Park, North Carolina
- 1997 Department of Medicine, University of Barcelona, Barcelona, Spain
- 1997 XIVth International Symposium on Morphological Sciences, Beijing, China
- 1998 Laboratory of Pulmonary Pathobiology, NIEHS, Research Triangle Park, North Carolina
- 1998 Second Triangle Steroid Receptor Symposium, NIEHS, Research Triangle Park, North Carolina
- 1999 Fourth International Conference on Lactoferrin: Structure, Function and Applications. Sapporo, Japan.
- 1999 Department of Experimental Pathology and Chemotherapy Division, National Cancer Center Research Institute, Tokyo, Japan.
- 1999 Department of Obstetrics and Gynecology, Yokohama city University School of Medicine, Yokohama, Japan.
- 2000 Department of Biochemistry, Backman Research Institute, City of Hope
- 2000 Department of Biochemistry and Molecular Biology, University of Louisville School of Medicine, Louisville, KY.

- 2001 Invited Speaker, Moderator and Concluding Remarks. Fifth International Conference on Lactoferrin: Structure, Function and Applications. Banff, Alberta Canada.
- 2001 Society of Chinese Bioscientists of America (SCBA), North Carolina Chapter Minisymposium, Durham, NC
- 2003 Invited Speaker and Moderator. Sixth International Conference on Lactoferrin: Structure, Function and Applications. Capri, Italy
- 2005 Society of Chinese Bioscientists of America (SCBA), North Carolina Chapter Minisymposium, Chapel Hill, NC
- 2005 Seventh International Conference on Lactoferrin: Structure, Function and Applications. Honolulu, Hawaii
- 2006 Receptor Mechanisms Discussion Group, NIEHS, Research Triangle Park, NC
- 2006 11<sup>th</sup> SCBA International Symposium, San Francisco, CA
- 2006 Drug and Gene-based Therapeutics, Crete, Greece
- 2006 Plenary Speaker, Second Lactoferrin Forum of Japan, Tokyo, Japan
- 2007 8<sup>th</sup> International conference on Lactoferrin, Nice, France
- 2009 9<sup>th</sup> International conference on Lactoferrin, Beijing, China
- 2010 Seminar "Nuclear Receptor: Targets of Endocrine Disruptors" at Graduate Program on Environmental Health, Greensboro University
- 2011 Seminar Speaker at Division of Tumor Cell Biology, Backman Institute at City of Hope, Duarte, CA

Conference Organizer:

- 1992 SCBA Fourth International Symposium, Singapore - "Hormone Action and Gene Regulation Session"
- 1994 Frontiers of Science Mini Symposium, NIEHS, Research Triangle Park, North Carolina - "Growth factors and related signalling pathways" with Nobel Laureate Dr. Stanley Cohen, Keynote Speaker and Distinguished Scientists
- 1995 Celebration of Asians, NIEHS, Research Triangle Park, North Carolina with Invited Speakers, Poster Session, and Ethnic Luncheon
- 1997 SCBA 7<sup>th</sup> Research Triangle Park Symposium
- 1998 SCBA 8<sup>th</sup> Research Triangle Park Symposium
- 1999 Organizing committee member of 5<sup>th</sup> International Conference on Lactoferrin, Banff, Canada
- 2003 Organizing committee member of 6<sup>th</sup> International Conference on Lactoferrin, Capri, Italy
- 2005 Organizing committee member of 7<sup>th</sup> International Conference on Lactoferrin, Honolulu, Hawaii
- 2007 Organizing committee member of 9<sup>th</sup> International Conference on Lactoferrin, Beijing, China

Graduate Student and Postdoctoral Supervision (1985-Date):

