

UNIVERSITY OF PENNSYLVANIA SCHOOL OF MEDICINE
CURRICULUM VITAE

September, 2009

GEORGE COUKOS, MD, PhD

Office Address: University of Pennsylvania
Ovarian Cancer Research Center
Room 1315, Biomedical Research Building II/III
421 Curie Blvd.
Philadelphia, PA, 19104-6160
215-573-5016 ph, 215-573-5129 fax

Jordan Center for Gynecologic Cancer at Penn
Perelman Center for Advanced Medicine
34th & Civic Center Blvd, 3 West Pavilion
Philadelphia, PA, 19104
gcks@mail.med.upenn.edu

Citizen Status: Permanent Resident (effect. 7/02)

Education:

Oct. 1979-Oct. 1987 M.D. (Cum Laude)
University of Modena School of Medicine
Modena, Italy

Jan. 1986-Dec. 1990 Ph.D. in Reproductive Biology
Thesis: Placental Neuropeptides: GnRH and CRH
Department of Obstetrics and Gynecology
University of Patras School of Medicine
Patras, Greece

Postgraduate Training and Fellowship Appointments:

Jan. 1988-June 1991 Residency, Obstetrics and Gynecology (Cum Laude)
Department of Obstetrics and Gynecology
Hospital of the University of Modena, Modena, Italy

Jan. 1991-June 1993 Post-Doctoral Research Fellowship in Reproductive Cell Biology
Center for Research in Reproduction and Women's Health
University of Pennsylvania

June 1993-July 1994 Internship, Obstetrics and Gynecology
Department of Obstetrics and Gynecology
University of Pennsylvania Medical Center

July 1994-June 1997 Residency, Obstetrics and Gynecology
Department of Obstetrics and Gynecology
University of Pennsylvania Medical Center

July 1997- June 1998 Post-Doctoral Research Fellowship in Cancer Biology and Biologic Therapy
Thoracic Oncology and Gene Therapy Program
University of Pennsylvania

July 1997- June 2000 Fellowship, Gynecologic Oncology
Department of Obstetrics and Gynecology
University of Pennsylvania Medical Center

Military service: none

Faculty Appointments:

2000- 2004 Assistant Professor
Division of Gynecologic Oncology
Department of Obstetrics and Gynecology
University of Pennsylvania Medical Center

2004-2005 Cèlso Ramon Garcia Assistant Professor
Division of Gynecologic Oncology
Department of Obstetrics and Gynecology
University of Pennsylvania Medical Center

2006 - Present Cèlso Ramon Garcia Associate Professor
Division of Gynecologic Oncology
Department of Obstetrics and Gynecology
University of Pennsylvania Medical Center

Hospital and Administrative Appointments:

2000 - 2006 Director, Gynecologic Oncology Research
Center for Research on Women's Health and Reproduction
University of Pennsylvania Medical Center

Oct. 2000-Aug 2004 Director, Gynecology Service, Philadelphia VA Medical Center

2000-present Member, Center for Research on Women's Health and Reproduction,
University of Pennsylvania Medical Center, University of Pennsylvania, PA

2000-present Attending, Obstetrics and Gynecology, Division of Gynecologic Oncology,
Hospital of the University of Pennsylvania, Philadelphia, PA

2003-present Leader, Translational Research in Gynecologic Malignancy, Abramson Cancer
Research Institute, University of Pennsylvania Medical Center, Philadelphia, PA

Jan 2007 - Present Director, Ovarian Cancer Research Center
University of Pennsylvania Medical Center, Philadelphia, PA

Jan 2007 - Present Associate Chief, Division of Gynecologic Oncology
Department of Obstetrics and Gynecology
University of Pennsylvania Medical Center

2009-Present Administrative Director, The University of Pennsylvania
 FCCC-PENN SPORE in Ovarian Cancer

Specialty Certification:

1991 Italian Board of Obstetrics and Gynecology
 1992 ECFMG Certification
 2003 American Board of Obstetrics and Gynecology
 2004 American Board of Obstetrics and Gynecology, Gynecologic Oncology

Licensure: Pennsylvania

Awards, Honors and Membership in Honorary Societies:

1991-1993 Mellon Foundation Research Fellow
 1997 First Research Prize, Philadelphia Area Reproductive Endocrinology
 Society
 1997 Philip F. Williams Prize, District III American College of
 Obstetrics and Gynecology
 1998 Glaxo-Wellcome Oncology Clinical Research Scholar Award,
 American Association for Cancer Research
 1998 First Prize “Virus Vectors and Gene Therapy” Section,
 23rd International Herpes Virus Workshop
 2000 Basic Science Award, Berlex Foundation
 2000 American Association of Obstetricians and Gynecologists Foundations Scholar
 2001 Bristol-Myers Immunology-Oncology Award, Gynecologic Cancer Foundation
 2003 Liz Tilberis Award, Ovarian Cancer Research Fund
 2005 Greenfield Award for “Excellence in Ovarian Cancer Research”, Gynecologic
 Cancer Foundation
 2006 Judah Folkman Award, Alliance for Cancer Gene Therapy
 2006 Sir William Osler Award for Excellence in Patient Oriented Research,
 University of Pennsylvania
 2007 Crystal Ball Philadelphia Award for Research Achievements in Ovarian
 Cancer
 2007 National Ovarian Cancer Coalition (NOCC) Southern New Jersey Chapter

- Mimi Yurkow Courage Award
- In recognition of your dedication & support

 2002, 2007 & 2008 Sidney-Kimmel Scholar Award
 2008 New Jersey National Ovarian Cancer Coalition, Teal Magnolias
 2009 Angela Carlino Ovarian Cancer Research/Care Award, Sandy Rollman
 Foundation (2nd recipient ever to receive award)

Membership in Scientific Societies\Professional Organizations\Awards:

International:

International Society of Biological Therapy of Cancer (2004)
 Board of Directors (2006-present)
 Strategic Planning Committee (2006-present)
 Treasurer (2008-present)
 International Gynecologic Cancer Society (IGSC) (2000-present)

National Committees:

National Cancer Institute (2006-present)
 Gynecologic Cancer Steering Committee (2006-present)
 Ovarian Task Force (2006-present)
Society of Gynecologic Investigation (SGI) (2000-present)
Society of Gynecology Oncology (2000-present)
 Society of Gynecologic Oncologists Education Committee (2006-present)
American Association for Cancer Research (AACR) (1998-present)
American Association for the Advancement of Science (AAAS) (2004-present)
American Society of Gene Therapy (ASGT) (2004-present)
American Society of Clinical Oncology (ASCO) (2000-present)
 Organizer & Track Leader, Cancer Education Committee on the Tumor Biology Track
 (2009-present)
American Society of Obstetricians and Gynecologists (ACOG) (2000-present)
Translational Research Cancer Centers Consortium (TRC3) (2007-present)

Local Committees: None

Editorial Positions: **Associate Editor**

J Clinical Oncology (2006)
 J Translational Medicine (2006)
 Gynecologic Oncology (2006)

***Ad hoc* Reviewer**

Nature Cancer Reviews, Lancet Oncology, Blood, J Immunology, Cancer Research, Clinical Cancer Research, Cancer, Gene Therapy, Molecular Therapy, Human Gene Therapy, Cancer Letters, Cancer Investigation, Gynecologic Oncology, Obstetrics and Gynecology

Scientific Study Sections

National Institute of Health

 Reproductive Endocrinology (REM) Study Section, *ad hoc* reviewer 2003, 2004
 Basic Mechanisms of Cancer Therapeutics Study Section, Special Emphasis
 Panel, *ad hoc* reviewer 2004, 2005, 2006
 National Heart, Lung and Blood Institute, *ad hoc* reviewer 2004
 Tumor Microenvironment (TME) Study Section, *ad hoc* reviewer 2007

Department of Defense Ovarian Cancer Program 2005

Gynecologic Oncology Group

 Committee on Experimental Medicine (2004-2007)
 Committee on Developmental Therapeutics (2006-present).

