

Curriculum Vitae

Mary Beth Martin

Home Address: 965 Leigh Mill Road
Great Falls, VA 22066

Office Address: Georgetown University
Lombardi Comprehensive Cancer Center
Research Building E411
3970 Reservoir Road, NW
Washington, DC 20007

Home Telephone: 703 759-7307

Business Telephone: 202 687-3768

Place of Birth: NJ, USA

Date of Birth:

Social Security Number:

Citizenship: USA

Education:

1970-1974 College of New Rochelle
New Rochelle, NY 10801
Degree: BA in Biology
Senior Thesis: "The effects of amphotericin B on erythropoietic activity in rats"
Honors: Academic Honors, Election to Tri-Beta and American Chemical Society

1975-1982 University of Medicine and Dentistry of New Jersey
Graduate School of Biomedical Sciences
Newark, NJ 07103
Degree: Ph.D. in Biochemistry
Dissertation: "The cellular uptake, binding, and transport of benzo(a)pyrene"
Honors: Election to Sigma Xi, The Scientific Research Society

1982-1984 National Research Council Associate
United States Army Medical Research Institute of Infectious Disease
Fort Detrick
Fredrick, MD 21701

1984-1986 Post-doctoral Fellow
Uniformed Services University of the Health Sciences
Department of Pharmacology
4301 Jones Bridge Road
Bethesda, MD 20814-4799

1986-1988 Biotechnology Fellow
National Institutes of Health
National Cancer Institute
Medicine Branch, Breast Cancer Section
Bethesda, MD 20892

Professional Experience:

1988-present Georgetown University
School of Medicine
Lombardi Cancer Center
3970 Reservoir Road, NW
Washington, DC 20007

1988-1989 Research Instructor
Department of Biochemistry & Molecular Biology

1989-1991 Research Assistant Professor
Department of Biochemistry & Molecular Biology

1991-1997 Assistant Professor
Department of Biochemistry & Molecular Biology

1997-2004 Associate Professor
Departments of Oncology and Biochemistry & Molecular Biology

2004-present Professor
Departments of Oncology and Biochemistry and Molecular & Cellular Biology

Professional Societies:

The Endocrine Society, member since 1987
American Association of Cancer Research, 1991-1998

University Service:

Search Committee, Director of Georgetown Environmental Initiative, 2016 to present
Presidential Task Force on Rank and Tenure, 2016 to present
University Committee on Rank and Tenure, 2009 to 2015
Georgetown Environmental Initiative, 2012 to present
Georgetown Global Engagement, 2015 to present
Committee on Standardization of Educational Efforts, 2012
Grievance Code Committee, 2005-2008

Animal Resources Advisory Committee Lombardi Cancer Center, 2007 to present
Tissue Culture Advisory Committee Lombardi Cancer Center, 1992-1994 and presently
Deputy Associate Director for Cancer Research Education, 2007 to 2019
GEMS Admission Committee, 1993 to 2007
SPORE in Breast Cancer Executive Committee, 1991 to present
Post-doctoral Fellowship Committee (federally funded programs), Director, 1994 to present
Tumor Biology Oversight Committee, 2002 to present
Committee on Appointments and Promotions, 1997 to 2005
Committee on Students, 1995 to 2007; 2011 to present
LCME Institutional Self Study Committee on Medical Students, 2001, 2009
Search Committee, Physiology Chair, 1998 to 1999
Sciences Strategic Planning Subcommittee, 1998
Research Advisory Committee Lombardi Cancer Center, 1994-1997
Radiation Safety Committee, 1993-1996
Search Committee, Department of Biochemistry & Molecular Biology, 1991

Medical/Graduate Courses Directed:

Modern Methods of Molecular Biology, Co-Director, 1996 to present
Modern Methods of Biotechnology, Co-Director, 2001 to 212

Medical/Graduate Courses Participated:

Medical Biochemistry, Lecturer, currently, 4 hours
Fundamentals of Biochemistry, Lecturer, currently, 3 hours
Modern Methods of Molecular Biology, Lecturer, currently, 8 or 12 hours depending on the year
Modern Methods of Biotechnology, Lecturer, currently, 9 hours
Biochemical and Cellular Sciences (formerly Graduate Biochemistry), Lecturer, currently, 7.5 hours
Tumor Endocrinology, Lecturer, currently, 1 or 2 hours depending on the year
Lifestyles and Prevention of Cancer, Lecturer, currently, 1.5 hours
Research Survey Course, Lecturer, currently, 0.5 hours
Molecular Biology, Lecturer
Concepts in Molecular Biology, Lecturer
Special Topics in Molecular Biology, Lecturer
Regulation of Gene Expression, Lecturer
Patient Oriented Problem Solving (POPS), Facilitator, 2 hours
Problem Based Learning (PBL), Facilitator
Brown Bag Lunch Summer Seminar Series, former Director; Lecturer, 2002 to present, 2 hours

Basic Science Education:

Thesis Advisor:

Doctoral Candidates

Qiaochu Wang, currently

Xu Shi, currently
Reem Gahthani, currently
Joy Adigun, 2021
John Psaltis, currently
Zeina Sharawi, (Howard University), 2017
Geoffrey Storchan, 2012
Daniela Parodi, 2012
Shailaja Divekar, 2008
David Veselik, 2006
Amina Fakhro, 1998
Bradley Fenster (MD-PhD), 1996
Adriana Stoica, (University of Bucharest), 1994

Master's Candidates

ChenCheng Zhao, 2022
Lingjie Kong, 2022
Monica Barrera, 2022

Samar Alagl, 2018
Jonathan Shiroma, 2018
Fatmah Alolaqi, 2017
HongZhao Zhou, 2016
Victor Obeng Antwi, 2016
Upsana Dutta, 2015
Sawsan Khatrawi, 2015
Charles Kusi, 2014
Zhang Li, 2014
Sadim Al-Hayli, 2014
Dalal Alsowaida, 2014
Yang Huang, 2014
Tiffany Chang, 2014
Temilolu Odunusi, 2014
Sawsun Ghawanni, 2013
Dalal Alkuraythi, 2013
Dalal Albohamad, 2013
Faris Alkhilaiwi, 2013
Anntania Emanuel, 2013
Nouran Abualsaud, 2012
Alok Sabnis, 2012
Fatima Gibrel, UDC 2012
Ashwini Sheshasayee, 2011
Rami Mosaoa, 2011
Olaoluwa Oladejo, 2011
Amruta Mali, 2011
Claire Evans, 2010
Lepakshi Sanhi, 2009

Meredith Leigh Anderson, 2007
Rahat Husain, 2007
Maiken Kone, 2006
Madie Rameriz, 2006
Emma Thembani, 2006
Hao The Du, 2006
Katie Olesnanki, 2005
Geoffrey Storchan, 2005
Evin Yucel, 2005
Chin Ting, 2003
Ada Becetty, 2002
Phunstuk Gyaltzen, 2002
Berhouz Sarrami, 2002
Rita Kralik, 2001
Shailaja Divekar, 2001
Anissa Ryan, 2000
Trung Pham, 2000
Michael Lahm, 1999
Yaniris R. Avellanet, 1997
Vidhya Doraiswamy, 1995