#### A. Undergraduate and Graduate Student Research Advisor

Teresa Journey	- University of North Carolina	-1985-1986
Ann Pickett	- Duke University	-1986-1987
Lawrence Chu	- University of North Carolina	-1987 summer
Delores Hovey	- North Carolina State University	-1988-1990
Giles Shih	- Cornell University	-1989 summer
Marie Vasquez	- North Carolina State University	-1989-1992
Charles Martin	- University of North Carolina	-1989 summer
Jonathan McMurry	- University of North Carolina	-1991 summer
Scott Jacobs	- University of Georgia	-1991-1992
Tammy Harris	- University of North Carolina	-1992-1993
Jean Hou	- Chapel Hill High School	-1993 summer
Carlyle Schomberg	- Duke University	-1994 summer
Sarah Chen	- North Carolina School of Science and Mathematics	-1995 summer
Wei Feng	- Duke University	-1996 summer
Susan Ruggero	- Enloe High School	-1996 summer
James Chae	- Northwestern University	-1997 summer
Eric Liu	- University of North Carolina	-1998-2001
Clara Beard	- North Carolina State University	-1999-2002
Ibrahim H. Raphiou	- North Carolina State University	-1999-2002 (Ph.D.)
Lu Wang	-Leesvillee High School	-2000 summer
Veener Rao	-North Carolina School of Science and Mathematics	-2000 summer
Adele Hodges	-North Carolina School of Science and Mathematics	-2001 summer
Adele Hodges	-North Carolina State University	-2001-2003
Kenya Stokes	-North Carolina State University	-2001-2004 (Ph.D.)
Melody Wong	-North Carolina School of Science and Mathematics	-2002 summer
Jennifer Bruggers	-University of North Carolina	-2002 summer
Lauren Pugh	- North Carolina University	-2002 summer
Kirk Barnett	-Biological Sciences teacher Russell Independent High School, Russell, KY	-2003 summer
Jessica Martin	-University of North Carolina	-2003-2005

#### B. Graduate Student Committee Member

Gary Wong	- North Carolina State University, Raleigh, North Carolina 1985-1987 (MS)
Gary Wong	- North Carolina State University, Raleigh, North Carolina 1987-1990 (Ph.D.)
Bain Bronwyn	- Massey University, Palmerston North, New

Zealand 1995, External Examiner for Ph.D.  
 Hong Hong Wei - University of North Carolina, Chapel Hill,  
 North Carolina 1994-1999 (Ph.D.)  
 Joseph Huang - University of North Carolina, Chapel Hill,  
 North Carolina 1997-2000 (Ph.D.)  
 Khoi Chu - McGill University, Montreal, Quebec, Canada  
 1999, External Examiner for Ph.D.  
 Ibrahim H. Raphiou - North Carolina State University, Raleigh, North  
 Carolina 1999-2002 (Ph.D.)  
 Kenya Stokes -North Carolina State University, Raleigh, North Carolina  
 2001-2004 (Ph.D.) Winner of the best dissertation  
 Rebecca Keyser -University of North Carolina, Chapel Hill,  
 North Carolina 2006-2009

### C. Postdoctoral Scientists

1984-1987 Dr. Brian Pentecost (Visiting Associate)  
 University of Calgary, Alberta, Canada  
 Present Address: New York State Department of Health,  
 Albany, New York  
 1985-1986 Dr. Y. H. Chen (Expert)  
 National Taiwan University, Taiwan, China  
 1988-1990 Dr. David Walmer (Special Volunteer)  
 Fellow in Reproductive Endocrinology  
 Department of Obstetrics and Gynecology  
 Duke University Medical Center  
 Durham, North Carolina  
 1988-1992 Dr. Youhua Liu (Visiting Fellow)  
 Institute of Basic Medical Sciences  
 Peking Union Medical College  
 Chinese Academic of medical Sciences  
 Beijing, China  
 1989-1991 Dr. Tim Panella (Special Volunteer)  
 Fellow in Oncology and Hematology  
 Department of Medicine  
 Duke University Medical Center  
 Durham, North Carolina  
 1990-1994 Dr. Neng-Yu Yang (Visiting Associate)  
 Zhejiang Academy of Medical Science  
 Hangzhou, Zhejiang, China  
 1992-1995 Dr. Hiroyuki Shigeta (Visiting Scientist)  
 Yokohama City University School of Medicine  
 Yokohama, Japan  
 1992-1998 Dr. Huiping Shi (Visiting Associate)  
 Beijing Medical University  
 Beijing, China  
 1994 Mr. Yong Chen (Guest Worker)

Zhejiang Academy of Medical Science Hangzhou  
Zhejiang, China

1994-1996 Dr. Kaisong Fu (IRTA)  
University of North Carolina  
Chapel Hill, North Carolina

1995-1997 Dr. Delores Grant (IRTA)  
University of North Carolina  
Chapel Hill, North Carolina

1996-1997 Dr. Weineng Zuo (IRTA)  
North Carolina State University  
Raleigh, North Carolina

1997 Dr. Xavier Vilagrasa (Guest Worker)  
Faculty of Medicine  
University of Barcelona  
Barcelona, Spain

1997-2001 Dr. Zhiping Zhang (Visiting Fellow)  
Institute of Medicinal Biotechnology  
Peking Union Medical College  
Chinese Academy of Medical Sciences  
Beijing, China

