

June 2016

**CURRICULUM VITAE**

PETER L. CHANG, M.D.

**PERSONAL INFORMATION:**

Name in Full: Peter L Chang, M.D., F.A.C.O.G.

Office Address: Noble Fertility Center  
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Citizenship: U.S.A.

Foreign Languages: Chinese, Portuguese, Spanish

**EDUCATION:**

Undergraduate: University of California, Los Angeles, CA,  
1988, BSc, Cybernetics

Medical School: University of Texas Health Science Center,  
San Antonio, TX, 1992, MD, Medicine

Internship: University of Texas Health Science Center,  
San Antonio, TX, July 1992-July 1993,  
Obstetrics and Gynecology

Residency: University of Texas Health Science Center,  
San Antonio, TX, July 1993-June 1996,  
Obstetrics and Gynecology

Fellowship: Columbia University, College of Physicians & Surgeons,  
New York, NY, July 1996-June 1998  
Reproductive, Endocrinology & Infertility

### **EDUCATION (Cont.):**

Academic Honors: Dean's Scholarship, 1988-1992,  
University of Texas Health Science Center,  
San Antonio, TX

Licensure: New York Medical License, 1996-present  
Connecticut Medical License, 2000-present  
DEA, 1996-present  
Texas Medical License, 1992 (retired)  
National Provider ID (NPI)  
Uniform Physician Identification Number (UPIN)

Board Certification: Board certified in Obstetrics & Gynecology, 2002  
Board certified in Reproductive Endocrinology, 2003

Additional Training: Basic Microsurgery Course, Orthopedic Microsurgery  
Laboratory, Columbia Presbyterian Medical Center,  
New York, NY, 1996.

### **PROFESSIONAL BACKGROUND:**

Research Assistant, Mark Taper Center for Health Enhancement, Education & Research,  
UCLA School of Medicine, Los Angeles, CA, 1984-1985.

Clinical Research Assistant, Department of Psychiatry and Biobehavioral Sciences,  
UCLA School of Medicine, Los Angeles, CA, 1985-1987.

Surgical Technician, human tissue transplant team, Karlan Memorial Tissue Bank,  
11847 Wilshire Blvd., Los Angeles, CA, 1987-1988.

Clinical Research Assistant, Division of Reproductive Medicine,  
Cedars-Sinai Medical Center, Los Angeles, CA, 1987-1988.

Clinical Research Assistant, Department of Obstetrics & Gynecology,  
University of Texas Health Science Center, San Antonio, TX, 1990-1992.

Attending in Obstetrics & Gynecology, Columbia-Presbyterian Medical Center,  
New York, NY, July 1996- June 1998.

Assistant Professor, Columbia University, College of Physicians & Surgeons,  
Department of Obstetrics & Gynecology, Division of Reproductive Endocrinology,  
New York, NY, July 1998 - September 2001.

## **PROFESSIONAL BACKGROUND (Cont.):**

Attending, Center for Women's Reproductive Health, Columbia University, College of Physicians & Surgeons, New York, NY, July 1998 - September 2001.

Director, Reproductive Endocrinology basic science laboratory, Columbia University, College of Physicians & Surgeons, Department of Obstetrics & Gynecology, New York, NY, July 1998 - September 2001.

Chief, Division of Reproductive Endocrinology, Department of Obstetrics & Gynecology, Beth Israel Medical Center, New York, NY, October 2001 - 2014.

Director, Beth Israel Center for Infertility, Phillips Ambulatory Care Center, New York, NY, October 2001 - 2014.

Assistant Professor of Obstetrics & Gynecology and Women's Health, Albert Einstein College of Medicine, Bronx, NY, July 2004 – 2014.

Assistant Clinical Professor of Obstetrics & Gynecology and Reproductive Science, Icahn School of Medicine at Mount Sinai, New York, NY, 2014 – present.