Bachelor's Candidates

Norisha Quaicoe, 2018
Jordan Shinn, 2018
Shannon Cahalan, 2017-2019
Cara Minichetti, 2017
Tanisha Maitre (Hampton University), 2016
Jasmine Hatcher-Moorman (Hampton University), 2015
Myron Keith Gibert (Hampton University), 2014
Michelle Chang, 2016
William Rydzewski, 2016
Sophia Vernerio (Montgomery Community College), 2015
Glyn Noguchi, 2013
Samuel Dowling, 2013
Alexandra Alpaugh, 2013
Serge Amouzou (Montgomery Community College), 2015
Anna Chichura, 2012
William Yeguech (Montgomery Community College), 2014
Mathew Nazari, 2012
Andrew ElDadh, 2011
Karen Pereira, 2010
Yuse Lajiminmuhip, 2009
Morgan Greenfield, 2009
Laura Linville, 2009
Kristin Lynn Koenig, 2009
Bitra Ghafouri, 2009

Katherine Sperle, 2008
Christine Cutillo, 2008
James Williams, 2008
Nixon, Menarvia K.C. (Howard University, 2006, HU School of Medicine 2007)
Francis Christian, 2007
Emily Littlejohn, 2006
Maureen Egan, 2005
Brent Gilmore, 2004
Earl Johnson, 2005
Emily Turek, 2003
Michael McLemore, 2000
Janice Imrich, 1997
Nicole Williams (Kalamazoo State University), 1991

Medical Students

Cassie Williams, 2014
Mudit Kaushal, 2012

High School Students

Jesse Solomon, Bethesda Chevy Chase High School, 2018
Rinnie Hewlett, HAS 2017
Gillian Hutter, HAS 2016
Glenda Smerin, HAS 2015
Alyssa Landow, HAS 2014
Tiffany Onyejuiaka, HAS 2013
Melody Fung, HAS 2012
Alexa Dantzler, Bishop O'Connell High School, 2012
Hannah Kojm, HAS 2011

Not included are summer students in the American Cancer Society and CURE Programs, rotating doctoral students, GEMS students, or senior thesis students from Georgetown University School of Nursing.

Thesis Committee:

Rami Mosaoa, 2017
Timothy Day, 2015
Ifeyinaw Obiorah, 2014
Richardo Martinez Zamudio, 2012
Jean Baptiste, S.J., 2012
Marina Carla Cabrera, 2012
Amani Batarseh, 2010
Kelly Thomas, 2009
Jacqueline Lekostaj, 2008
Valerie Trabosh, 2009
August Stuart, 2008

Maria Silvina Frech, 2007
Debyani Chakravarty, 2007
Christine Haackenson, 2007
Ahmad Daher, MS, 2007
Jacqueline Ruttiman, 2005
Johanna Camara, 2005
Susan Olivio, 2004
Lorena dela Pena, 2004
Marisa Teo, 2003
Olga Rodriguez, 2003
Elizabeth Martinez, 2002
Benjamin Kagan, 2002
Violaine Harris, 1999
Gerald-Elly Stoica, 1998
Sosimo Fabin, 1998
Fang Wang, 1998
Mark Lavigne, 1997
Ronit Yarden, 1995
Veronica Yang, 1993

Post-doctoral Fellows:

Gai Yan, currently
Brandy Huderson, 2014
Kedra Cyrus, Ph.D., 2017
Shailaja Divekar, Ph.D., 2010, 2014
Leandria Hancock, Ph.D., 2007
Amina Fakhro, Ph.D., 2002
Adriana Stoica, Ph.D., 2006
Stephen Angeloni, Ph.D. 1999
Miguel Saceda, Ph.D., 1993
Pilar Garcia-Morales, Ph.D., 1993
Marco Gottardis, Ph.D., 1992

Scientific Advisory Board:

Cancer Prevention and Research Foundation (formerly Cancer Research Foundation of America)

Study Section/Grant Reviews:

Cancer Prevention and Research Foundation, 1996 to present
Ad Hoc Member NCI Subcommittee F Manpower and Training, 2006, 2007, 2009, 2013
Department of Defense Breast Cancer Research Program, 1995 to 1998, 2003, 2007, 2008, 2009, 2010, 2011, 2017
Ad Hoc Member Reproductive Endocrinology Study Section, NIH, 1993, 1997, 1999, 2000 (SBIR)