1998-1999 Dr. Shiguang Liu (Visiting Fellow)  
Institute of Basic Medical Sciences  
Peking Union Medical College  
Chinese Academy of Medical Sciences  
Beijing, China

1998-2000 Dr. Xin Wang (Visiting Fellow)  
Institute of Basic Medical Sciences  
Academy of Military Medical Sciences  
Beijing, China

2000-2001 Dr. Il Kwon (Visiting Fellow)  
Agricultural Chemistry, Division of Agriculture  
Graduate School  
Kyushu University, Fukuoka, Japan

2001-2004 Dr. Danxin Liu (Visiting Fellow)  
Department of Nutrition  
Institute of Health and Environmental Medicine  
Tianjin, China

2002-2003 Dr. Harmit Ranhotra (Visiting Fellow)  
Biochemistry Department, North Eastern Hill University, Shillong,  
India

2002-2005 Dr. Zhiping Zhang (Research Fellow)  
Gene Regulation Section, LRDT, NIEHS/NIH

2004-2007 Dr. Peng Hu (Visiting Fellow)

2005-2007 Dr. Liangli Wang (Visiting Fellow)

2013 summer Dr. Burton Beams (Special Volunteer)

NIH/NIEHS Committees:

Member, Intramural Women Scientists Steering Committee (1992-1995)  
Member, Minority Recruitment Committee (1994-2002)  
Representative of NIEHS, Asian/Pacific Islander American Advisory Committee (1994-1997)  
Member, Search Committee for Tenure Track Scientists in the Laboratory of Reproductive and Developmental Toxicology (1995)  
Chair, Search Committee of Tenure Track/Tenured Scientists in the Laboratory of Cellular & Molecular Pharmacology (1995)  
Member, Advisory Committee of EEO to the Director (1994-1996)  
Member, Advisory Committee of Technology Transfer (1994-1998)  
Member, IRA/AIDS Advisory Committee (1995-1999)  
Member, Committee for Seminars and Distinguished Lectures (1995-1998)  
Member, NIEHS Diversity Council (1996-1998)  
Member, Search Committee for Tenure/Tenure Track Scientists in the Laboratory of Reproductive and Developmental Toxicology (1997)  
Member, Workplace Assessment Committee (1997-1999)  
Chair, Search Committee of Tenure Track/Tenured Scientists in the Laboratory of Signal Transduction (1998)  
Chair, Women Scientist Assembly of NIEHS and WSA advisor to Scientific Director (1999-2002)  
Member, COP1 promotion committee (2000-2002)  
Member, Search committee for Tenure/Tenured Scientists in the Laboratory of Molecular Toxicology (2001)  
Member, Search committee for staff scientist in the Laboratory of Pharmacology and Chemistry (2005)

Mentor for Minority and Disadvantaged:

Mentor for handicapped and minority summer student  
Ph.D. thesis advisor for two Africa American students  
Mentor for Africa American IRTA

Professional Service:

Reviewer for the Following Journals:

Biometal (International)  
Cancer Research (International)  
Diabetologia (International)  
Endocrinology (USA)  
Endocrine Journal (International)  
Endocrine Reviews (International)  
Experimental Hematology (International)  
Gene (International)

Genomics (International)  
NIEHS Environmental Health Perspective (USA)  
Journal of Biochimica et Biophysica Acta (BBA-Gene Regulatory Mechanisms,  
International)  
Journal of Biological Chemistry (USA)  
Journal of Cellular and Molecular Medicine (International)  
Molecular Carcinogenesis (International)  
Molecular Cellular Biology (USA)  
Molecular Cellular and Endocrinology (European)  
Molecular Endocrinology (USA)  
Steroid (USA)  
FASEBJ (USA)

Ad hoc Research Grant reviewer:

Philips Morris External Research Program  
Research Grant Council (RGC) of Hong Kong  
Association for International Cancer Research

Publications:

19 Book Chapters  
92 Refereed Articles  
1 submitted  
100 Abstracts

Biotechnology Transfer Activities:

- Cooperative Research and Development Agreement (CRADA) 1994-1995
- Production of Human Lactoferrin Containing Milk in Transgenic Animals (GalaGen) 1994-1995

Local Community Service:

1986-1987	Officer of Triangle American Chinese Association
1989-1992	Lectures on Health and Hormones at Non-Profit Organizations (Women's Club, Book Club, Triangle Chinese Association)
1994	Lecture at 2nd Annual Environmental Careers Symposium
1995	Lecture at Rx for Science Literacy: The What, Where How and Why of Biomedical Research
1996-98	Chair, Research Triangle Park Chapter, The Society of Chinese Bio-scientists in America (SCBA)
1999	Lecture in Women, Leadership and Stress, NIEHS

