

VIVIAN LEWIS, M.D
137 Wallis Hall; Box 270016
University of Rochester
Rochester NY 14627-0016
vivian.lewis@rochester.edu
585-273-2760

EDUCATION

Leadership:

Leadership Learning Collaborative Program
University of Rochester Warner School of Education and Ramerman Leadership Group
Rochester NY
Certificate-

Executive Leadership in Academic Medicine (ELAM)
Drexel University College of Medicine
Philadelphia, PA
Certificate-

University of Rochester
William E. Simon Graduate School of Business
Executive Program in Health Care Leadership
Certificate-

Fellowship:

University of California, San Francisco
Dept of Ob-Gyn & Reproductive Sciences and Cardiovascular Research Institute
Reproductive Endocrinology

Residency:

Mount Sinai Hospital, New York City
Mount Sinai School of Medicine
Obstetrics-Gynecology

Medical School

Columbia University
College of Physicians and Surgeons
Medical Degree

Undergraduate

Harvard University
Cambridge, MA
Bachelor of Arts
Biology Concentration

CURRENT POSITION

Vice Provost Faculty Development and Diversity and Deputy to the President
University of Rochester

Professor of Obstetrics-Gynecology
University of Rochester School of Medicine and Dentistry
Rochester, New York

PREVIOUS ACADEMIC APPOINTMENTS

Acting Vice Provost Faculty Development and Diversity and Deputy to the President
University of Rochester

Associate Dean for Faculty Development for Women and Diversity
University of Rochester Medical Center

Director, Division of Reproductive Endocrinology
Associate Professor of Obstetrics-Gynecology
Director, In Vitro Fertilization Program
University of Rochester Medical Center; Rochester, New York

Assistant Professor
Department of Obstetrics and Gynecology
University of Illinois College of Medicine at Chicago

Clinical Instructor
Department of Obstetrics and Gynecology and Reproductive Sciences
University of California, San Francisco

BOARD CERTIFICATION

American Board of Obstetrics & Gynecology
Reproductive Endocrinology, American Board of Obstetrics and Gynecology
Voluntary recertification, American Board of Obstetrics & Gynecology

MEDICAL LICENSURE

New York

PROFESSIONAL ORGANIZATIONS-memberships

American Society for Reproductive Medicine
Endocrine Society
National Association of Diversity Officers in Higher Education

National Medical Association

COMMITTEES & ADMINISTRATIVE SERVICE (National)

National Science Foundation

- External advisory board member for Rochester Institute of Technology's ADVANCE institutional transformation grant: Creating opportunity networks for engagement and collective transformation (CONNECT@RIT); PI-Bailey, Margaret

Eunice Kennedy Shriver National Institute of Child Health and Human Development

- Diversity Task Force, 2013-2017
- Data Safety Monitoring Board, Cooperative Multicenter Reproductive Medicine Network, 2010-2013
- Advisory Council, 2007- 2011
- Ad-hoc Reviewer- 2001

National Institute on Aging-

- Study section member, 2005-2007
- Special emphasis panel member, 2002- 2004

Food and Drug Administration

- Bone, reproductive and urologic drugs advisory committee chair 2015-2020
- Reproductive health drugs advisory committee member 2002 – 2006
- Fertility and maternal health advisory committee, 1995-1998

Scientific Advisory Board for Women Heart- a national coalition for women with heart disease, 2002-2004

UNIVERSITY OF ROCHESTER MEDICAL SCHOOL & UNIVERSITY COMMITTEES (selected)

- Mentor Development Working Group Clinical Translational Science Institute- 2006-present (Chair, 2008-present)
- Presidential Commission on Race and Diversity (Chair of Faculty Work Group) 2015-2016
- Middle States Reaccreditation Steering Committee (Co-chair of working group on faculty) 2012-2014
- Liaison Committee on Medical Education- self-study task force (Chair, faculty committee), 2006-07
- Steering committee- Medical School Advisory Council (promotion and tenure)- 2006-09
- University-wide Task Force on Faculty Diversity and Inclusiveness 2006
- School of Medicine Admissions Committee 2003-2006
- School of Medicine and Dentistry Honors Degree Committee 2001-2008