External Advisory Committees: (2008-present)

 Stanford University, MD Anderson, WISTAR

Academic and Institutional Committees:

 Abramson Cancer Center Steering Committee (2007-present)
 Abramson Cancer Center Strategic Planning Committee (2007),

Major Academic and Clinical Teaching Responsibilities:

1. Attending, Clinical Teaching:
Gynecologic Oncology Service (OR), students, residents, fellows (2000-present)
Ambulatory Gyn Onco patient hours (2000-present)
In-patient rounds, residents and fellows (2000-present)
2. Preceptor, OG200 Core Clinical Clerkship, 2nd year medical students (2000-2007)
3. Research mentor, post-doctoral gyn onco fellows, heme-onco fellows (2000-present)
4. Mentor, Doris Duke Clinical Research Fellow, John Liao, 2007-2008.
5. Thesis mentor, graduate students (2000-present)
6. Lecturer, Cell and Molecular Biology Graduate Group, CAMB 610: Oncolytic Viral Therapy (2006-present)
7. Lecturer, "Frontiers in Cancer Pharmacology" for 4th year med students (2000-present)
8. Journal Club "Gyn Malignancies" for post-doc and clinical fellows (2000-present)
9. Member, Immunology Graduate Group (2006-present)

Lectures by Invitation: (past 5 years)

Oct, 2004	The National Ovarian Coalition; Screening and Early Detection of Ovarian Cancer. Philadelphia, PA.
Nov, 2004	Biomarkers form the Tumor Microenvironment; Are they Useful? The International Society of Biological Therapy of Cancer: San Francisco, CA.
Nov, 2004	Tumor-host Interactions in Ovarian Cancer. Dana Farber/Partners Cancer Center: Boston, MA, November.
Jan, 2005	Biomarkers from the Tumor Microenvironment in Ovarian Cancer. Gynecologic Oncology Group-Scientific Symposium 2005, San Diego, CA.
Apr, 2005	Novel Therapeutic Targets from the Tumor Microenvironment in Ovarian Cancer. Helene Harris Memorial Trust, Washington, DC.
May, 2005	Clinical Lessons and Therapeutic Opportunities from the Tumor Microenvironment in Ovarian Cancer. American Society of Clinical Oncology – Tumor Immunology Symposium: Orlando, FL.
Oct, 2005	Immunotherapy of Ovarian Cancer. The National Ovarian Coalition, Philadelphia, PA.
Nov, 2005	The tumor microenvironment regulates tumor angiogenesis and immune tolerance through common pathways - Lessons from ovarian cancer. University of Washington, Probstein Memorial Lecture, St. Lois, MO.
Feb, 2006	Thematic Special Lecture: The tumor microenvironment, immunity and ovarian cancer. Regional Cancer Center Consortium for Biological Therapy of Cancer, 9 th Annual Meeting, Pittsburgh, PA.
Feb, 2006	The tumor microenvironment, immunity and ovarian cancer. Magee-Women's Hospital, Pittsburgh, PA.
Feb, 2006	Genomic alterations edit the tumor microenvironment. How transformation leads to accelerated angiogenesis and immune tolerance. National Cancer Institute, Cancer Biology Branch, Bethesda, MD.

- Apr, 2006 Myeloid cells contribute to tumor vasculogenesis; mechanisms and discovery of novel markers. North American Vascular Biology Annual Meeting/ Experimental Biology 2006, San Francisco, CA.
- Apr, 2006 Vascular immunobiology of tumors. University of Chicago Cancer Research Center, Chicago, IL.
- May, 2006 Immune-vascular interactions in tumors - Lessons from ovarian cancer. British Columbia Cancer Agency/University of Vancouver, Vancouver, BC.
- July, 2006 Interim Workshop on Combinatorial Therapy: Immune-antiangiogenesis combinatorial therapy. The International Society of Biological Therapy of Cancer, Bethesda, MD.
- Oct, 2007 Ovarian Cancer Immunotherapy. Dana Farber Cancer Center Clinical and Basic Ovarian Cancer Research, Boston, MA.
- May, 2007 New developments in gynecologic cancer management at Penn. Warren Hospital, New Jersey.
- Feb, 2008 What have we learned from preclinical studies? Mt. Sinai School of Medicine Immunotherapy of ovarian cancer; New York, NY.
- Apr, 2008 Ovarian Cancer Immunotherapy. Beth Israel Deaconess Medical Center Grand Rounds Boston, MA.
- Sep, 2008 From Discovery to Drug Development: Open-sesame the endothelial (B) receptor mediates the tumor endothelial barrier to T-cell homing. Cancer Research Institute International Immunotherapy Symposium Cancer Immunology & Immunotherapy 2008, New York, NY.
- Sep, 2008 Fulfilling the Promise of Personalized Medicine miRNome Integrative analysis in ovarian cancer. American Association for Cancer Research Third International Conference on Molecular Diagnostics in Cancer Therapeutic Development, Philadelphia, PA.
- Nov, 2008 Immune Therapy for Ovarian Cancer: Are We Ready to Launch? Chemotherapy Foundation Symposium XXVI. Keynote Speaker to deliver Judah Folkman Memorial Lecture, New York, NY.
- Nov, 2008 Immunotherapy Ovarian Cancer, NCI Translational Science Meeting, Bethesda, MD.
- Dec, 2008 Tumor Immunology: New Perspectives. American Association for Cancer Research Special Conference in Cancer Research, Miami, FL.
- Jan, 2009 Mobilizing Cellular Immunity for Cancer Therapy. Keystone Conference, Snowbird, Utah.
- Feb, 2009 Beyond Chemotherapy Current and Future Molecular-Targeted Therapy in Ovarian Cancer. Symposium satellite to SGO Annual Meeting, San Antonio, TX.
- Feb, 2009 Cancer Immunotherapy: Tumor Microenvironment Traffic Lights. Johns Hopkins University Grand Rounds Baltimore, MD.
- Feb, 2009 Immunotherapy Ovarian Cancer. Weill Cornell Medical Grand Rounds, New York, NY.
- Mar, 2009 Tumor Microenvironment Regulation of Anti-Tumor Immune Response. Keynote Speaker, Mayo Clinic Clinical Oncology Society Seminar, Rochester, MN.
- Mar, 2009 Advances in Immune Therapy of Ovarian Cancer. Ovarian Symposium, New York, NY.

- Mar, 2009 Innovative Biological Therapies in Ovarian Cancer. 15th Pan-Hellenic Congress on Medical Oncology, Athens, Greece.
- Apr, 2009 Regulation of T cell homing to tumors. American Association of Cancer Research Annual Meeting, Denver, CO.
- May, 2009 Immune-gene Therapy Targeting the Tumor Vasculature. American Society of Gene Therapy 12th Annual Meeting, San Diego, CA.
- Jun, 2009 Innovative Strategies for Gynecologic Cancer Immunotherapy a future perspective: Tumor Microenvironment as barrier for effective immunotherapy. University Medical Center Groningen Symposium, Groningen, the Netherlands.
- Sept, 2009 Ovarian Cancer Update and Panel Discussion. Invited speaker, Bayhealth Oncology Symposium Series, Medical Society of Delaware, Dover, Delaware.
- Sept, 2009 Harnessing the immune system for ovarian cancer therapy. Invited speaker ECCO-15 and 34th ESMO Multidisciplinary Congress Berlin, Germany.
- Sept, 2009 Ovarian Cancer: Advanced Disease. Invited speaker, Robert F. Ozols Symposium on Gynecologic Cancers-The Next 25 Years, Fox Chase Cancer Center, Philadelphia Session.
- Sept, 2009 Vaccines in Gynecologic Cancer. Invited speaker SPORE/NCI Meeting, Philadelphia, PA.
- Oct, 2009 Increasing of Expectation for Immunotherapy-for the Establishment of Evidence. Keynote speaker, 47th Annual Meeting of the Japan Society of Clinical Oncology, Yokohama, Japan.
- Oct, 2009 Perspectives of Clinical Oncology-Towards the Future Ovary Education Session 2. Session speaker, 47th Annual Meeting of the Japan Society of Clinical Oncology, Yokohama, Japan.

Organizing Roles in Scientific Meetings & Sessions:

- Mar, 2004 Chair, Society of Gynecologic Investigation Annual Meeting: Workshop on Ovarian Cancer Immunology and Immunotherapy, Houston, TX.
- Oct, 2004 Co-chair, Cancer Biometrics Review. The International Society of Biological Therapy of Cancer's 19th Annual Meeting, San Francisco, CA.
- Oct, 2004 Co-chair, 3rd International Conference on Innate Immunity: Defensins – Systems Biology Approaches Session, Crete, Greece.
- Nov, 2004 Co-chair, The International Society of Biological Therapy of Cancer's 19th Annual Meeting: Tumor Biometrics Symposium, San Francisco, CA.
- Oct, 2005 Co-chair, 1st International Conference on Innate-Adaptive Immunity Crossroads: Tumor Immunology, Co-chair. Rhodes, Greece.