## BIBLIOGRAPHY

### Original Articles

1. Bloch, D.P., and Teng, C.T.: The synthesis of deoxyribonucleic acid and nuclear histone of the X chromosome of the Rehnia spinosus spermocyte. *J. Cell Sci.* 5: 321-322, 1969.
2. Teng, C.T., Bloch, D.P., and Roychoudhury, R.: DNA synthesis in nuclei isolated from Ehrlich Ascites tumor cells. *Biochim. Biophys. Acta* 224: 232-245, 1970.
3. Teng, C.T., and Bloch, D.P.: Rate of DNA synthesis in Ehrlich Ascites tumor cells. *Biochim. Biophys. Acta* 224: 246-248, 1970.
4. Teng, C.T., Teng, C.S., and Allfrey, V.G.: Species-specific interactions between nuclear phosphoprotein and DNA. *Biochem. Biophys. Res. Comm.* 41: 690-696, 1970.
5. Teng, C.S., Teng, C.T., and Allfrey, V.G.: Studies of nuclear acidic proteins: Evidence for their phosphorylation, tissue specificity and selective binding to the DNA and stimulatory effects of transcription. *J. Biol. Chem.* 246: 3597-3609, 1971.
6. Teng, C.T., Chan, M.D., and Hamilton, L.D.: Poly(inosinic acid), Poly(cytidylic acid) inhibition of DNA synthesis in synchronized HeLa cells. *Proc. Natl. Acad. Sci. USA* 70: 3904-3908, 1973.
7. Teng, C.S. and Teng, C.T.: Studies on sex organ development. I. Isolation and characterization of an estrogen receptor from chick Müllerian duct. *Biochem. J.* 150: 183-190, 1975.
8. Teng, C.S., and Teng, C.T.: Studies on sex organ development. II. Ontology of cytoplasmic oestrogen receptor in chick Müllerian duct. *Biochem. J.* 150: 191-194, 1975.
9. Teng, C.S., and Teng, C.T.: Studies on sex organ development. III. Oestrogen receptor translocation in the developing chick Müllerian duct. *Biochem. J.* 154: 1-9, 1976.
10. Teng, C.T., and Teng, C.S.: Studies on sex organ development. The hormonal regulation of steroidogenesis and cyclic 3'5'-adenosine monophosphate in embryonic chick ovary. *Biochem. J.* 162: 123-134, 1977.

11. Teng, C.S., and Teng, C.T.: Studies on sex organ development. Changes in chemical composition and oestradiol-binding capacity in chromatin during the differentiation of chick Müllerian ducts. *Biochem. J.* 172: 361-370, 1978.
12. Teng, C.S., and Teng, C.T.: Studies on sex organ development. Oestrogenic effect on ornithine decarboxylase activity in the differentiating Müllerian ducts and other organs of the chick embryo. *Biochem. J.* 176: 143-149, 1978.
13. Teng, C.S., Gallagher, K., and Teng, C.T.: Isolation of a high molecular-weight high-mobility-group-type non-histone protein from hen oviduct. *Biochem. J.* 176: 1003-1006, 1978.
14. Teng, C.T., and Teng, C.S.: Studies on sex organ development. Separation and culture of steroid-producing cells from growing and regressing embryonic ovaries. *Endocrinology* 104: 1337-1343, 1979.
15. Teng, C.S., Andrews, G.K., and Teng, C.T.: Studies on the high mobility-group non-histone proteins from hen oviduct. *Biochem. J.* 181: 585-591, 1979.
16. Teng, C.T., and Teng, C.S.: Immuno-biochemical studies of non-histone chromosomal protein in embryonic and mature chick oviduct. *Biochem. J.* 185: 169-175, 1979.
17. Teng, C.S., and Teng, C.T.: Studies on sex organ development. Hormonal effect on ornithine decarboxylase activity in the developing chick ovary. *Biochem. J.* 188: 313-319, 1980.
18. Teng, C.S., and Teng, C.T.: Changes in quantities of high-mobility group protein in oviduct cellular fractions after oestrogen stimulation. *Biochem. J.* 198: 85-90, 1981.
19. Teng, C.T., Buchler, B., and Teng, C.S.: Cyclic nucleotide phosphodiesterase activity of the embryonic chick ovary. *Gen. Comp. Endo.* 44: 409-417, 1981.
20. Teng, C.T.: Ontogeny of cyclic nucleotides in embryonic chick gonads. *Biol. Neonate* 41: 123-131, 1981.
21. Teng, C.S., Teng, C.T., and Chan, T.S.: Detection of monoclonal antibody to high mobility group protein<sub>17</sub> from chick oviduct. *Biochem. J.* 203: 471-476, 1982.
22. Teng, C.T., Teng, C.S., Bousfield, G., Shum, W.K., and Ward, D.: Differential response of the growing and regressing ovaries to the gonadotropic hormone. *Gen. Comp. Endo.* 48: 325-332, 1982.