Massachusetts Breast Cancer Initiative, 1994
Ad Hoc Member Biological Sciences Study Section, NIH, 1993-1994
Rapid Access to NCI Discovery Resources (RAND), 2003
Ad Hoc member of NIEHS study section, 2010
California Breast Cancer Research Program 2011, 2014

Journal Reviewer:

Molecular Endocrinology
Endocrinology
Cancer Research
Journal of National Cancer Institute
The FASEB Journal
Journal of Steroid Biochemistry and Molecular Biology
Breast Cancer Research and Treatment
Cell Biology and Toxicology
Reproductive Toxicology

Research Grants:

Prior Research Grants:

Regulation of estrogen receptor in human breast cancer
NIH RO1 CA50445
Mary Beth Martin, Ph.D. (PI)
funded 8-1-89 to 6-30-92
\$320,862 (approx) total direct costs

Growth regulation as target in breast cancer treatment
NIH UO1 CA51908
Marc E. Lippman, M.D. (PI)
Program 1 – Hormonal regulation of gene expression
Mary Beth Martin, Ph.D. (PI Program 1)
5-1-90 to 4-31-95
\$350,479 (approx) total direct costs for Program 1

Role of estrogen receptor in human in breast cancer
ICCCR-Komen Foundation
Mary Beth Martin, Ph.D. (PI)
1-1-91 to 12-31-91
\$15,000 total direct costs

SPORE in breast cancer
NIH P50 CA58185
Marc E. Lippman, M.D. (PI)

Program 5 – erbB-2, erbB-2 ligand, and estrogen receptor interactions and therapeutic implications for malignant progression

Mary Beth Martin, Ph.D. (co-PI Program 5)

7-1-92 to 6-30-95

\$392,229 (approx) total direct costs for Program 5

Regulation of estrogen receptor in human breast cancer

NIH RO1 CA50445

Mary Beth Martin, Ph.D. (PI)

4-1-93 to 3-31-96

\$411,661 (approx) total direct costs

Role of cadmium in breast cancer etiology

NIH RO3 CA70708

Mary Beth Martin, Ph.D. (PI)

9-30-95 to 9-29-97

\$100,000 total direct costs

Transcriptional regulation of the estrogen receptor

NIH RO1 CA59493

Mary Beth Martin, Ph.D. (PI)

4-1-96 to 3-31-99

\$300,008 total direct costs

Role of dietary metals in breast cancer

American Institute for Cancer Research 00A104

Mary Beth Martin, Ph.D. (PI)

7-1-00 to 12-31-02

\$150,000 total direct costs

Role of cadmium in breast cancer etiology

NIH RO1 CA70708

Mary Beth Martin, Ph.D.

12-1-98 to 11-30-00

\$443,883 total direct costs

Role of cadmium in the etiology of breast cancer

Park Foundation

Mary Beth Martin, Ph.D. (PI)

7-1-98 to 6-30-99

\$150,000 total direct costs

Timing of dietary exposure and breast cancer risk – Planning Grant

NIH P20 CA93986

Leena Hilakivi-Clarke, Ph.D. (PI)

9-1-01 to 8-31-02

\$ 74,555 total direct costs
Mary Beth Martin, Ph.D. (Core Director)
Mary Beth Martin, Ph.D. (PI Pilot Project)

Androgen like effects of heavy metals in prostate cancer
NIH RO1 ES11745
Mary Beth Martin, Ph.D. (PI)
9-30-01 to 7-31-05
\$ 675,000 total direct costs

Targeting expression of estrogen receptor- α for therapy
DOD BC024404
Mary Beth Martin, Ph.D. (PI)
10-1-03 to 9-30-04
\$75,000 total direct costs
Role of nitrites/nitrates in the etiology of breast cancer

Komen
Mary Beth Martin, Ph.D. (PI)
5-1-04 to 4-30-06
\$200,000 total direct costs