- Nov, 2005 Session Co-chair, Targeted Therapy. The International Society of Biological Therapy of Cancer, 20th Annual meeting, Alexandria, VA.
- Nov, 2005 Session Co-chair, Signal Transduction Inhibitors. The International Society of Biological Therapy of Cancer, 20th Annual meeting, Alexandria, VA.
- Jun, 2006 Chair, 1st International Ovarian Cancer Symposium – State of the Art and Future Directions, Crete, Greece.
- Nov, 2007 Organizer, Annual Meeting & Program Faculty. The International Society of Biological Therapy of Cancer 22nd Annual Meeting, Boston, MA.
- Nov, 2007 Co-chair Plenary sessions, Characterizing the host response to cancer. The International Society of Biological Therapy of Cancer 22nd Annual Meeting, Boston, MA
- Nov, 2007 Co-chair, breakout sessions, Angiogenesis & immunotherapy combinations. The International Society of Biological Therapy of Cancer 22nd Annual Meeting, Boston, MA.
- Apr, 2008 Chairperson, American Association Cancer Research Annual Meeting, Program Committee Immunology, San Diego.
- Jun, 2008 Chair, 2nd International Ovarian Cancer Symposium – State of the Art and Future Directions, Chair. Rhodes, Greece
- Oct, 2008 Co-chair, Abstract Session Cancer and Inflammation: Promise for Biological Therapy. The International Society of Biological Therapy of Cancer 23rd Annual Meeting, San Diego, CA.
- Mar, 2009 Co-organizer, 12th Annual Meeting of the Translational Research Cancer Centers Consortium (TRC3) Biologic Therapies for Cancer, Philadelphia, PA.
- Mar, 2009 Moderator Session, Cancer Biology & Targeted Therapeutics. 12th Annual Meeting of the Translational Research Cancer Centers Consortium (TRC3) Biologic Therapies for Cancer, Philadelphia, PA.
- Sept, 2009 Chair, Immune System and Ovarian Cancers Special Sessions, ECCO-15 (European Cancer Organisation) and 34th ESMO (European Society of Medical Oncology) Multidisciplinary Congress Berlin, Germany

Bibliography:

Research Publications, peer reviewed:

1. **G. Coukos**, A. Monzani, C. Saletti, F. Petraglia: Noradrenalin and Interleukin-1 Stimulate the Release of CRF from Cultured Human Placental Cells. *Medicina*, 8:441-442, 1988.
2. Volpe, **G. Coukos**, A. Barreca, P.G. Artini, F. Minuto, G. Giordano, A.R. Genazzani: Ovarian Response to Growth Hormone plus Gonadotropin Treatment in Patients Resistant to Induction of Superovulation. *Gynecol Endocrino*, 3:125-133, 1989.

3. F. Petraglia, **G. Coukos**, C. Battaglia, A. Bartolotti, A. Volpe, A. Segre, A.R. Genazzani: Plasma and Amniotic Fluid Immunoreactive Neuropeptide-Y Level Changes During Pregnancy, Labor, and at Parturition. *J Clin Endocrinol Metab*, 69: 324-328, 1989.
4. A.R. Genazzani, F. Petraglia, M. Silferi, A. Maietta-Latessa, **G. Coukos**, P.G. Artini, A. Volpe: Progestins Modulate the Action of Estrogens on the Gonadotropin-Releasing Hormone, Luteinizing Hormone, and Prolactin in the Rat. *Obstet Gynecol Invest*, 29: 197-202, 1990.
5. F. Petraglia, L. Giardino, **G. Coukos**, L. Calza', W. Vale, A.R. Genazzani: Corticotropin-Releasing Factor and Parturition. Plasma and Amniotic Fluid Levels and Placental Binding Sites. *Obstet Gynecol*, 75: 784-789, 1990.
6. A. Volpe, **G. Coukos**, P.G. Artini, M. Silferi, F. Petraglia, A.R. Genazzani: Pregnancy Following Combined Growth Hormone-Pulsatile GnRH Treatment in a Patient with Hypothalamic Amenorrhea. *Human Reprod*, 5: 345-347, 1990.
7. A. Volpe, **G. Coukos**, E. Uccelli, F. Droghini, R. Adamo, P.G. Artini : Follicular Fluid Lipoproteins in Preovulatory Period and their Relationship with Follicular Maturation and Progesterone Production by Human Granulosa-Luteal Cells In Vivo and In Vitro. *J Endocrinol Inves*, 14:737-742, 1991.
8. A. Volpe, **G. Coukos**, P.G. Artini, G. D'Ambrogio, M. Silferi, A.R. Genazzani: Follicular Fluid Steroid and Epidermal Growth Factor Content, and In Vitro Estrogen Release by Granulosa-Luteal Cells from Patients with Polycystic Ovaries in an IVF/ET Program. *Eur J Obstet Gynecol Reprod Biol*, 42(3):195-199, 1991.
9. A. Volpe, **G. Coukos**, A. Barreca, E. Uccelli, F. Minuto, P.G. Artini, A.R. Genazzani: Clinical Use of Growth Hormone-Releasing Factor for Induction of Superovulation. *Human Repro*, 6:1228-1232, 1991.
10. A. Volpe, R. Adamo, **G. Coukos**, P.G. Artini, G. D'Ambrogio, M. Silferi, A.R. Genazzani: Pregnancy Following Regression of Uterine Submucosal Leiomyoma with GnRH Therapy. *Eur J Obstet Gynecol Reprod Biol*, 39: 223-225, 1991.
11. F. Petraglia, **G. Coukos**, A. Volpe, A.R. Genazzani, W. Vale: Involvement of Placental Neurohormones in Human Parturition. *Ann N.Y. Acad Sci*, 622:331-340, 1991.
12. A. Volpe, P.G. Artini, A. Barreca, F. Minuto, **G. Coukos**, A.R. Genazzani: Effects of Growth Hormone Administration in Addition to Gonadotrophins in Normally Ovulating Women and Polycystic Ovary Syndrome (PCO) Patients. *Human Reprod*, 7:1347-1352, 1992.
13. A. Forabosco, M. Criscuolo, **G. Coukos**, E. Uccelli, R. Weinstein, S. Spinato, A. Botticelli, A. Volpe: Efficacy of Hormone Replacement Therapy in Postmenopausal Women with Oral Discomfort. *Oral Surg Oral Med Oral Pathol*, 73:570-574, 1992.
14. A. Volpe, P.G. Artini, **G. Coukos**, E. Uccelli, E. Marchini, A.R. Genazzani : Sperm Retrieval for Direct Intraperitoneal Insemination in a Diabetic with Retrograde Ejaculation: A Case Report. *J Reprod Med*, 37:219-220, 1992.