23. Teng, C.T., and Harris, S.E.: The seminal vesicle secretion IV gene: Detection of S1 nuclease sensitive sites in supercoiled plasmid pSVS 3.3. *DNA* 2: 105-111, 1983.
24. Teng, C.S., and Teng, C.T.: Decreased ovalbumin-gene response to oestrogen in the prenatally diethylstilbestrol-exposed chick oviduct. *Biochem. J.* 228: 689-695, 1985.
25. Teng, C.T., Walker, M.P., Bhattacharyya, S.N., Klapper, D.G., DiAugustine, R.P., and McLachlan, J.A.: Purification and properties of an oestrogen-stimulated mouse uterine glycoprotein (approx. 70 kDa). *Biochem. J.* 240: 413-422, 1986.
26. Pentacost, B.T., and Teng, C.T.: Lactotransferrin is the major estrogen inducible protein of mouse uterine secretions. *J. Biol. Chem.* 262: 10134-10139, 1987.
27. Teng, C.T., Pentacost, B.T., Marshall, A., Solomon, A., Bowman, B.H., Lalley, P.A., and Naylor, S.L.: Assignment of the lactotransferrin gene to human chromosome 3 and to mouse chromosome 9. *Somatic Cell Mol. Genetics* 13: 689-693, 1987.
28. Chen, Y.H., Pentacost, B.T., McLachlan, J.A., and Teng, C.T.: The androgen-dependent mouse seminal vesicle secretory protein IV: Characterization and cDNA cloning. *Mol. Endo.* 1: 707-716, 1987.
29. Teng, C.T., DiAugustine, R.P., Pentacost, B.T., and McLachlan, J.A.: Isolation, characterization and molecular cloning of an estrogen responsive gene from mouse uterus. *Environ. Hlth. Perspect.* 75: 137-138, 1987.
30. McCombs, J.L., Teng, C.T., Pentacost, B.T., Magnuson, V.L., Moore, C.M. and McGill, J.R.: Chromosomal localization of human lactotransferrin gene (LTF) by *in situ* hybridization. *Cytogenet. and Cell Genet.* 47: 16-17, 1988.
31. DiAugustine, R.P., Petrusz, P., Bell, G.I., Brown, C.F., Korach, K.S., McLachlan, J.A., and Teng, C.T.: Influence of estrogens on mouse uterine epidermal growth factor precursor protein and mRNA. *Endocrinology* 122: 2355-2363, 1988.
32. Pentacost, B.T., Newbold, R.R., Teng, C.T., and McLachlan, J.A.: Prenatal exposure of male mice to diethylstilbestrol alters the expression of the lactotransferrin gene in seminal vesicles. *Mol. Endo.* 2: 1243-1248, 1988.
33. Teng, C.T., Pentacost, B.T., Chen, Y.H., Newbold, R.R., Eddy, E.M., and McLachlan, J.A.: Lactotransferrin gene expression in the mouse uterus and mammary gland. *Endocrinology* 124: 992-999, 1989.
34. Newbold, R.R., Pentacost, B.T., Yamashita, S., Lum, K., Miller, J.V., Nelson, P., Blair, J., Kong, H., Teng, C.T., and McLachlan, J.A.: Female gene expression in

- the seminal vesicle of mice following prenatal exposure to diethylstilbestrol. *Endocrinology* 124: 2568-2576, 1989.
35. Brown, C.F., Teng, C.T., Pentacost, B.T., and DiAugustine, R.P.: Epidermal growth factor precursor in mouse lactating mammary gland alveolar cells. *Mol. Endo.* 3: 1077-1083, 1989.
  36. Panella, T.J., Liu, Y.H., Huang, A.T., and Teng, C.T.: Polymorphism and altered methylation of the lactoferrin gene in normal leukocytes, leukemia cells and breast cancer. *Cancer Res.* 51: 3037-3043, 1991.
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#### INVITED BOOK CHAPTERS AND REVIEWS

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### ABSTRACTS

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