EDUCATIONAL ACTIVITIES: *Educational portfolio- available on request*

GRANTS AND CONTRACTS

Current

Rochester Partnership to Advance Research and Academic Careers in Deaf Scholars; (K12 GM 106997). This is an education and training grant to increase opportunities for deaf and hard of hearing individuals to obtain advanced training in biomedical research. (PI- Dewhurst, S). Role – Oversight committee. 2015-2021

Rochester bridges to the doctorate for deaf and hard of hearing students (GM107739-01). This is an education and training grant to increase opportunities for deaf and hard of hearing students to earn advanced degrees in biomedical sciences. (PI- Simpson-Haidaris, Patricia J). Role- Oversight committee. 2013-2019

The University of Rochester's Clinical Translational Science Institute- 5 UL1 TR000042-10 (PIs: Kiebertz, K/Bennett N/Zand M), NIH/National Center for Research Resources. Role- Chair, Mentor development committee in the Research Education, Training and Career Development key function. (.05 FTE) 2006-2019

Building Integrated Pathways to Independence for Diverse Biomedical Researchers (IUL1MD009607-01) is part of a trans- NIH initiative, Building Infrastructure Leading to Diversity (BUILD). BUILD is a set of training awards designed to learn how to attract students from diverse backgrounds into the biomedical research workforce and encourage them to become future contributors to the NIH-funded research enterprise D'Amour, G (PI), Xavier Univ. of Louisiana; Role: Co Site PI (partner institution) 2014-2019

Completed

Researcher resilience through multidimensional mentoring (1DP4GM096850-01). This is a randomized trial to study the role of two different types of trainee and faculty mentoring in the promotion of resilience among underrepresented minorities (including disabled persons) in biomedical research careers at three Upstate New York Medical Centers: University of Rochester Medical Center, State University of New York (SUNY) - Buffalo and SUNY-Upstate Medical Center-Syracuse. Principal Investigator. \$1,986,374 (total costs); 2010-2013

RNA expression analysis of endometrial biopsies comparing placebo, Bazedoxifene/CE and Raloxifene- a secondary analysis, Wyeth Research (Site Principal investigator), \$1500 (estimate- direct cost): 2009-2010

Evaluation of changes in mammographic breast density associated with bazedoxifene/conjugated estrogens, raloxifene and placebo in postmenopausal women- a secondary analysis, Wyeth Research (Site Principal Investigator), \$6500 (estimate-

direct costs): 2009-2010

Double blind, randomized study of bazedoxifene/conjugated estrogen combinations for prevention of endometrial hyperplasia and osteoporosis, Wyeth Research (Site Principal Investigator), \$260,000 (estimate- direct costs): 2006-2008

Vitamin E and male infertility. Mae Stone Goode Foundation, (Principal investigator) \$8500, 2004-2006.

New York State infertility demonstration project, New York State Department of Health Contract, (Principal investigator) \$928,000 (estimate- direct): 2003-2007

Phase III- clinical trial of Bazedoxifene/conjugated estrogens combinations for prevention of osteoporosis, Wyeth Research, Principal Investigator, \$40,000 (estimate-direct), 2003-2005.