15. M. Gåvfels, **G. Coukos**, C. Coutifaris, R. Sayegh, D.K. Strickland, J.F. Strauss III: Regulated Expression of the Trophoblast alpha-2 Macroglobulin Receptor/Low Density Lipoprotein Receptor-Related Protein: Differentiation and cAMP Modulate Protein and mRNA Levels. *J Biol Chem*, 2647:21230-21234, 1992.
16. K.A. McGann, R. Collman, D.L. Kolson, F.Gonzalez-Scarano, **G. Coukos**, C. Coutifaris, J.F. Strauss III, N. Nathanson: Human Immunodeficiency Virus Type-1 Causes Productive Infection of Macrophages in Primary Placental Cell Cultures. *J Infect Dis*, 169:746-753, 1994.
17. N. Sakuragi, **G. Coukos**, E.E. Furth, M.P. Bronner, C.M. VanArsdale, J.C. Reed, J.F. Strauss III: Differentiation Dependent Expression of the BCL-2 Proto-Oncogene in the Human Trophoblast Lineage. *J Soc Gynecol Invest*, 1:164-172, 1994.
18. **G. Coukos**, M. Gåvfels, S. Wisel, E. Ruelaz, D.K. Strickland, J.F. Strauss III, C. Coutifaris: Expression of α 2-Macroglobulin Receptor/Low Density Lipoprotein Receptor-Related Protein and the 39-kDa Receptor Associated Protein in Human Trophoblast. *Am J Pathol*, 144:383-392, 1994.
19. A. Omigbodun, **G. Coukos**, P. Ziolkewicz, C.-L. Wang, C. Coutifaris: Macrophage-Colony Stimulating Factor (M-CSF) Regulates the Expression of Fibronectin and its α 5 Integrin Receptor in Human Trophoblasts. *Endocrinology*, 139:2190-2193, 1998.
20. **G. Coukos**, K. Amin, A. Makrigiannakis, S. Albelda, C. Coutifaris: Human Implantation: Platelet-Endothelial Cell Adhesion Molecule-1 (PECAM-1) is Expressed by a Subset of Human Trophoblasts and May Mediate the Interaction with the Endothelium. *Molec Human Reprod*, 4:357-367, 1998.
21. A. Makrigiannakis, **G. Coukos**, M. Christofidou-Solomidou, B. Gour, G. Radice, O. Blashuck, C. Coutifaris: N-Cadherin-Mediated Human Granulosa Cell Adhesion Prevents Apoptosis: A Role in Follicular Atresia and Luteolysis. *Am. J. Pathol*, 154:1391-1406, 1999.
22. **G. Coukos**, A. Makrigiannakis, E.H. Kang, D. Capparelli, I. Benjamin, L.R. Kaiser, S.C. Rubin, S.M. Albelda, K.L. Molnar-Kimber: Use of Carrier Cells to Deliver a Replication-Selective Herpes Simplex Virus-1 Mutant for the Intraperitoneal Therapy of Epithelial Ovarian Cancer. *Clin Cancer Res*, 5:1523-1537, 1999.
23. E. Lambright, D. Caparrelli, A.E. Abbas, T. Toyozumi, G. Coukos, K.L. Molnar-Kimber, L.R. Kaiser: Oncolytic Therapy Using a Mutant Type-1 Herpes Simplex Virus and the Role of the Immune System. *Ann Thor Surgery* 68:1756-1760, 1999.
24. **G. Coukos**, A. Makrigiannakis, J. Chung, T. Randall, S.C. Rubin, I. Benjamin: Complete Hydatidiform Mole: A Disease Changing Profile. *J Reprod Med*, 44:698-704, 1999.
25. T.C. Randall, **G. Coukos**, J.E. Wheeler, S.C. Rubin: Prolonged Remission after Chemotherapy for Recurrent, Metastatic Placental Site Trophoblastic Tumor. *Gynecol. Oncol*, 76:115-117, 2000.
26. A. Makrigiannakis, K. Amin, **G. Coukos**, J.L. Tilly, C. Coutifaris: Regulated expression and potential roles of p53 and Wilms' tumor suppressor gene (WT1) during follicular development in the human ovary. *J. Clin. Endocrinol. Metab*, 85:449-459, 2000.

27. E. Daiter, A. Makrigiannakis, **G. Coukos**, M. J. Woolkalis, C. Coutifaris: Inhibitory G Protein Alpha Subunit (Gi α) Expression and Localization During Human Trophoblast Differentiation in Vitro. *Eur. J. Obstet. Gynecol. Reprod. Biol.*, 88:165-169, 2000.
28. A. Makrigiannakis, **G. Coukos**, O. Blaschuk, C. Coutifaris: Follicular atresia and luteolysis. Evidence of a role for N-cadherin. *Ann. N.Y. Acad. Sci.*, 900:46-55, 2000.
29. A. Makrigiannakis, **G. Coukos**, M. Christofidou-Solomidou, S. Montas, C. Coutifaris: Progesterone is an Autocrine/Paracrine Regulator of Human Granulosa Cell Survival in Vitro *Ann. N.Y. Acad. Sci.*, 900:16-25, 2000.
30. **G. Coukos**, A. Makrigiannakis, S. Montas, L.R. Kaiser, I. Benjamin, S.M. Albelda, S.C. Rubin, K.L. Molnar-Kimber: Multi-Attenuated Herpes Simplex Virus-1 Mutant G207 Exerts Cytotoxicity Against Epithelial Ovarian Cancer but not Normal Mesothelium, and is Suitable for Intraperitoneal Oncolytic Therapy. *Cancer Gene Ther.*, 7:275-283, 2000.
31. **G. Coukos**, A. Magrikiannakis, E. Kang, L.R. Kaiser, S.M. Albelda, S.C. Rubin, K.L. Molnar-Kimber: Oncolytic Herpes Simplex Virus-1 Lacking ICP34.5- Induces p53-Independent Death and is Efficacious in Chemotherapy-Resistant Ovarian Cancer. *Clin. Cancer Res.*, 6:3342-3353, 2000.
32. E.Y. Woo, C.S. Chu, T.J. Goletz, K Schlienger, H. Yeh, **G. Coukos**, S. C. Rubin, L.R. Kaiser, C.H. June: Regulatory CD4⁺ CD25⁺ T Cells in Tumors from Patients with Early-stage Non-small Cell Lung Cancer and Late-stage Ovarian Cancer. *Cancer Res*, 61:4766-4772 2001.
33. A. Makrigiannakis, S. Kalantaridou, E. Zoumakis, **G. Coukos**, C. Coutifaris, K. Rice, A.N. Margioris, A. Gravanis, G. Chrousos: Corticotropin-releasing Hormone (CRH) Promotes Blastocyst Implantation and Early Maternal Tolerance. *Nature Immunol*, 2:1018-1024, 2001.
34. A. Makrigiannakis, **G. Coukos**, A. Mantani, P. Prokopakis, G. Trew, R. Margara, R. Winston, J. White: Expression of Wilms' Tumor Suppressor Gene (WT1) in Human Endometrium: Regulation through Decidual Differentiation. *J. Clin. Endocrinol. Metab*, 86:5964-5972, 2001.
35. S.V. Blank, S.C. Rubin, **G. Coukos**, K.M. Amin, S.M. Albelda, K.L. Molnar-Kimber: Replication Selective Herpes Simplex Virus-1 Mutant Therapy of Cervical Cancer is Enhanced by Low Dose Radiation. *Human Gene Ther.*, 13:627-639, 2002.
36. L. Zhang, J.R. Conejo-Garcia, N. Yang, W. Huang, A. Mohamed-Hadley, W. Yao, F. Benencia, **G. Coukos**: Different Effects of Glucose Starvation on Expression and Stability of VEGF mRNA Isoforms in Murine Ovarian Cancer Cells. *Biophys Biochem Res Commun*, 292, 860-868, 2002.
37. L. Zhang, N. Yang, J-R. Conejo-Garcia, A. Mohamed-Hadley, F. Benencia, S.C. Rubin, D. Allman, **G. Coukos**: Generation of a Syngeneic Mouse Model to Study the Effects of Vascular Endothelial Growth Factor in Ovarian Carcinoma. *Am J Pathol*, 161:2295-2309, 2002.
38. K. Schlienger, C.S. Chu, E.Y. Woo, P. Rivers, A.J. Toll, B. Hudson, M.V. Maus, J.L. Riley, Y. Choi, **G. Coukos**, L.R. Kaiser, S. C. Rubin, B.L. Levine, R.G. Carroll, C.H. June: TRANCE and CD40L-matured Dendritic Cells Reveal MHC Class-I Restricted T cells Specific for Autologous Tumor in Late-Stage Ovarian Cancer Patients. *Clin Cancer Res*, 9:1517-1527, 2003.