## **ADMINISTRATIVE RESPONSIBILITIES:**

Medical Ethics Committee of the Department of Obstetrics and Gynecology, Columbia University, College of Physicians & Surgeons, 1997-2001

Quality Assurance Director, Medical Office for Human Reproduction, 635 Madison Avenue, 10<sup>th</sup> Floor, New York, NY, 1998-1999

Resident lecture series in the Department of Obstetrics and Gynecology, Columbia University, College of Physicians & Surgeons, 1998-2001

Quality Assurance Director, Center for Women's Reproductive Health, Columbia University, New York, NY, 1999-2001

Resident Education Committee, Department of Obstetrics & Gynecology, Beth Israel Medical Center, New York, NY, 2001-2014

Resident Research Director, Department of Obstetrics & Gynecology, Beth Israel Medical Center, New York, NY 2002-2007

Formal vaginal sonography training course for Obstetrics & Gynecology residents, Department of Obstetrics & Gynecology, Mount Sinai Beth Israel Medical Center, New York, NY, 2008-2015

**ADMINISTRATIVE RESPONSIBILITIES (Cont.):**

Clinical Competency Committee, Department of Obstetrics & Gynecology, Beth Israel Medical Center, New York, NY, 2013-2014

**SOCIETY MEMBERSHIPS:**

American College of Obstetricians & Gynecologists, 1992  
American Society of Reproductive Medicine, 1996  
Society of Reproductive Endocrinologists, 1996  
Society for Gynecologic Investigation – Member 1999, Full Member 2005

**AD HOC REVIEWER:**

Fertility & Sterility

Human Reproduction

American Society for Reproductive Medicine's Program Committee Abstract Reviewer

Society for Gynecologic Investigations' Program Committee Abstract Reviewer

**MAJOR AREAS OF RESEARCH INTEREST:**

Translational research with emphasis in cellular and molecular biology as applied to problems in reproductive endocrinology and genetics.

Genetics of Premature Ovarian Failure.

Physiology and endocrinology of folliculogenesis arrest in Polycystic Ovary Syndrome.

Genetics of Male Infertility: Established a clinical laboratory for testing of Y chromosome microdeletion as a cause of male infertility (approved by The State of New York Department of Health).

## **RESEARCH GRANTS:**

1. Project: A case of failed natural selection: Y chromosome microdeletion in a father and four infertile sons.  
Office of Clinical Trials House Staff Award, Columbia University, NY, 1996-1997.  
(\$1,500)  
Principal Investigator.
2. Project: Do normal ovulatory women of normal weight with sonographic polycystic appearing ovaries have insulin resistance or glucose intolerance similar to women with polycystic ovary syndrome?  
ACOG / Parke-Davis Research Award to Advance the Management in Women's Health Care, 1997-1998.  
(\$20,000)  
Principal Investigator.
3. Project: 5 alpha-reductase activity in murine premature parturition.  
Office of Clinical Trials House Staff Award, Columbia University, NY, 1997-1998.  
(\$1,500)  
Principal Investigator.
4. Project: Stimulation with follicle stimulating hormone decreases 5-alpha reductase activity and rescues arrested small graafian follicles in women with polycystic ovary syndrome.  
Pilot Study Award, Office of Clinical Trials, Columbia University, NY, 1999-2000.  
(\$50,000)  
Principal Investigator.
5. Project: Phase I/II Placebo-Controlled Study of the Safety and Efficacy of Recombinant Human Relaxin in Subjects Undergoing an Egg Donation Cycle.  
RLIF.C.001. Connetics Corporation, 1999-2000.  
(\$70,000)  
Co-Investigator.
6. Project: Mutations of 'Deleted In Azoospermia Homologue' (DAZH) Gene: a New Basis for Premature Ovarian Failure in Humans?  
The Solvay-Joseph Mortola Grant, Society for Gynecologic Investigation  
2000-2001.  
(\$30,000)  
Principal Investigator.