Premarin/Trimegesterone (a phase III clinical trial) Wyeth Research, Principal Investigator, \$70,000 (direct costs), 1998-2002

Safety and efficacy of a new formulation of recombinant human FSH (Gonal-F) vs. Fertinex for ART (phase III clinical trial) Serono, Co-Investigator. \$110,000 (direct costs), 2000-2001

Low dose Premarin and medroxyprogesterone acetate (a clinical trial) Wyeth Research, Principal Investigator, \$180,000 (direct): 1995-1999

Development of assisted reproductive technologies laboratory techniques. Mae Stone Goode Trust, \$103,000, 1993-1997

Comparison of urinary human FSH (Metrodin) and recombinant human FSH (Gonal F) for ovulation induction, phase III clinical trial. \$47,000. Serono Laboratories, Principal Investigator. 1992-1994

Pulsatile administration of gonadotropins for ovulation induction. \$5000 Kaiser Foundation Research Institute. Principal Investigator 1990

Efficacy of conjugated estrogens with or without additional medroxyprogesterone acetate. \$7,000 Ayerst Laboratories. Principal Investigator, 1987

Ovarian receptors for peptide growth factors. \$7,000 University of Illinois Campus Research Fund. Principal Investigator, 1986

Endometrial biochemical effects of medroxyprogesterone acetate. \$2,000 American

College of Obstetricians and Gynecologists. Co-investigator, 1986

Effects of estropipate on plasma lipid profile. \$48,000 Abbott Laboratories, Principal Investigator, 1986

Comparison of estropipate and conjugated estrogens in reduction of urinary calcium excretion. \$6,000 Abbott Laboratories, Principal Investigator, 1985

EDITORIAL WORK

Ad-hoc Reviewer

- Human Reproduction
- American Journal of Medicine
- Fertility and Sterility
- Journal of In Vitro Fertilization
- Food and Drug Administration- women's health grants
- Clinical Translational Sciences Journal
- Journal of the American College of Cardiology

Editorial Boards:

- Managing Menopause 1997 – 2002
- Journal of the National Medical Association 1994-1996

ABSTRACTS & PRESENTATIONS (selected)

Oral presentations- national and international meetings (selected)

Lewis V. Making mentoring work: what the data tell us. Keynote address. Annual Warner Reynold Leadership Academy. University of Chicago Biological Sciences Division; Chicago IL. June 2017

Lewis V. Latina Empowerment and Development Conference. College admissions panel. Harvard University. Cambridge MA; February 2017

Lewis V. Approaches to Mentor Training. National Human Genome Research Institute's annual T32 and DAP program directors meeting. Broad Institute at Harvard-Massachusetts Institute of Technology; October 2014

Lewis V, Jeffe DB, Andriole DA, McGee R. Evidence-based Approaches to Promoting Diversity in the Academic Medicine Workforce. Association of American Medical Colleges annual meeting. Philadelphia. November 2013

Lewis V, Trief P. Speed mentoring. Institute on teaching and mentoring annual conference. Arlington Virginia, October 2013

Lewis V. Mentors, medicine and metrics. Presentation for The Dynamics of Change Panel. Harvard College 40th reunion. October 2013.

Lewis V, Protégés and mentors- are they on the same page? - National Institute of General Medical Studies- Interventions to Increase Diversity in Biomedical Research- annual meeting. San Diego CA, August 2013

LaGuardia J, Sharp D, Ryan R, Lewis V: Researcher resilience through multidimensional mentoring. Annual meeting of University of New Mexico Mentoring Institute. Albuquerque, 2012

Lewis V: National Institute of Health- Brainstorming ideas for conducting studies with the peer review system: strategies for enhancing diversity of the biomedical workforce, March 2012

Lewis V, Goodman S, Morse E: National Institute of General Medical Studies- Interventions to Increase Diversity in Biomedical Research- annual meeting. Researcher resilience through multidimensional mentoring- progress report. San Francisco, August 2011

National Medical Association, Scientific Assembly- Meet the Professors (case discussion), Las Vegas 2009

Song G, Kochman L, Andolina E, Herko RC, Lewis V: Beneficial effects of dietary intake of plant phytoestrogens on semen parameters and sperm DNA integrity in infertile men. Annual meeting of the American Society of Reproductive Medicine. New Orleans, LA, October 2006

National Medical Association, Scientific Assembly- Meet the Professors (case discussion), Dallas TX, July 2006