39. L. Zhang, N. Yang, J.R. Conejo-Garcia, D. Katsaros, A. Mohamed-Hadley, S. Fracchioli, K. Schlienger, A. Toll, B. Levine, S.C. Rubin, **G. Coukos**: Expression of Endocrine Gland-derived Vascular Endothelial Growth Factor (EG-VEGF) in Ovarian Carcinoma. *Clin Cancer Res*, 9(1):264-272, 2003.
40. L. Zhang, J.R. Conejo-Garcia, D. Katsaros, M. P.A. Gimotty, M. Massobrio, G. Regnani, A. Makrigiannakis, H. Gray, K Schlienger, M. Liebman, S.C. Rubin, **G. Coukos**: Intratumoral T cells, Recurrence and Survival in Epithelial Ovarian Cancer. *New Engl J Med*, 348(3):203-213, 2003.
- T. Boon, N. Van Baren: Immunosurveillance against cancer and immunotherapy--synergy or antagonism? *N Engl J Med* 348:252-254, 2003 [Editorial comment on L. Zhang...**G. Coukos**, *New Engl J Med*, 348:201-211, 2003.
41. L. Zhang, N. Yang, A. Mohamed-Hadley, S.C. Rubin, **G. Coukos**: Vector-based RNAi, a Novel Tool for Isoform-specific Knock-down of VEGF and Anti-angiogenesis Gene Therapy of Cancer. *Biophys Biochem Res Commun*, 303:1169-1178, 2003.
42. L. Zhang, N. Yang, J.-W. Park, D. Katsaros, S. Fracchioli, A. O'Brien-Jenkins, T.C. Randall, J.-R. Conejo-Garcia, S.C. Rubin, **G. Coukos**: Tumor-derived VEGF Upregulates Angiopoietin-2 in Host Endothelium and Destabilizes Host Vasculature, Supporting Angiogenesis in Ovarian Cancer. *Cancer Res*, 15:3403-3412, 2003.
43. L. Zhang, N. Yang, W. Wang, D. Katsaros, A. A. Mohamed-Hadley, S.C. Rubin, **G. Coukos**: The Oncogene Phosphatidyl Inositol Kinase-3 Alpha Subunit Promotes Angiogenesis in Ovarian Carcinoma via VEGF. *Cancer Res*, 63:4225-4231, 2003.
44. J.R. Conejo-Garcia, F. Benencia, M.C. Courreges, E. Khang, L. Zhang, A. Mohamed-Hadley, J. Vinocur, R.J. Buckanovich, C.B. Thompson, B. Levine, **G. Coukos**: LETAL, a tumor-associated NKG2D immunoreceptor ligand, induces costimulatory expansion of immune effector cells. *Cancer Biol Ther*, 2:446-451, 2003.
45. J.D. Wulfkuhle, J.A. Aquino, V.S. Calvert, D.A. Fishman, **G. Coukos**, L.A. Liotta, E.F. Petricoin 3rd: Signal pathway profiling of ovarian cancer from human tissue specimens using reverse-phase protein microarrays. *Proteomics*, 3:2085-2090, 2003.
46. J.R. Conejo-Garcia, F. Benencia, M.C. Courreges, P.A. Gimotty, E. Khang, R.J. Buckanovich, K.A. Frauwirth, L. Zhang, D. Katsaros, K. Sclienger, C.B. Thompson, B. Levine, **G. Coukos**: LETAL promotes the survival and induces expansion of CD28(-) antitumor T cells through the NKG2D immunoreceptor in ovarian carcinoma. *Cancer Res*, 64:2175-2182, 2004.
47. J.R. Conejo-Garcia, F. Benencia, M.C. Courreges, E. Kang, A. Mohamed-Hadley, R.J. Buckanovich, D. Holtz, A. Jenkins, H. Na, L. Zhang, D.S. Wagner, D. Katsaros, R. Caroll, **G. Coukos**: Tumor-infiltrating dendritic cell precursors recruited by beta-defensin contribute to vasculogenesis under the influence of VEGF. *Nature Medicine*, 10:950-958, 2004.

Minton K. Dendritic Cells, Guess Who. *Nature Rev Immunol* 4: September 2004. [Editorial comment on J.R. Conejo-Garcia, et al, *Nature Med.*, 10(9):950-958, 2004].

R. Tuma Research Roundup: Dendritic Cells Turn Traitorous. *J. Cell Biol*, September 2004. [Editorial comment on J.R. Conejo-Garcia, et al, *Nature Med.*, 10(9):950-958, 2004].

48. T.J. Curiel, **G. Coukos**, L. Zou, X. Alvarez, P. Cheng, P. Mottram, M. Evdemon-Hogan, J.R. Conejo-Garcia, L. Zhang, M. Burow, Y. Zhu, S. Wei, I. Kryczek, B. Daniel, A. Gordon, L. Myers, A. Lackner, M.L. Disis, K. Knuston, L. Chen, W. Zou: Specific recruitment of regulatory T cells in ovarian carcinoma fosters immune privilege and predicts reduced survival. *Nat Med*, 10:942-949, 2004.
- E.M. Shevach: Fatal attraction: tumors beckon regulatory T cells. *Nat Med*, 10: 900-1, 2004. [Editorial article on Curiel, **Coukos** et al, *Nature Medicine*, 10:942-949, 2004].
49. L. Zhang, N. Yang, C. Vezzani, S. Liang, A. Barchetti, J. Wang, S.C. Rubin, A. O'Brien-Jenkins, **G. Coukos**: RNA interference, a potential strategy for isoform-specific phosphatidylinositol 3-kinase targeted therapy in ovarian cancer. *Cancer Biol Ther*, 15(3):1283-1289, 2004.
50. J.R. Conejo-Garcia, R.J. Buckanovich, F. Benencia, M.C. Courreges, R.G. Carroll, **G. Coukos**: Vascular Leukocytes Contribute to Ovarian Tumor Vascularization. *Blood*, 105:679-681, 2005.
51. L. Zhang, N. Yang, R.J. Buckanovich, J. Huang, S. Liang, C. Vezzani, A. O'Brien-Jenkins, J. Wang, M. Renee Gerrero, M. C. Courreges, S. Fracchioli, A. Medina, D. Katsaros, B. L Weber, **G. Coukos**: Transcriptional Coactivator, Drosophila *Eyes Absent Homolog 2* (*Eya2*), is Upregulated in Human Epithelial Ovarian Cancer and Promotes Tumor Growth. *Cancer Res*. 65:925-932, 2005.
52. C. Coutifaris, A. Omigbodun, **G. Coukos**: The fibronectin receptor alpha5 integrin subunit is upregulated by cell-cell adhesion via a cyclic AMP-dependent mechanism: implications for human trophoblast migration. *Am J Obstet Gynecol.*, 192:1240-1253, 2005.
53. F. Benencia, M.C. Courrèges, J.R. Conejo-García, N. Fraser, **G. Coukos**: HSV oncolytic therapy upregulates interferon-inducible chemokines and recruits immune effector cells in ovarian cancer. *Molec Ther*, 12:789-802 2005.
54. M.T. Lotze , E. Wang, F.M. Marincola, N. Hanna, P.J. Bugelski, C.A. Burns, **G. Coukos**, J.N. Weinstein, T.L. Whiteside: Workshop on Cancer Biometrics: Identifying Biomarkers and Surrogates of Cancer in Patients: A Meeting Held at the Masur Auditorium, National Institutes of Health. *J. Immunother.*, 28:79-119, 2005.
55. F. Benencia, M.C. Courrèges, J.R. Conejo-García, R.J. Buckanovich, L. Zhang, R.G. Carroll, M.A. Morgan, **G. Coukos**: Oncolytic HSV Exerts Direct Antiangiogenic Activity in Ovarian Carcinoma. *Human Gene Ther*, 16:765-778, 2005.
56. F. Benencia, **G. Coukos**: T regulatory cell depletion can boost DC-based vaccines. *Cancer Biol Ther*, 4:628-630, 2005.
57. M.C. Courrèges, F. Benencia, J.R. Conejo-García, L. Zhang, **G. Coukos**: Preparation of apoptotic tumor cells with replication-incompetent HSV augments the efficacy of dendritic cell vaccines. *Cancer Gene Ther.*, 13:182–193, 2006.
58. R.J. Buckanovich, D. Sasaroli, A. O'Brien-Jenkins, J. Botbyl, J.R. Conejo-Garcia, F. Benencia, L.A. Liotta, P.A. Gimotty, **G. Coukos**: Use of Immuno-LCM to Identify the in Situ Expression Profile of Cellular Constituents of the Tumor Microenvironment. *Cancer Biol Ther*, 5(6):635-642, 2006.
59. L. Zhang, J. Huang, N. Yang, L. Shun, A. Barchetti, A. Giannakakis, M. Massobrio, A. O'Brien-Jenkins, D. Katsaros, R. Butzow, P. Gimotty, B.L. Weber, **G. Coukos**: Integrative genomic analysis