Timing of dietary exposure and breast cancer risk
NIH U54 CA03001
Leena Hilakivi-Clarke, Ph.D. (PI)
10-1-03 to 9-30-08
\$1,269,822 total direct costs
Mary Beth Martin, Ph.D. (Core Director)
\$812,613 total direct costs
Mary Beth Martin, Ph.D. (PI Pilot Project)
\$125,000 total direct costs

Low dose effects of in utero exposure to cadmium on puberty
EPA RD831236
Mary Beth Martin, Ph.D. (PI)
12/1/04 – 11/30/07
\$158,676 annual direct costs

The underlying role of diet in breast cancer risk
American Institute for Cancer Research - 04B105
Mary Beth Martin, Ph.D. (PI)
12-01-04 to 11-30-06 (no cost extension)
\$74,801 annual direct costs

Arsenite and epigenetic regulation of gene expression
NIH/NIEHS R21 ES014160-01

Martin, Mary Beth (PI)
9-1-06 to 8-31-08
\$150,000 annual direct costs

Shipboard metalloestrogens and breast cancer
Department of the Navy
Martin, PI on subcontract
5-1-11 to 4-30-14
\$50,000 annual direct costs

Novel approach to the treatment of hormone-independent and -resistant breast cancer
DOD Idea Award AWD4462814
6-1-13 to 5-31-16
Martin, Mary Beth (PI)
\$125,000 annual direct costs

Currently Funded Research Grants:

Impact of environmental metal/metalloid exposures on mammographic breast density, a marker of breast cancer
BCERP Consortium NIEHS & NCI - 1 U01 ES026132-01
09/30/2015 to 06/30/2020
Martin, Mary Beth (MPI); Byrne, Celia (MPI)
\$600,000 annual direct costs

P20CA242611
Adams-Campbell, Taylor, & Williams (MPI)
09/01/19-08/31/23
Howard-Georgetown Collaborative Partnership
Pilot project – Novel strategies for the treatment of racially diverse triple negative breast cancer
9/1/21-8/31/23

Training Grants:

Georgetown University and Hampton University Prostate Cancer Undergraduate Fellowship Program
Riegel, Anna (PI)
Martin, Mary Beth (co-investigator)
DOD PC81394
1-1-09 to 12-31-11
\$60,000 annual direct costs

Fellowship Grants:

(do not include minority supplements to my NIH grants for Asia Mills and Elizabeth Martinez)

Regulation of estrogen receptor in human breast cancer

Cancer Research Foundation of America

Miguel Saceda, Ph.D. (fellow)

Mary Beth Martin, Ph.D.(sponsor)

6-1-89 to 5-31-92

\$75,000 total direct costs

Role of retinoblastoma gene in breast cancer

NIH F32 CA09048

Marco Gottardis, Ph.D. (fellow)

Mary Beth Martin, Ph.D. (sponsor)

9-30-90 to 9-29-92

\$42,000 total direct costs

Role of estrogen in the regulation of estrogen receptor expression in human breast cancer

Cancer Research Foundation of America

Maria del Pilar Garcia-Morales, Ph.D. (fellow)

Mary Beth Martin, Ph.D. (sponsor)

7-25-91 to 7-24-92

\$25,000 total direct costs

Role of insulin-like growth factor in the regulation of estrogen receptor expression

Endocrine Society Summer Fellowship

Michael Joyner, GEMS student (fellow)

Mary Beth Martin, Ph.D. (sponsor)

6-1-91 to 9-1-91

\$2,000 total direct costs

The role of cadmium in the development of breast cancer

Cancer Research Foundation of America

Adriana Stoica, Ph.D. (fellow)

Mary Beth Martin, Ph.D. (sponsor)

4-15-94 to 11-30-96

\$50,000 total direct costs

The role of cadmium in the development of breast cancer

Susan B. Komen Foundation

Adriana Stoica, Ph.D. (fellow)