Song G, Graham M, Lewis V: Sperm mitochondrial DNA copy number and integrity in infertile men- a comparison with nuclear DNA integrity. Annual meeting of the American Society of Reproductive Medicine. Montreal Canada, October 2005

Song G, Norkus EP, Lewis V: Relationship between seminal ascorbic acid and sperm DNA fragmentation in infertile men. Annual meeting of the American Society of Reproductive Medicine, Philadelphia PA, October 2004

National Medical Association, Scientific Assembly- Meet the Professors (case discussion), Honolulu 2004

Lobo RA, Dorin MH, Lewis V, Simon JA, Grubb GS: Safety and efficacy of conjugated estrogens (CE)/trimegestone (TMG) on vasomotor symptoms, vaginal atrophy, and metabolic profiles in a double-blind, randomized, placebo-controlled study. – Annual meeting of the American Society of Reproductive Medicine, San Antonio, TX, October 2003

American Society for Reproductive Medicine annual meeting, workshop on counseling women about hormone therapy and luncheon symposium on menopausal symptoms 2003

Eleventh World Congress on Human Reproduction, oral presentation: Update on hirsutism, Montréal, Quebec, 2002

American Association of Nurse Practitioners Annual Meeting-oral presentation: Lipid and coagulation effects of HRT, Orlando 2001

American College of Obstetricians and Gynecologists–Postgraduate course faculty: Current Reproductive Endocrinology for the clinician, 1999-2001

American College of Obstetricians and Gynecologists Roundtables: 1993-1995, 1998, 2002

Posters- national meetings (selected)

Lewis V, Martina CA, Trief P, McDermott MP. Effects of mentoring interventions for underrepresented scholars on mentor-protégé interactions. Annual meeting: Understanding interventions that broaden participation in science careers (NIGMS sponsored). Philadelphia 2016

Lewis V, Martina CA. Mentoring interventions: impact on career development. Annual meeting: Association for Clinical and Translational Science. Washington DC, 2014

Lewis V, Cassie M, Chaudron L. Establishing an infrastructure for advocacy in a decentralized setting. Annual Meeting: Association of American Medical Colleges. San Francisco, 2012

Martina CA, Lewis V. Researcher resilience through multidimensional mentoring. Annual meeting of the Society of Clinical Translational Science. Washington DC, April 2012

Lewis V, Cohn SE, Ward D. Meeting the needs of women and minority faculty at University of Rochester Medical Center. Annual meeting of Association of American Medical Colleges. Washington DC, November 2007

Lewis V, Pinkerton JV, Carr B, Olivier S, Pickar JH. SMART trials- endometrial effects of the tissue selective estrogen complex comprised of bazedoxifene/conjugated estrogens. Annual meeting of the American Society of Reproductive Medicine. Washington DC, October 2007

Lewis V, Kochman L, Andolina E, Herko RC, Song G. Dietary antioxidants and sperm quality in infertile men. Annual meeting of the American Society of Reproductive Medicine. New Orleans, LA, October 2006

Lewis V, Dozier A: Do women faculty understand the promotion system? Annual meeting of the American Medical Women's Association, Washington DC, January 2005

Song G, Lewis V: Seminal plasma protects against DNA fragmentation induced by hydrogen peroxide in infertile men- Annual meeting of the American Society of Reproductive Medicine, Philadelphia PA, October 2004

Barnhart JM, Charney P, Cohen O, Houghton JL, Lewis V, Merkatz I: Internists and Gynecologists attitudes and knowledge of coronary heart disease prevention in women. Annual meeting of the Society for General Internal Medicine, Philadelphia PA, May 2004

Lewis V, Guzick DS: Is administration of hCG in a clomiphene cycle cost effective? Annual meeting of the American Society of Reproductive Medicine, San Antonio, TX, October 2003

American College of Obstetricians and Gynecologists- poster session-Low dose hormone replacement therapy-Los Angeles, 2002

American Association of Physician Assistants Annual Meeting- Poster presentation: HRT and quality of life, Boston 2002