## **AWARDS AND PRIZE PAPERS:**

1. The American Association of Gynecologic Laparoscopists Honorary Resident of “Special Excellence in Endoscopic Procedures” at University of Texas Health Science Center, San Antonio, TX, 1996.
2. Tap Award for best poster, “Measuring hCG in the absence of implantation using highly sensitive urinary assays for intact, beta-core, and free beta epitopes.” Presented at 45<sup>th</sup> Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, CA, April 1997 (\$2,000).
3. American College of Obstetricians & Gynecologists / Parke-Davis Research Award to Advance the Management in Women's Health Care, 1997-1998 (\$20,000).
4. “Normal ovulatory women with polycystic ovaries have hyperandrogenic pituitary-ovarian responses to gonadotropin releasing hormone-agonist (GnRH-a) testing.” 46<sup>th</sup> Annual Meeting of the Society for Gynecological Investigation, Atlanta, GA, March 1999, Plenary Slide Session lecture.
5. Pilot Study Award, Office of Clinical Trials, Columbia University, NY, 1999-2000, (\$50,000).
6. Y chromosome microdeletion in an azoospermic father and his four infertile sons. “Outstanding Contribution” in *Hum Reprod*.
7. The Solvay-Joseph Mortola Award, Society for Gynecologic Investigation, 2000-2001 (\$30,000).
8. Consumer's Research Council of America – “America's Top Obstetricians & Gynecologists” 2009 - present
9. New York Times' New York Super Doctors, 2009 - present
10. New York Metro Area's Top Doctors by *Castle Connolly Medical ltd.*, 2010 – present
11. CREOG Faculty Award for Excellence in Resident Education, Department of Obstetrics & Gynecology, Beth Israel Medical Center, New York, NY, 2010
12. U.S. News & World Report's "Top Doctors", 2011 - present
13. Top Reproductive Endocrinologists on the list of U.S. News & World Report's Top Doctors, 2011 - present
14. Top Obstetrician/Gynecologist in New York, NY, International Association of Obstetricians & Gynecologists, *The Leading physicians of the World*, 2016 - present

## **PUBLISHED RESEARCH PAPERS, PEER REVIEW:**

1. Rapkin AJ, Chang LC, Reading AE. Premenstrual syndrome: A double blind placebo controlled study of treatment with progesterone vaginal suppositories. *J Obstet Gynaecol* 1987;7:217-220.
2. Rapkin AJ, Edulwerth E, Chang LC, Reading AE, Mcquire MT, Su TP. Whole blood serotonin in premenstrual syndrome. *Obstet Gynecol* 1987;70:533-538.
3. Rapkin AJ, Chang LC, Reading AE. Comparison of retrospective and prospective assessment of premenstrual symptoms. *Psychol Reports* 1988;62:55-60.
4. Rapkin AJ, Buchman TD, Sutpkin MS, Chang LC, Reading AE. Platelet monoamine oxidase B activity in women with premenstrual syndrome. *Am J Obstet Gynecol* 1988;159:1536-1540.
5. Reading AE, Chang LC, Kerin JF. Psychological states and coping styles across an IVF treatment cycle. *J Reprod Infert Psychol* 1989;7:95-103.
6. Reading AE, Chang LC, Kerin JF. Attitudes and anxiety levels in women conceiving through in-vitro fertilization and gamete intrafallopian transfer. *Fertil Steril* 1989;52:95-99.
7. Rapkin AJ, Chang LC, Reading AE. Tryptophan loading test in premenstrual syndrome. *J Obstet Gynecol* 1989;10:140-144.
8. Rapkin AJ, Chang LC, Reading AE. Mood and cognitive style in premenstrual syndrome. *Obstet Gynecol* 1989;74:644-649.
9. Chang PL, Newton ER. Predictors of antibiotic prophylactic failure in post-cesarean endometritis. *Obstet Gynecol* 1992;80:117-122.
10. Sabella V, Chang PL, Eddy C. A technique for laparoscopic completion of vaginal hysterectomy. *Obstet Gynecol* 1996;87:465-467.
11. Tekmal RR, Burns WN, Rao DV, Montoya IA, Chang PL, Stoica G, Schenken RS. Regulation of rat granulosa cell alpha-inhibin expression by luteinizing hormone, estradiol, and progesterone. *Am J Obstet Gynecol* 1996;175:420-427.
12. Lindheim SR, Chang PL, Ditkoff EC, Sauer MV. Increases in serum progesterone after human chorionic gonadotropin are not predictive of cycle outcome during IVF-ET. *Asst Reprod Rev* 1997;7:134-136.
13. Lindheim SR, Chang PL, Ditkoff EC, Sauer MV. Utility of day 3 follicle stimulating hormone and estradiol in women with polycystic ovary syndrome undergoing ovarian hyperstimulation and intrauterine insemination. *Asst Reprod Rev* 1997;7:137-138.