Mary Beth Martin, Ph.D. (sponsor)

12-1-96 to 11-30-99

\$105,000 total direct costs

Loss of estrogen receptor expression in breast cancer

Cancer Research Foundation of America – Summer Fellowship

William Gwinn, William and Mary undergraduate (fellow)

Mary Beth Martin, Ph.D. (sponsor)
6-1-96 to 7-15-96
\$2,640 total direct costs

In Utero Exposure to Cadmium, Mammary Gland Development, and Breast Cancer Risk
Webster, Jennifer (PI, predoctoral student)
Martin, Mary Beth (co-mentor)
Hilakivi-Clarke, Leena (co-mentor)
DOD BC050804
4-20-06 – 4-19-09
\$30,000 annual direct costs

In utero arsenite exposure and regulation of gene expression
Nixon, Menarvia K.C. (summer fellow, Howard University School of Medicine)
Martin, Mary Beth (mentor)
The Endocrine Society
6-1-07 to 8-30-07
\$4,000 annual direct costs

Activation of estrogen receptor-alpha by novel anions
Storchan, Geoffrey Brian (PI, predoctoral student)
Martin, Mary Beth (mentor)
DOD Predoctoral Fellowship
4-01-08 – 3-31-11
\$30,000 annual direct costs

Arsenite and breast cancer
Daniela Parodi (PI, predoctoral student)
Martin, Mary Beth (mentor)
DOD Predoctoral Fellowship
8-01-08 to 7-31-11
\$30,000 annual direct costs

ADD DOD GU-HAMPTON GRANT

Publications:

Yang, C.S., Sydor, W., Martin, M.B., and Lewis, K.F. Effects of butylated hydroxyanisole on the aryl hydrocarbon hydroxylase of rats and mice. *Chem.-Biol. Interactions* 37:337-350, 1981.

Martin, M.B., Riegel, A.T., and Schoenberg, D.R. Differential induction of vitellogenin gene transcription and total transcriptional activity by estrogen in *Xenopus laevis* liver. *J. Biol. Chem.* 261:2355-2361, 1986.

Riegel, A.T., Martin, M.B., and Schoenberg, D.R. Transcriptional and post-transcriptional inhibition of albumin gene expression by estrogen in *Xenopus* liver. *Mol. Cell. Endo.* 44:201-209, 1986.

Riegel, A.T., Aitken, S.C., Martin, M.B., and Schoenberg, D.R. Posttranscriptional regulation of albumin gene expression in *Xenopus* liver: evidence for an estrogen receptor-dependent mechanism. *Mol. Endocrinol.* 1:160-167, 1987.

Riegel, A.T., Aitken, S.C., Martin, M.B., and Schoenberg, D.R. Differential induction of hepatic estrogen receptor and vitellogenin gene transcription in *Xenopus laevis*. *Endocrinol.* 120:1283-1290, 1987.

Saceda, M., Lippman, M.E., Chambon, P., Lindsey, R.L., Poglikitimongkol, M., Puente, M., and Martin, M.B. Regulation of the estrogen receptor in MCF-7 cells by estradiol. *Mol. Endocrinol.* 2:1157-1162, 1988.

Saceda, M., Lippman, M.E., Chambon, P., Lindsey, R.L., Puente, M., and Martin, M.B. Role of an estrogen receptor-dependent mechanism in the regulation of the estrogen receptor in MCF-7 cells. *Mol. Endocrinol.* 3:1782-1787, 1989.

Saceda, M., Knabbe, C., Dickson, R.B., Lippman, M.E., Bronzert, D., Lindsey, R.K., Gottardis, M.M., and Martin, M.B. Post-transcriptional destabilization of estrogen receptor mRNA in MCF-7 cells by TPA. *J. Biol. Chem.* 266:17809-17814, 1991.