Endocrine Society Annual Meeting- Poster session: Metabolic effects of HRT, Denver 2001

The Individual Practitioners Association of America, Women's Health Conference, Washington DC, 1997

PUBLICATIONS

Articles

Reyniak JV, Lewis V: Hyperprolactinemic disorders. Mt. Sinai Journal of Medicine (New York), 47:612-617, 1980

Lewis V, Katz M, Roberts JH: Distribution of adrenergic receptors does not explain regional differences in blood flow in the pregnant uterus. Am Journal Obstet Gynecol; 249:860-864, 1984

Monroe SE, Henzl MR, Martin MC, Schriock E, Lewis V, Nerenberg C, Jaffe RB: Ablation of folliculogenesis in women by a single dose of gonadotropin-releasing hormone agonist: Significance of time of cycle. Fertil Steril; 43:361-368, 1985

Lewis V: Female dyspareunia. Pain & Analgesia; 2:7, May/June 1986

Roberts JM, Lewis V, Mize N, Tsuchiya A, Starr J: Human platelet alpha-adrenergic receptors and responses during pregnancy. Am Journal Obstet Gynecol; 154:206-210, 1986

Tsibris JCM, Lewis V, Langenberg PW, Chatterton RT, Spellacy WN: Cervical mucus enzymes as markers of the women's fertile period. Int J. Gynecol Obstet; 51:73-82, 1989

Dawood MY, Lewis V, Ramos J: Bone mineral content in women with endometriosis. Fertil Steril; 52:21-26, 1989

Lewis V, Goldfien A, Day J, Roberts JM: Rabbit alveolar beta-adrenergic receptors increase with gestational age. Am J Obstet Gynecol; 162:269-272, 1990

Lewis V, Khan-Dawood F, King M, Beckmann CRB, Dawood MY: Retention of intrauterine fetal bone increases menstrual prostaglandins. Obstet Gynecol; 75:561-563, 1990

Graham, MC, Partridge AB, Lewis, V, Phipps WR: A prospective comparison of synthetic serum substitute and human serum albumin in culture for IVF-ET. Fertil Steril;64;1036-1038,1995

Centola GM, Weisensel S, Lewis V, and Andolina EG, Herko RC: Time course of spontaneous in vitro acrosome reaction. J Androl; 18:556-562, 1997

Lewis V, DeVico A, Greenlaw J, Saller DN: Genetic screening of oocyte donors: an overview. Assisted Reproduction Reviews. 9: 95-103, 1999

Lewis V, Saller DN, Kouides RW, Garza J: A survey of genetic screening for oocyte donors. Fertil Steril. 71:278-281, 1999

Feigenbaum SL, Miller P, Kaufmann R, Elkind-Hirsch K, Fein SH, Marshall DC, Bravelle Ovulation Induction Study Group [Lewis V]: A new highly purified human derived FSH is an effective and well tolerated as recombinant Follitropin-beta in ovulation induction in infertile women with ovulatory dysfunction. Today's Therapeutic Trends. 19:297-313,

2001.

Lewis V: Evaluating and managing the hirsute patient. OBG management. 13:28, 2001

Lewis V: Polycystic ovary syndrome: a diagnostic challenge. Obstet Gynecol Clin No Amer. 28:1-20, 2001

Lewis V: Polycystic ovary syndrome; a diagnostic challenge. Infertility and Reproductive Medicine Clinics of North America. 14:497-516, 2003

Lewis V, Pearson T: Prevention of heart disease-beyond hormone replacement therapy. Menopausal <Medicine. 11:5-11; 2003

Lewis V: New hormone therapy formulations and routes of delivery- meeting the need of your patients in the post WHI world. OBG Management. S6:11-18; 2004

Lewis V, Hoeger K: Prevention of coronary heart disease- a non-hormonal approach. Seminars in Reproductive Medicine. 23:157-166; 2005

Lewis V: Female_sexual dysfunction- a common clinical problem. BMJ USA. 330: E345-346; 2005