**PUBLISHED RESEARCH PAPERS, PEER REVIEW (cont.):**

14. Chang PL, Mor E, Sauer MV. Evaluating the clinical utility of performing semen cultures prior to attempts at in-vitro fertilization. *Asst Reprod Rev* 1997;8:184-187.
15. Chang PL, Canfield RE, Ditkoff EC, O'Connor JF, Sauer MV. Measuring hCG in the absence of implantation using highly sensitive urinary assays for intact, beta-core, and free beta epitopes. *Fertil Steril* 1997;69:412-414.
16. Chang PL, Lindheim SR, Sauer MV. Screening oocyte donors for Cystic Fibrosis using multiplex PCR amplification of the CFTR gene from buccal cell DNA. *J Asst Reprod Genet* 1998;15:405-406.
17. Lindheim SR, Chang PL, Vidali A, Ferin M, Sauer MV. The utility of serum progesterone and inhibin A in monitoring unstimulated IVF-ET. *J Asst Reprod Genet* 1998;15:538-541.
18. Lindheim SR, Cohen MA, Chang PL, Sauer MV. Serum progesterone before and after human chorionic gonadotropin injection depends on the estradiol response to ovarian hyperstimulation during in vitro fertilization-embryo transfer cycles. *J Assist Reprod Genet* 1999;16:242-246.
19. Cohen MA, Chang PL, Uhler M, Legro R, Sauer MV, Lindheim SR. Reproductive outcome after sterilization reversal in women of advanced reproductive age. *J Assist Reprod Genet* 1999;16:402-404.
20. Chang PL, Sauer MV, Brown S. Y chromosome microdeletion in an azoospermic father and his four infertile sons. *Hum Reprod* 1999;14:2689-2694.
21. Chang PL, Lindheim SR, Lowre C, Ferin M, Gonzalez F, Berglund L, Carmina E, Sauer MV, Lobo RA. Normal ovulatory women with polycystic ovaries have hyperandrogenic pituitary-ovarian responses to gonadotropin releasing hormone-agonist testing. *J Clin Endocrinol Metab* 2000; 85:995-1000.
22. Lindheim SR, Sauer MV, Carmina E, Chang PL, Zimmerman R, Lobo RA. Circulating leptin levels during ovulation induction: relation to adiposity and ovarian morphology. *Fertil Steril* 2000;73:493-498.
23. Kierszenbaum AL, Rivkin E, Chang PL, Tres LL, Olsson CA. Galactosyl receptor, a cell surface C-type lectin of normal and tumoral prostate epithelial cells with binding affinity to endothelial cells. *Prostate* 2000;43:175-183.
24. Sauer MV and Chang PL. Posthumous reproduction in a human immunodeficiency virus-discordant couple. *Am J Obstet Gynecol* 2001;185:252-253.