Kenney, N.J., Saeki, T., Gottardis, M., Kim, N., Gracia-Morales, P., Martin, M.B., Normanno, N., Ciardiello, F., Day, A., Cutler, M.L., and Salomon, D.S. Expression of transforming growth factor alpha antisense mRNA inhibits the estrogen-induced production of TGF-alpha and estrogen-induced proliferation of estrogen-responsive human breast cancer cells. *J. Cellul. Phys.* 156:497-514, 1993.

Dickstein, B., Valverius, E.M., Wosikowski, K., Saceda, M., Pearson, J.W., Martin, M.B., and Bates, S.E. Increased epidermal growth factor receptor in an estrogen responsive, adriamycin-resistant MCF-7 cell line. *J. Cellul. Phys.* 157:110-118, 1993.

Garcia-Morales, P., Saceda, M., Kenney, N., Kim, N., Salomon, D.S., Gottardis, M.M., Solomon, H.B., Sholler, P.F., Jordan, V.C., and Martin, M.B. Effect of cadmium on estrogen receptor levels and estrogen-induced responses in human breast cancer cells. *J. Biol. Chem.* 269:16896-16901, 1994.

Martin, M.B., Garcia-Morales, P., Stoica, A., Solomon, H.B., Pierce, M., Katz, D., Zhang, S., Danielsen, M., and Saceda, M. Effects of 12-O-tetradecanoylphorbol-13-acetate on estrogen receptor activity in MCF-7 cells. *J. Biol. Chem.* 270:25244-25251, 1995.

Gottardis, M.M., Saceda, M., Garcia-Morales, P., Fung, Y.K., Solomon, H., Lippman, M.E., and Martin, M.B. Regulation of the retinoblastoma gene in hormone dependent breast cancer. *Endocrinol.* 136:559-565, 1995.

Grunt, T., Saceda, M., Martin, M.B., Lupu, R., Dittrich, E., Krupitza, G., Harant, H., Huber, H., and Dittrich, C. Bidirectional interactions between the estrogen receptor and the *erbB-2* signaling pathways: heregulin inhibits estrogenic effects in breast cancer cells. *Int. J. Cancer*, 63: 560-567, 1995.

Saceda, M., Grunt, T., Colomer, R., Lippman, M.E., Lupu, R., and Martin, M.B. Regulation of estrogen receptor level and activity by an *erbB/HER* ligand in breast carcinoma cell lines. *Endocrinol.* 137:4322-4330,1996.

Kim-Shulze, S., McGowan, K., Hubchak, S., Cid, M., Martin, M.B., Kleinman, H., Greene, G.L., and Schnaper, W. Expression of an estrogen receptor by human coronary artery and umbilical vein endothelial cells. *Circulation.* 94: 1402-1407, 1996.

Stoica, A., Saceda, M., Fakhro, A., Solomon, H., Fenster, B.D., and Martin, M.B. The role of transforming growth factor beta in the regulation of estrogen receptor in MCF-7 breast cancer cell line. *Endocrinol* 138:1498-1505, 1997.

Hilakivi-Clarke, L., Stoica, A., Raygada, M., and Martin, M.B. Consumption of a high-fat diet alters estrogen receptor content, protein kinase C activity, and mammary gland morphology in virgin and pregnant mice and female offspring. *Cancer Research* 58: 654-660, 1998.

Saceda, M., Lindsey, R.K., Solomon, H., and Martin, M.B. Estradiol regulates estrogen receptor mRNA stability in MCF-7 cells independent of translation. *J. Steroid Biochem. Mol. Endo* 66: 113-120. 1998.

Lou, H., Martin, M.B., Stoica, A., Ramwell, P., and Foegh, M. Upregulation of estrogen receptor α expression in rabbit cardiac allograft. *Circul. Res.* 83:947-951, 1998.

Stoica, A., Saceda, M., Fakhro, A., Solomon, Harrison B., Fenster, Bradley D., and Martin, M.B. Regulation of estrogen receptor gene expression by vitamin D in MCF-7 Cells. *J. Cell. Biochem* 75: 640-651, 1999.