Lewis V, Queenan JT, Hoeger, K, Stevens J, Guzick DS: Clomiphene citrate monitoring for intrauterine insemination timing- a randomized trial. Fertility and Sterility. 85: 402-406, 2006

Song GJ, Norkus EP, Lewis V: Relationship between seminal ascorbic acid and sperm DNA fragmentation in infertile men. International Journal of Andrology. 29: 569-575, 2006

Barnhart J, Lewis V, Houghton JL, Charney P: Physician knowledge levels and barriers to coronary risk prevention in women: survey results from the Women and Heart Disease Physician Education Initiative. Women's Health Issues 17: 93-100, 2007

Song GJ, Herko R, Lewis V: Location of semen collection and time interval from collection to use for intrauterine insemination. Fertility and Sterility 88: 1689-1691, 2007

Song GJ, Lewis V: Mitochondrial DNA and copy number in sperm from infertile men. Fertility and Sterility 90:2238-2244, 2008

Lewis V, Dozier A, Guzick DS: Do faculty understand the promotion system? Medical Teacher 30: 726-728, 2008

Archer DF, Lewis V, Carr BR, Olivier S, Pickar, JH. Bazedoxifene/conjugated estrogens:

incidence of uterine bleeding in postmenopausal women. *Fertility and Sterility* 92: 1039-1044, 2009

Lewis V. Undertreatment of menopausal symptoms and novel options for comprehensive management. *Current Medical Research and Opinions*. 25: 2689- 2698, 2009

Lewis V, Barnhart J, Houghton JL, Charney P. A brief office educational intervention improved referral rates for hypertension control in women. *International Journal of Cardiology*. 139:204-206, 2010

Martina CA, Mutrie A, Ward D, Lewis V: A sustainable course in research mentoring. *Clinical Translational Sciences Journal*. 7: 413-419; 2014.

Lewis V, Martina CA, McDermott MP, Trief PM, Goodman SR, Morse GD, LaGuardia JG, Sharp D, Ryan RM. A randomized controlled trial of mentoring interventions for underrepresented minorities. *Academic Medicine*. 7: 994-1001, 2016

Lewis V, Martina CA, McDermott MP, Chaudron L, Trief PM, LaGuardia JG, Sharp D, Goodman SR, Morse GD, Ryan RM. Mentoring interventions for underrepresented scholars in biomedical and behavioral sciences: effects on quality of mentoring interactions and discussions. *CBE Life Sciences Education*. 16ar44: 1-11, 2017

Anto-Ocrah A, Jones CM, Lewis V, Jusko T, van Wijngaarden E, Bazarian J. Mild traumatic brain injury and sexual function in women. *PeriFacts Online Continuing Education Program*. Activity 10837P. May 2018

Anto-Ocrah A, Cushman J, Karafanda M, Lewis V, Jusko TA, Bazarian J, van Wijngaarden E, Jones CM. Does hospital mode of arrival influence women's decisions to participate in research? *American Journal of Emergency Medicine*. Published online November 2018

Lewis V (co first author), Baldwin CD (co first author), Thorndyke LE, Gusic ME, Newbill SL, Morahan PS. Leadership development projects: Bidirectional impact on faculty and institutions. *Academic Medicine*- in review.

Anto-Ocrah A, Bazarian J, Lewis V, Jones CM, Jusko TA, van Wijngaarden E. Risk of menstrual changes after concussion in women of reproductive age. *Archives of Physical Medicine and Rehabilitation*- in review.

Books

Lewis V, editor. *Reproductive Endocrinology and Infertility*. Landes Biosciences Press. Austin TX. 2007.