**PUBLISHED RESEARCH PAPERS, PEER REVIEW (cont.):**

25. Peña JE, Chang PL, Chan L, Zeitoun K, Thornton MH, Sauer MV. Supraphysiologic estradiol levels do not affect oocyte and embryo quality in oocyte donation cycles. *Hum Reprod* 2001;17:83-87.
26. Sauer MV, Chang PL. Establishing a clinical program for human immunodeficiency virus 1-seropositive men to father seronegative children by means of in vitro fertilization with intracytoplasmic sperm injection. *Am J Obstet Gynecol* 2002; 186:627-633.
27. Chang PL, Zeitoun KM, Chan LK, Thornton MH, Sauer MV. GnRH antagonist in older IVF patients. Retrieval rates and clinical outcome. *J Reprod Med* 2002;47:253-258.
28. Pena LE, Klein J, Thornton M, Chang PL, Sauer MV. Successive pregnancies with delivery of two healthy infants in a couple who was discordant for human immunodeficiency virus infection. *Fertil Steril* 2002;78:421-423.
29. Pena LE, Chang PL, Thornton M, Sauer MV. Serum estradiol levels after 4 days of ovarian hyperstimulation in oocyte donors are predictive of embryo quality and clinical outcomes. *Gynecol Obstet Invest* 2002;54:207-212.
30. Seto-Young D, Leonardi O, Paliou M, Park A, Holcomb K, Salehi M, Chang P, Yih M, Rozenwaks Z, Poretsky L. Hormonally active nontransformed human ovarian cell culture from oophorectomy specimens: methods of development and initial characterization. *Horm Res* 2005;64:238-247.
31. Seto-Young D, Paliou M, Schlosser J, Avtanski D, Park A, Patel P, Holcomb K, Salehi M, Chang P, Poretsky L. Direct thiazolidinedione action in the human ovary: insulin-independent and insulin-sensitizing effects on steroidogenesis and insulin-like growth factor binding protein-1 production. *J Clin Endocrinol Metab* 2005;90:6099-6105.
32. Vrontikis A, Chang PL, Kovacs P, Lindheim SR. Antral follicle counts (AFC) predict ovarian response and pregnancy outcomes in oocyte donation cycles. *J Assist Reprod Genet* 2010;27:383-9.
33. Ju R, Perretta T, Chang PL. Large Intact Tubal Ectopic Pregnancy Removed via Laparoscopy. *The Female Patient* 2011;36:43-4.
34. Ju R, Chang PL, Buckley AP, Wang K. Comparison of Nintendo Wii and PlayStation2 for enhancing laparoscopic skills. *The Journal of the Society of Laparoendoscopic Surgeons* 2012;16:612-8. PMID:23484573

**PUBLISHED RESEARCH PAPERS, PEER REVIEW (cont.):**

35. Amagwul T, Chang PL, Hossain A, Tyner J, Rivers AL, Phelps JY. Preimplantation genetic diagnosis: a systematic review of litigation in the face of new technology. *Fertil Steril*, 2012;98:1277-82. PMID:22901852

**BOOK CHAPTERS:**

1. Chang PL, Sauer MV: Assisted Reproductive Techniques. In: Atlas of Gynecology (Stenchever M, Ed.), Reproductive Endocrinology volume 3 (Mishell DR, volume Ed.) Current Medicine, Philadelphia, PA, 1998.
2. Chang PL, Sauer MV: The Oocyte Donation Model: Lessons in Endometrial Receptivity. In: The Endometrium (Glasser S, Aplin J, Giudice LC, Tabibzadeh S, Eds.), Taylor & Francis, Independence, KY, 2002.