Stoica, A., Saceda, M., Fakhro, A., Joyner, M., Martin, M.B. Role of insulin-like growth factor-I in the regulation of estrogen receptor- α gene expression. *J. Cell. Biochem.* 76: 605-614, 2000.

Stoica, A., Katzenellenbogen, B., and Martin, M.B. Activation of the estrogen receptor by the heavy metal cadmium. *Mol. Endocrinol.* 14: 545-553, 2000.

Stoica, A., Saceda, M., Doraiswamy, V.L., Coleman, C., and Martin, M.B. Regulation of estrogen receptor- α gene expression by epidermal growth factor. *J. Endocrinol.* 165:371-378, 2000.

Stoica, A., Pentecost, E., and Martin, M.B. Effects of arsenite on estrogen receptor- α expression and activity in MCF-7 breast cancer cells. *Endocrinol.* 141:3595-3602, 2000.

Stoica, A., Pentecost, E., and Martin, M.B. Effects of selenite on estrogen receptor- α expression and activity in MCF-7 breast cancer cells. *J. Cell Biochem.* 74:282-292, 2000.

Martin, M.B., Franke, T.F., Stoica, G.E., Chambon, P., Katzenellenbogen, B.S., Stoica, B.A., McLemore, M.S., Olivio, S.E., and Stoica, A. A role for Akt in mediating the estrogenic functions of EGF and IGF-I. *Endocrinol.* 141:4503-4511, 2000.

Martin, M.B., Voeller, H. J., Gelmann, E.P., Lu, J., Stoica, E.-G., Hebert, E.J., Reiter, R., Singh, B., Danielsen, M., Pentecost, E., and Stoica, A. Role of cadmium in the regulation of androgen receptor gene expression and activity. *Endocrinol.* 143:263-275, 2002.

Martin, M.B., Reiter, R., Phan, T., Avellanet, Y.R., Camara, J., Lahm, M., Pentecost, E., Pratap, K., Gilmore, B.A., Divekar, S., Dagata, R.S., Bull, J., and Stoica, A. Estrogen like effects of metals in MCF-7 breast cancer cells. *Endocrinol.* 144:2425-36, 2003.

Stoica, GE, Franke, TF, Moroni, M, Wellstein, A, Martin, MB, and Stoica, A. The effects of estradiol on estrogen receptor- α gene expression and activity can be modulated by Akt. *Oncogene* 22: 6054-6067, 2003.

Johnson, M., Kenney, N., Hilakivi-Clarke, L., Singh, B., Chepko, G., Clarke, R., Sholler, P.F., Lirio, A., Foss, C., Trock, B., Paik, S., Stoica, A., and Martin, M.B. Cadmium mimics the effects of estrogen *in vivo* in the uterus and mammary gland. *Nature Med.* 9: 1081-1084, 2003.

Martin, M.B., Angeloni, S.V., Garcia-Morales, P., Sholler, P.F., Castro-Galache, M.D., Ferragut, J.A., and Saceda, M. Regulation of estrogen receptor- α expression in MCF-7 cells by taxol. *J. Endocrinol.* 180: 487-498, 2004.

Angeloni, S.V., Martin, M.B., Garcia-Morales, P., Sholler, P.F., Castro-Galache, M.D., Ferragut, J.A., and Saceda, M. Regulation of estrogen receptor- α expression by the tumor suppressor gene p53 in MCF-7 cells. *J. Endocrinol.* 180: 497-504, 2004.

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Veselik, D.J., Divekar, S., Dakshanamurthy, S., Storchan, G., Turner, J., Graham, K., Huang, L., Stoica, A., Katzenellenbogen, B., and Martin, M.B. Activation of estrogen receptor- α by the anion nitrite. *Cancer Research* 68:3950-3958, 2008.

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