Book Chapters

Roberts JM, Lewis V, Riemer RK: Hormonal control of uterine adrenergic response, in *Uterine Contractility*: Bottari S, Thomas JP, Vokaer A, Vokaer R Editors. Mason Publishing, New York, 1984

Lewis V: Bromocriptine and related compounds for ovulation induction in hyperprolactinemia, in *Ovulation Induction*: Collins R, editor. Springer-Verlag, New York City, 1991

Lewis V: Menopause and the climacteric, in *A Clinical Manual of Gynecology* (2nd Edition): Beckman CRB, Ling F, Ellis J, editors. Pergamon Press, 1992

Abramowicz JS, Lewis V.: Normal hysterosalpingography in *Imaging in Infertility and Reproductive Endocrinology*. Jaffe R and Pierson R editors, JB Lippincott. Philadelphia, 1994

Lewis V, Abramowicz JS: "Hysterosalpingography of the Abnormal Pelvis" in *Imaging in Infertility and Reproductive Endocrinology*: Jaffe R and Pierson R, editors. JB Lippincott, Philadelphia, 1994

Lewis V: Biology of early pregnancy loss in *Loss during pregnancy and the early newborn period*, Woods JR and Woods JE, editors, AL Janetti, New Jersey, 1997

Lewis V: Hyperprolactinemia in *Clinical Reproductive Medicine*, Cowan B, and Seifer D, editors. Lippincott-Raven. Philadelphia, 1997

Abramowicz J, Lewis V: Plain radiography and fluoroscopy in *Gynecologic Imaging*, Anderson JC, editor, Churchill-Livingstone, London 1999

Lewis V, Abramowicz J: Hysterosalpingography of the Fallopian Tubes in *Gynecologic Imaging*, Anderson JC, editor, Churchill-Livingstone, London 1999

Lewis V, Abramowicz J: Hysterosalpingography of the Endometrium in *Gynecologic Imaging*, Anderson JC, editor, Churchill-Livingstone, London 1999

Abramowicz J, Lewis V: "Hysterosalpingography of the Myometrium" in *Gynecologic Imaging*: Anderson JC, editor, Churchill-Livingstone, London 1999

Grady-Weliky T, Lewis V: Premenstrual syndrome in *Primary Care for Women*, 2nd edition: Leppert P, Hartmann D, editors. Lippincott, Philadelphia. 2004

Lewis V: Genetic screening of potential oocyte donors in *Donor oocyte IVF*. Allahbadia GN, editor. Jaypee Brothers Medical Press, New Delhi. 2009.

COMMUNITY SERVICE (selected)

Board of Governors. Hillside Family of Agencies. Rochester NY. 2015-2020

Board of Directors- WXXI (Public Broadcasting Station affiliate) 2012- 2015

Steering committee for strategic planning. National Susan B. Anthony Museum and House. 2014.

Girl Scouts of Western New York Breakfast Host Committee- 2013

Task force for health care careers for the deaf and hard of hearing community. 2010-2012. This was a partnership begun by the National Technical Institute for the Deaf at Rochester Institute of Technology, Gallaudet University, the National Center for Deaf Health Research at the University of Rochester Medical Center, and the Rochester General Health System.

United Way of Rochester, NY- Women's leadership council- 2011-2014

Planning committee (and speaker)- *Speaking of Women's Health*- daylong health information event for the public sponsored by local PBS station and various businesses, 2003-2004. Co-chair 2009-2010

Board of Directors, Harvard-Radcliffe Club of Rochester, 1998-2008, Vice president for schools and scholarships, 2000-2006

Editorial board- *Healthy Women* – Highland Hospital newsletter, 2006-2007

Board of Directors, Ferre Institute, an organization for the reproductive health education of women, (central and western New York), 1995-2002. Vice president, 2000-2002

Patient education talks and seminars in Rochester, Buffalo, Syracuse and Utica (Resolve of Western NY, Adoption Resource Network, Infertility Focus, Ferre Institute, Endometriosis Association of Rochester, and National Conference of Jewish Women, Lupus Foundation).

University of Rochester School of Medicine and Dentistry- Summer Urban Research Fellowship program for undergraduates interested in medical school (lecturer 1995-2010; mentor for summer student 1998)