## **ABSTRACTS:**

1. Reading AE, Chang LC, Randle D, Meldrum DR, Judd HL. Psychological correlates of response to treatment of pain associated with endometriosis. Vth Annual Meeting of the World Congress on Pain, Hamburg, Germany, 1987.
2. Reading AE, Kerin JF, Chang LC. An evaluation of psychological processes over the course of IVF-ET. 44<sup>th</sup> Annual Meeting of the American Fertility Society, October 1988.
3. Reading AE, Chang LC, Stone B, Kerin JF. The stress of staffing an IVF-ET program. 44<sup>th</sup> Annual Meeting of the American Fertility Society, October 1988.
4. Rapkin AJ, Chang LC, Reading AE. Menstrual cycle variation in mood and cognitive processing in PMS and controls. 44<sup>th</sup> Annual Meeting of the American Fertility Society, October 1988.
5. Reading AE, Chang LC, Kerin JF. Anxiety levels and attitude ratings in relation to an in-vitro fertilization pregnancy. 45<sup>th</sup> Annual Meeting of the American Fertility Society, October 1989.
6. Newton ER, Chang PL. First generation B-lactam antibiotics and cesarean section prophylaxis. Annual Meeting of the Infectious Disease Society for Obstetrics and Gynecology, Hamilton, Bermuda, 1991.
7. Chang PL, Newton ER. Why do prophylactic antibiotics fail to prevent post-cesarean endometritis? Annual Meeting of the Infectious Disease Society for Obstetrics and Gynecology, Hamilton, Bermuda, 1991.
8. Witz CA, Chang PL, Montoya IA, Dey TD, Schenken RS. Characterization of resident lymphocyte subpopulations and T-cell activation in endometriosis. 41<sup>st</sup> Annual Meeting of the Society for Gynecologic Investigation, Chicago, IL, March 1994.
9. Rao-Tekmal R, Montoya I, Chang PL, Burns WN, Schenken RS. Ovarian steroids diminish gonadotropin stimulated granulosa cell alpha-inhibin expression. 41<sup>st</sup> Annual Meeting of the Society for Gynecologic Investigations, Chicago, IL, March 1994.
10. Chang PL, Langer O. Premature rupture of membranes at term: A randomized trial. 17<sup>th</sup> Annual Meeting for Society of Perinatal Obstetricians, Anaheim, CA, January 1997.

### **ABSTRACTS (cont.):**

11. Chang PL, Lindheim SR, Carmina E, Vidali A, Ferin M, Sauer MV, Lobo RA. Do normal ovulatory women of normal weight who have polycystic ovaries have features of polycystic ovary syndrome? 44<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, San Diego, CA, March 1997.
12. Chang PL, Canfield RE, Ditkoff EC, O'Connor JF, Sauer MV. Measuring hCG in the absence of implantation using highly sensitive urinary assays for intact, beta-core, and free beta epitopes. 45<sup>th</sup> Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, CA, April 1997. TAP Pharmaceutical Best Poster Award.
13. Chang PL, Yu S, Staudmauer LA, Uhler M, Legro R, Sauer MV, Lindheim SR. Reproductive outcome after tubal reversal in women of advanced reproductive age. 45<sup>th</sup> Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, CA, April 1997.
14. Chang PL, Lindheim SR, Tucker T, Blasingame J, Sauer MV. Obesity neither impacts adversely nor complicates IVF-ET. 45<sup>th</sup> Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, CA, April 1997.
15. Chang PL, Lindheim SR, Ditkoff EC, Sauer MV. Screening oocyte donors for Cystic Fibrosis using multiplex PCR amplification of CFTR gene from buccal cell DNA. 53<sup>rd</sup> Annual Meeting for the American Society of Reproductive Medicine, Cincinnati, OH, October 1997.
16. Lindheim SR, Chang PL, Ferin M, Lobo RA, Sauer MV. The utility of serum progesterone and inhibin A in monitoring unstimulated IVF-ET. 53<sup>rd</sup> Annual Meeting of the American Society for Reproductive Medicine, Cincinnati, OH, October 1997.
17. Lindheim SR, Chang PL, Ditkoff EC, Sauer MV. Hysterosonography for upper genital tract screening in recipients of donor oocytes. 53<sup>rd</sup> Annual Meeting of the American Society for Reproductive Medicine, Cincinnati, OH, October 1997.
18. Chang PL, Sauer MV, Fisch H, Brown S. A case of failed natural selection: Y chromosome microdeletion in a father and his four infertile sons. 45<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Atlanta, GA, March 1998.
19. Guglielminetti E, Chang PL, Vidali A, Prosser RW, Chan L, Lindheim SR, Sauer MS. Nitric oxide measurements are not reflective of abnormal parameters in semen analyses. 54<sup>th</sup> Annual Meeting of the American Society for Reproductive Medicine, San Francisco, CA, October 1998.