- of protein kinase C family identifies PKC ζ as a biomarker and potential oncogene in ovarian carcinoma. *Cancer Res*, 66:4627-4635, 2006.
60. R. Savani, G. Cao, M. Fehrenbach, C. Lyons, L. Zhang, **G. Coukos**, H.M. DeLisser: Involvement of endothelial CD44 during in vivo angiogenesis. *Am J Pathol*, 69(1):325-336, 2006.
 61. L. Zhang, J. Huang, N. Yang, J. Greshock, M.S. Megraw, S. Liang, T.L. Naylor, A. Barchetti, M. Renee Ward, G. Yao, A. Medina, A. O'Brien-Jenkins, D. Katsaros, A. Hatzigeorgiou, P.A. Gimotty, B.L. Weber, **G. Coukos**: MicroRNAs and their regulatory genes exhibit high frequency genomic alterations in human epithelial cancers. *Proc Natl Acad Sci USA*, 103(24):9136-9141, 2006.
 62. F. Benencia, M.C. Courrèges, J.R. Conejo-García, A. Mohamed-Hadley, **G. Coukos**: Direct vaccination with tumor cells killed by replication-incompetent HSVd120 elicits effective antitumor immunity. *Cancer Biol Ther*, 5(7):867-874, 2006.
 63. V. Espina, J.D. Wulfkühle, V.S. Calvert, A. VanMeter, W. Zhou, **G. Coukos**, D.H. Geho, E.F. Petricoin, L.A. Liotta: Laser-capture microdissection. *Nature Protoc*, 1: 586-603, 2006.
 64. D.H. Serman, C.T. Gillespie, R.G. Carroll, C.M. Coughlin, E.M. Lord, J. Sun, A. Haas, A. Recio, L.R. Kaiser, **G. Coukos**, C.H. June, S.M. Albelda, R.H. Vonderheide: Interferon- β gene therapy and the induction of anti-tumor T lymphocytes in a patient with ovarian cancer. *Nature Pract Clin Oncol*, 3(11):633-639, 2006.
 65. J. Rüter, B.G. Barnett, I. Kryczek, **G. Coukos**, W. Zou, T.J. Curiel: Depleting T regulatory cells as cancer immunotherapy. *Expert Rev Dermatol*, 1: 589-597, 2006.
 66. L. Zhang, **G. Coukos**: MicroRNAs: A New Insight into Cancer Genome. *Cell Cycle*. 5(19):2216-2219, 2006.
 67. C.F. Hung, Y.C. Tsai, L. He, **G. Coukos**, I. Fodor, H. Levitsky, T.C. Wu: Vaccinia virus preferentially infects and controls established human and murine ovarian tumors in mice. *Gene Ther*, 14(1):20-29, 2007.
 68. R.J. Buckanovich, D. Sasaroli, J. Botbyl, F. Benencia, A. O'Brien-Jenkins, G. Danet-Desnoyers, D. Katsaros, L.A. Liotta, P.A. Gimotty, **G. Coukos**: Tumor vasculature proteins as biomarkers in ovarian cancer. *J Clin Oncol*, 25(7):852-861, 2007.
 69. B.J. Czerniecki, G.K. Koski, U. Koldovsky, S. Xu, R. Mick, H. Nisenbaum, T. Pasha, K.R. Fox, S. Weinstein, S.G. Orel, R. Vonderheide, **G. Coukos**, A. DeMichele, M. Xu, L. Araujo, F.R. Spitz, M. Rosen, P.A. Cohen, B. Levine, C. June, P. Zhang: Induction of Lymphocytic Infiltrates, Humoral Immunity, and Tumor Immunoediting in Women with Early Breast Cancer Following HER-2/neu Pulsed-Dendritic Cell Vaccines. *Cancer Res*, 67(4):1842-1852, 2007.
 70. **G. Coukos**, J.R. Conejo-Garcia, R. Buckanovich, F. Benencia: Vascular leukocytes: a population with angiogenic and immunosuppressive properties highly represented in ovarian cancer. *Adv Exp Med Biol*, 590:185-193, 2007.
 71. J. Greshock, K. Nathanson, A.M. Martin, L. Zhang, **G. Coukos**, B.L. Weber, T. Z. Zaks: Cancer cell lines as genetic models of their parent histology: analyses based on array comparative genomic hybridization. *Cancer Res*, 67(8):3594-3600, 2007.

72. A. Rolaki, **G. Coukos**, D. Loutradis, H.M. DeLisser, C. Coutifaris, A. Makrigiannakis: Luteogenic hormones act through a vascular endothelial growth factor-dependent mechanism to up-regulate alpha 5 beta 1 and alpha v beta 3 integrins, promoting the migration and survival of human luteinized granulosa cells. *Am J Pathol*, 170(5):1561-1572, 2007.
73. **G. Coukos**: Monocytes TIE(2)d up in Murky Business. *Blood*, 109:5076, 2007. (Comment on Venneri et al, 109:5276-5285).
74. I. Kryczek, S. Wei, G. Zhu, L. Myers, P. Mottram, P. Cheng, L. Chen, **G. Coukos**, W. Zou: Relationship between B7-H4, Regulatory T Cells, and Patient Outcome in Human Ovarian Carcinoma. *Cancer Res*, 67(18):8900-8905, 2007.
75. L. Zhang, J. Huang, N. Yang, S. Liang, J. Greshock, A. Giannakakis, N. Poulos, A. Barchetti, A. O'Brien-Jenkins, D. Katsaros, R. Butzow, B.L. Weber, **G. Coukos**: Integrative Genomic Analysis of Phosphatidylinositol 3'-Kinase Family Identifies PIK3R3 as a Potential Oncogene in Epithelial Ovarian Cancer. *Clin Cancer Res*. 13(18):5314-5321, 2007.
76. A. Giannakakis, **G. Coukos**, A. Hatzigeorgiou, R. Sandaltzopoulos, L. Zhang: miRNA genetic alterations in human cancers. *Expert Opinion Biol Ther*, 7(9):1375-1386, 2007.
77. P. A. Gimotty, L. Zhang, I. Alagkiozidis, S. Kim, M. Cadungog, S. Adams, C.S. Chu, D. Katsaros, **G. Coukos**: Immune Prognostic Factors in Ovarian Cancer: Lessons from Translational Research. *Disease Markers*, 23(5-6):445-452, 2007.
78. R.J. Buckanovich, A. Facciabene, S. Kim, F. Benencia, D. Sasaroli, K. Balint, D. Katsaros, A. O'Brien-Jenkins, P.A. Gimotty, **G. Coukos**: Endothelin (B) Receptor Mediates the Endothelial Barrier to T-cell Homing to Tumors and Disables Tumor Immune Therapy. *Nat Med*, 14(1):28-36, 2008.
- M.H. Kershaw. Opening the gateway to tumors. *Nature Med*, 14(1):13-4, 2008.
- L. Bird. Tumour immunotherapy: Little pig, little pig, let me come in. *Nature Rev Immunol*, 8(2):90, 2008.
- R Vile, M Gold: Must Read, Commentary. Faculty of 1000 Biology Jan, 2008.
79. A. Giannakakis, R. Sandaltzopoulos, J. Greshock, S. Liang, J. Huang, K. Hasegawa, C. Li, D. Katsaros, B.L. Weber, C. Simon, **G. Coukos**, L. Zhang: miR-210 Links Hypoxia with Cell Cycle Regulation and Is Deleted in Human Epithelial Ovarian Cancer. *Cancer Biol Ther*, 7(2):255-264, 2008.
80. N. Yang, **G. Coukos**, L. Zhang : MicroRNA Epigenetic Alterations in Human Cancer: One Step Forward in Diagnosis and Treatment. *Int J Cancer*, 122(5):963-968, 2008.
81. D.O. Holtz, R.T. Krafty, L. Zhang, I. Alagkiozidis, B. Leiby, W. Guo, P.A. Gimotty, **G. Coukos**: Should tumor VEGF Expression Influence Decisions on Combining Metronomic Chemotherapy with Antiangiogenic Therapy? Preclinical Modeling in Ovarian Cancer. *J Transl Med*, 6 : (2):1-10, 2008. PMID: PMC2235830
82. Q. Huang, K. Gumireddy, M. Schrier, C. le Sage, R. Nagel, S. Nair, D.A. Egan, A. Li, G. Huang, A.J. Klein-Szanto, P.A. Gimotty, D. Katsaros, **G. Coukos**, L. Zhang, E. Puré, and R. Agami: The

- microRNAs miR-373 and miR-520C promote tumor migration, invasion and Metastasis. *Nature Cell Biol*, 10(2):202-210, 2008.
83. L. Zhang, S. Volinia, T. Bonome, G.A. Calin, N. Yang, V. Atlamazoglou, C-G. Liu, A. Giannakakis, J. Greshock, K. Hasegawa, C.N. Johnstone, H. Lassus, J. Huang, M.S. Megraw, T. Thireou, S. Liang, S. Kim, A. Leminen, R. Sandaltzopoulos, Y. Naomoto, D. Katsaros, P.A. Gimotty, Q. Huang, R. Bützow, A. DeMichele, A.K. Rustgi, B.L. Weber, M.J. Birrer, A. Hatzigeorgiou, C.M. Croce, **G. Coukos**: Genomic and Epigenetic Alterations Deregulate microRNA Expression in Human Epithelial Ovarian Cancer. *Proc Natl Acad Sci USA*, 105(19):7004-7009, 2008. PMID: PMC2383982.
 84. N. Yang, J. Huang, J. Greshock, S. Liang, A. Barchetti, K. Hasegawa, S. Kim, A. Giannakakis, C. Li, A. O'Brien-Jenkins, D. Katsaros, R. Bützow, **G. Coukos**, L. Zhang: Transcriptional Regulation of *PIK3CA* Oncogene by NF- κ B in Ovarian Cancer Microenvironment. *PLoS ONE*, 3(3):e1758, 2008. PMID: PMC2258145.
 85. F. Benencia, M.C. Courrèges, **G. Coukos**: Whole tumor antigen vaccination using dendritic cells: Comparison of RNA electroporation and pulsing with UV-irradiated tumor cells. *J Transl Med*, 6(1):21, 2008. PMID: PMC2408561.
 86. C.S. Chu, S.H. Kim, C.H. June, **G. Coukos**: Immunotherapy Opportunities in Ovarian Cancer. *Exp Rev Anticancer Ther*, 8(2): 243-257, 2008.
 87. F. Benencia, M.C. Courrèges, N. Fraser, **G. Coukos** : Herpes Virus Oncolytic Therapy Reverses Tumor Immune Dysfunction and Facilitates Tumor Antigen Presentation. *Cancer Biol Ther*, 7(8):1194-1205, 2008.
 88. S. Deng, G.A. Calin, C.M. Croce, **G. Coukos**, L. Zhang: Mechanisms of microRNA Deregulation in Human Cancer. *Cell Cycle*, 7(17):2643-2646, 2008.
 89. K. Balint, J.R. Conejo-Garcia, R. Buckanovich, **G. Coukos**: Role of Vascular Leukocytes in Ovarian Cancer Neovascularization. *Adv Exp Med Biol*, 622:273-280, 2008.
 90. S. Wei, T. Curiel, **G. Coukos**, R. Liu, W. Zou: Inhibitory B7 Family Members in Human Ovarian Carcinoma *Adv Exp Med Biol*, 622:261-271, 2008.
 91. B.G. Barnett, J. Ruter, I. Kryczek, M.J. Brumlik, P.J. Cheng, B.J. Daniel, **G. Coukos**, W. Zou, T.J. Curiel: Regulatory T cells: A New Frontier in Cancer Immunotherapy. *Adv Exp Med Biol*, 622:255-260, 2008.
 92. F. Benencia, **G. Coukos**: Biological Therapy with oncolytic herpes virus. *Adv Exp Med Biol*, 622: 221-233, 2008.
 93. R.T. Krafty, P.A. Gimotty, D. O. Holtz, **G. Coukos**, W. Guo: Varying-coefficient model with unknown within-subject covariance for analysis of tumor growth curves. *Biometrics*, 64(4):1023-31, 2008.
 94. L. Zhang, N. Yang, **G. Coukos**: MicroRNA in human cancer: one step forward in diagnosis and treatment. *Adv Exp Med Biol*, 622:69-78, 2008.
 95. R.G. Carroll, C. Carpenito, X. Shan, G. Danet-Desnoyers, R. Liu, S.M. Albelda, T. Golovina, **G. Coukos**, J.L. Riley, Z.L. Jonak, C.H. June: Distinct Effects of IL-18 on the Engraftment and Function of Human Effector CD8 T Cells and Regulatory T Cells, *PLoS One*, 3(9):e3289, 2008.

96. E. Baira, J. Greshock, **G. Coukos**, L. Zhang: Ultraconserved elements Genomics, function and disease. *RNA Biology*, 5(3):132-134, 2008.
97. M.M. Markiewski, R.A. DeAngelis, F. Benencia, S.K. Ricklin-Lichsteiner, A. Koutoulaki, C. Gerard, **G. Coukos**, J.D. Lambris: Modulation of the antitumor immune response by complement. *Nature Immunology*, 9 (11): 1225-1235, 2008.

Ostrand-Rosenberg, Suzanne. Cancer and complement. *Nature Biotechnology*, 26 (12): 1348-1349, 2008.
98. L. H. Butterfield, M.L. Disis, B.A. Fox, P.P. Lee, S.N. Khleif, M. Thurin, G. Trinichieri, E. Wang, J. Wigginton, D. Chaussabel, **G. Coukos**, M. Dhodapkar, L. Hakansson, S. Janetzki, T.O. Kleen, J.M. Kirkwood, C. Maccalli, H. Maecker, M. Maio, A. Malyguine, G. Masucci, A.K. Palucka, D.M. Potter, A. Ribas, L. Rivoltini, D. Schendel, B. Seliger, S. Selvan, C.L. Slingluff, D.F. Stoncek, H. Streicher, X. Wu, B. Zeskind, Y. Zhao, M.B. Zocca, H. Zwierzina, F.M. Marincola: A Systematic approach to biomarker discovery; preamble to “the iSBTc-FDA taskforce on immunotherapy biomarkers” *J Transl Med*. Dec 23; 6:81, 2008.
99. N. Yang, S. Kaur, S. Volinia, J. Greshock, H. Lassus, K. Hasegawa, S. Lian, A. Leminen, S. Deng, L. Smith, C.N. Johnstone, X.M. Chen, C.G. Liu, Q. Huang, D. Katsaros, G.A. Calin, B.L. Weber, R. Butzow, C.M. Croce, **G. Coukos**, L. Zhang: MicroRNA microarray identifies Let-71 as a novel biomarker and therapeutic target in human epithelial ovarian cancer. *Cancer Res*, 68(24):10307-1314, 2008.
100. B. Clarke, A.V. Tinker, C. Lee, S. Subramanian, M. van de Rijn, D. Turbin, S. Kalloger, M.G. Cadungog, D. Huntsman, **G. Coukos**, C.B. Gilks: Intraepithelial T cells and Prognosis in Ovarian Carcinoma: Novel Associations with Stage, Tumor Type and BRCA1 Loss. *Mod Pathol*, [Epub ahead of print, Dec, 2008], 22(3):393-402, 2009.
101. J. Ruter, B.G. Barnett, I. Kryczek, M.J. Brumlik, B.J. Daniel, **G. Coukos**, W. Zou, T.J. Curiel: Altering regulatory T cell function in cancer immunotherapy: a novel means to boost the efficacy of cancer vaccines. *Front Biosci* 14: 1761-1770, 2009.
102. S. Liang, N. Yang, Y. Pan, S. Deng, X. Lin, X. Yang, D. Katsaros, K.F. Roby, T.C. Hamilton, D.C. Connolly, **G. Coukos**, L. Zhang: Expression of activated PIK3CA in ovarian surface epithelium results in hyperplasia but not tumor formation. *PLoS ONE* 4(1):e4295, 2009.
103. S.F. Adams, D.A. Levine, M.G. Cadungog, R. Hammond, A. Facciabene, L. Zhang, N. Olvera, J. Boyd, P.A. Gimotty, **G. Coukos**: Intraepithelial T Cells Tumor Proliferation: impact on benefits from Surgical Cytoreduction in Advanced Serous Ovarian Cancer. *Cancer*, 1:115(13):2891-902, 2009.
104. N. Christian, F. Benencia, M. Milone, G. Li, P. Frail, M. Therien, **G. Coukos**, D. Hammer: In Vivo Dendritic Cell Tracking Using Fluorescence Lifetime Imaging and Near-Infrared Emissive Polymersomes. *Mol Imaging Biol*, 11(3):167-77, 2009.
105. L.E. Kandalaft, A. Facciabene, R.J. Buckanovich, **G. Coukos**: Endothelin B Receptor, a New Target in Cancer Immune Therapy. *Clin Cancer Res*, In Press.
106. H. Pulaski, G. Spahlinger, I. Silva, K. McLean, A. Kueck, R.K. Reynolds, **G. Coukos**, J. Conejo-Garcia, R.J. Buckanovich: Identifying alemtuzumab as an anti-myeloid cell antiangiogenic therapy for the treatment of ovarian cancer. *J Transl Med*, In Press.