### **ABSTRACTS (cont.):**

20. Cohen MA, Chang PL, Lindheim SR, Sauer MV. Diminished bone density in menopausal women undergoing ovum donation. 54<sup>th</sup> Annual Meeting of the American Society for Reproductive Medicine, San Francisco, CA, October 1998.
21. Lindheim SR, Sauer MV, Chang PL, Cohen MA, Ferin M, Lobo RA. Comparing endocrine profiles of younger and older ovulatory women with polycystic appearing ovaries undergoing ovarian hyperstimulation. 46<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Atlanta, GA, March 1999.
22. Lindheim SR, Sauer MV, Carmina E, Zimmermann R, Chang PL, Lobo RA. Circulating leptin during ovulation induction has no relationship to adiposity and ovarian morphology. 46<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Atlanta, GA, March 1999.
23. Chang PL, Lindheim SR, Ferin M, Carmina E, Lowre C, Sauer MV, Lobo RA. Normal ovulatory women with polycystic ovaries have hyperandrogenic pituitary-ovarian responses to gonadotropin releasing hormone-agonist (GnRH-a) testing. 46<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Atlanta, GA, March 1999.
24. Kierszenbaum AL, Chang PL, Rivkin E, Bradu S, Tres LL, Olsson CA. Induced shedding of galactosyl receptor on prostate and mammary cancer cells as an approach to block hematogenous metastasis. 39<sup>th</sup> Annual Meeting of The American Society for Cell Biology, Washington, D.C., December 1999.
25. Chang PL, Vo T, Lindheim SR, Zeitoun K, Sauer MV. Supraphysiologic levels of estradiol have no adverse effects on oocyte and embryo quality in oocyte donation cycles. 47<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Chicago, IL, March 2000.
26. Chang PL, Tres LL, Rivkin E, Bradu S, Kierszenbaum AL. Galactosyl receptor expressed on mammary cancer cells plays a role in cell adhesion: potential use of synthetic ligands as an approach to prevent hematogenous metastasis. 47<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Chicago, IL, March 2000.
27. Zeitoun KM, Chang PL, Chan L, Ferin M, Thornton MH, Sauer MV. Use of GnRH-antagonist in poor responders results in improved clinical outcomes during IVF. 48<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Toronto, Ontario, Canada, March 2001.
28. Brown LY, Chang PL, Brown SA. Skewing of X chromosome inactivation in premature ovarian failure: a search for occult X chromosome abnormalities.

48<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Toronto, Ontario, Canada, March 2001.

**ABSTRACTS (cont.):**

29. Chang PL, Ruman J, Belikova N, Hong X, Robins D, Sauer MV, Lobo RA, Zeitoun K. 5 $\alpha$ -Reductase 1 and 2 enzyme expression and localization in human ovary. 49<sup>th</sup> Annual Meeting of the Society for Gynecologic Investigation, Los Angeles, CA, March 2002.
30. Pena JE, Klein J, Chang PL, Thornton M, Sauer MV. Preliminary experience offering oocyte donation to HIV-discordant couples. 15<sup>th</sup> Annual Meeting of Pacific Coast Reproductive Society, Rancho Mirage, CA, April 2002.
31. Seto-Young D, Salehi M, Chidakel A, Zajac J, Yih M, Chang P, Poretsky L. Initial characterization of a short-term human ovarian cell culture. 85<sup>th</sup> Annual Meeting of The Endocrine Society, Philadelphia, PA, June 2003.
32. Park A, Chang PL, Xiao E, Ferin M, Zeitoun KM. Successful prevention of endometriosis development in rhesus monkeys using anti-VEGF antibodies. 60<sup>th</sup> Annual Meeting of the American Society for Reproductive Medicine, Philadelphia, PA, October 2004.
33. Park A, Poretsky L, Chang PL, Holcomb K, Seto-Young D. Effects of rosiglitazone on human ovarian steroidogenesis and IGFBP-1 production in vitro. 52<sup>nd</sup> Annual Meeting of the Society for Gynecologic Investigation, Los Angeles, CA, March 2005.
34. Vrontikis A, Chang PL, Morales AJ, Lindheim SR. Do antral follicle counts (AFC) predict ovarian response and pregnancy outcomes in oocyte donation cycles? 65<sup>th</sup> Annual Meeting of the American Society for Reproductive Medicine, Atlanta, GA, October 2009.
35. Tsimis MS, Lipshutz R, Chang PL. Quantifying successful models of collaborative practice in maternity care between physicians and certified nurse midwives. The American Congress of Obstetricians and Gynecologists Annual Meeting, New York, NY, October 2011.
36. Ju R, Chang PL, Buckley AP and Wang K. Is Nintendo Wii<sup>TM</sup> a more suitable video game platform than Playstation2<sup>TM</sup> for enhancing laparoscopic skills? American Association of Laparoscopic Gynecologist 40th Global Congress on Minimally Invasive Gynecology, Hollywood, FL, November 2011.
37. Amagwul T, Chang PL, Hossain A, Tyner J, Rivers AL, Phelps JY. Legal risks of the implementation of preimplantation genetic diagnosis (PGD) in a human in vitro fertilization facility. 18<sup>th</sup> Annual Meeting of Texas Forum for Reproductive Sciences, Houston, TX, April 2012.

38. Ju R, Chang PL, Buckley AP and Wang K. Is Nintendo Wii™ a more suitable video game platform than Playstation2™ for enhancing laparoscopy skills? XX FIGO World Congress of Gynecology and Obstetrics, Rome, Italy, October 2012.

## **INVITED LECTURES:**

1. "Polycystic Ovary Syndrome." PolyCystic Ovarian Syndrome Association, Inc., New York, NY, April, 1998.  
Host: Beth Kushnick.
2. "Normal ovulatory women with polycystic ovaries have hyperandrogenic pituitary-ovarian responses to gonadotropin releasing hormone-agonist (GnRH-a) testing." 46<sup>th</sup> Annual Meeting of the Society for Gynecological Investigation, Atlanta, GA, March 1999, Plenary Slide Session lecture.  
Moderators: Dr. Eli Y. Adashi, Dr. Margaret K. McLaughlin, and Dr. Jennifer R. Niebyl.
3. "Normal ovulatory women with polycystic ovaries have hyperandrogenic pituitary-ovarian responses to gonadotropin releasing hormone-agonist (GnRH-a) testing." The Ulster Obstetrical and Gynaecological Society, New York, NY, March 1999.  
Moderators: Dr. Mark V. Sauer, Dr. Laxmi Baxi, Dr. Terry Mulholland, and Dr. Richard de Courcy-Wheeler.
4. "Microdeleted and Infertile Males." Grand Rounds at Center for Human Reproduction, Chicago, IL, May 1999.  
Host: Dr. Carolyn Coulam.
5. "Microdeleted and Infertile?" Reproductive Endocrinology Division lecture at the Jones Institute, Norfolk, VA, May 2001.  
Host: Dr. Sergio Oehninger.
6. "Case Presentation" Reproductive Endocrinology Division lecture at "Victories in Feminine Health", an Educational Seminar at Phillips Ambulatory Care Center, Beth Israel Medical Center, New York, NY, May 29, 2002.  
Host: Vagisil Women's Health Center.
7. "Methods of Ovulation Induction" Grand Rounds at Endocrinology Division, Beth Israel Medical Center, New York, NY, September 30, 2002.  
Host: Dr. Leonid Poretsky.