107. K. Gumireddy, A. Li, P.A. Gimotty, A.J. Klein-Szanto, L.C. Showe, D.Katsaros, **G. Coukos**, L. Zhang, Q. Huang: Loss of KLF17 promotes tumor metastasis and is a significant prognostic biomarker in human breast cancer. *Nature Genetics*, In press.
108. A. Janowczyk, S. Chandran, R. Singh, **G. Coukos**, M.D. Feldman, A. Madabhushi: Hierarchical Normalized Cuts: Unsupervised segmentation of Vascular Biomarkers from Ovarian Cancer Tissue Microarrays. *Med Image Comput Computer Assist Intervent Soc*, In press.

Peer reviewed reviews:

1. **G. Coukos**, S.C. Rubin: Mechanisms of Chemotherapy Resistance in Ovarian Cancer: New Perspectives. *Obstet. Gynecol.*, 91:783-792, 1998.
2. **G. Coukos**, S.C. Rubin: Gene Therapy of Ovarian Cancer. *Oncology*, 15:1197-1204, 2001.
3. **G. Coukos**, M.C. Courreges, F. Benencia: Intraperitoneal Oncolytic and In Situ Tumor Vaccination Therapy: the HSV Paradigm. *Curr Gene Ther*, 3:113-125, 2003.
4. **G. Coukos**, F. Benencia, R. Buckanovich, J.R. Conejo-Garcia: The role of dendritic cell precursors in tumour vasculogenesis. *Br J Cancer*, 92:1182-1187, 2005.
5. **G. Coukos**, J.R. Conejo-Garcia, T.C. Wu: Immunotherapy for gynecologic malignancies. *Exp Op Biol Ther*, 5:1193-1210, 2005.
6. V. Espina, J.D. Wulfkuhle, V.S. Calvert, A. VanMeter, W. Zhou, **G. Coukos**, D.H. Geho, E.F. Petricoin, L.A. Liotta: Laser-capture microdissection. *Nature Protoc*, 1:586-603, 2006.
7. J. Rüter, B.G. Barnett, I. Kryczek, **G. Coukos**, W. Zou, T.J. Curiel: Depleting T regulatory cells as cancer immunotherapy. *Expert Rev Dermatol*, 1: 589-597, 2006.
8. L. Zhang, **G. Coukos**: MicroRNAs: A New Insight into Cancer Genome. *Cell Cycle*. 5(19):2216-2219, 2006.
9. A. Giannakakis, **G. Coukos**, A. Hatzigeorgiou, R. Sandaltzopoulos, L. Zhang: miRNA genetic alterations in human cancers. *Expert Opinion Biol Ther*, 7(9):1375-1386, 2007.
10. P. A. Gimotty, L. Zhang, I. Alagkiozidis, S. Kim, M. Cadungog, S. Adams, C.S. Chu, D. Katsaros, **G. Coukos**: Immune Prognostic Factors in Ovarian Cancer: Lessons from Translational Research. *Disease Markers*. 23(5-6):445-452, 2007.
11. N. Yang, **G. Coukos**, L. Zhang: MicroRNA Epigenetic Alterations in Human Cancer: One Step Forward in Diagnosis and Treatment. *Int J Cancer*, 122(5):963-968, 2008.
12. C.S. Chu, S.H. Kim, C.H. June, **G. Coukos**: Immunotherapy Opportunities in Ovarian Cancer. *Exp Rev Anticancer Ther*, 8(2): 243-257, 2008.
13. S. Deng, G.A. Calin, C.M. Croce, **G. Coukos**, L. Zhang: Mechanisms of microRNA Deregulation in Human Cancer. *Cell Cycle*, Sep 1(17):2643-2646, 2008.
14. M. McIntosh, G. Anderson, C. Drescher, S. Hanash, N. Urban, P. Brown, S.S. Gambhir, **G. Coukos**, P.W. Laird, B. Nelson, C. Palmer: Ovarian Cancer early detection claims are biased. *Clin Cancer Res*. Nov 15; 14(22): 7574; author reply 7577-7579, 2008.

Abstracts: none**Editorials, Chapters, Reviews:**

1. **G. Coukos**, A. Bartolotti, C. Battaglia, A. Segre, V. Mazza, F. Petraglia. Increased Plasma Levels of CRF in Pre-eclamptic Pregnants: Psychoneuroendocrine Correlations. In "Psicosomatica e Psicoprofilassi Ostetrica e Ginecologica" (Eds.) F. Facchinetti, A.R. Genazzani, CIC Intern, pp 275-279, 1988.
2. **G. Coukos**, F. Petraglia, A.M. Zaccardo, C. Battaglia, G. Brilli, A. Segre, A.R. Genazzani. CRF in Pregnancy: Evidence of a Placental Release in Maternal and Fetal Circulation. In "*Ostetricia e Ginecologia*" (Eds.) P. Fioretti, G.B. Melis, CIC Intern, pp. 543-546, 1988.
3. F. Petraglia, S. Sutton, A.M. Zaccardo, L. Calza', L. Giardino, P. Marrama, **G. Coukos**, A. Volpe, A.R. Genazzani, A.T.W. Lim, P. Sawchenko, J. Rivier, W. Vale. Production and Role of Releasing and Inhibiting Factors in Human Placenta. In "*Progress in Endocrinology 88*" H. Himura *et al.* (Eds.), Elsevier Science Pub., New York, pp. 407-412, 1988.
4. F. Petraglia, **G. Coukos**, D. Larizza, M. Maghnie, F. Severi, A.R. Genazzani. Neuroendocrine Control of Gonadotropin Secretion in Patients with Turner's Syndrome: Role of the Opioid Peptides. In "*IV Pediatric and Adolescent Gynecology*" A. Aravantinos *et al.* (Eds.), Athenon Pub., Athens, pp. 153-155, 1988.
5. F. Petraglia, E. Uccelli, P. DiDomenica, G.C. Garuti, M. Abrate, **G. Coukos**, G. Comitini, B. DeRamundo, A. Volpe, A. Segre, A.R. Genazzani. Placenta as an Immunoneuroendocrine Organ. In "*Aggiornamenti in Scienze Ostetriche e Ginecologiche*" P. Fioretti, G.B. Melis (Eds.) CIC Intern Publ, pp. 61-70, 1989.
6. M. Monaco, P.G. Artini, M. Silferi, V. Santoro, A. Maietta-Latessa, N. Mercuri, **G. Coukos**, A. Volpe. Direct Intraperitoneal Insemination; Results on 160 Cycles. In "*Aggiornamenti in Scienze Ostetriche e Ginecologiche*" P. Fioretti, G.B. Melis (Eds.) CIC Intern Publ, pp. 921-924, 1989.
7. P.G. Artini, **G. Coukos**, G. Boraldi, R. Adamo, N. Mercuri, R. Stacca, M. Monaco, A. Volpe, G. D'Ambrogio. Role of the HDL and LDL in the Ovarian Steroidogenesis In Vivo and In Vitro. In "*Aggiornamenti in Scienze Ostetriche e Ginecologiche*" P. Fioretti, G.B. Melis (Eds) CIC Intern Publ, pp. 85-88, 1989.
8. **G. Coukos**, M. Silferi, P.G. Artini, G. D'Ambrogio, F. Malagnino, M. Boghen, A. Volpe. Combined Therapy with GH plus Gonadotropins for Induction of Superovulation in Low-Response and PCO Patients. In "*Aggiornamenti in Scienze Ostetriche e Ginecologiche*" P. Fioretti, G.B. Melis (Eds) CIC Intern Publ, pp. 383-386, 1989.
9. A. Volpe, **G. Coukos**, P.G. Artini, M. Silferi, M. Monaco, R. Stacca, F. Malagnino, N. Mercuri, R. Adamo, G. D'Ambrogio. In Vivo and In Vitro Steroidogenesis in PCO (in italian). In "*Aggiornamenti in Scienze Ostetriche e Ginecologiche*" P. Fioretti, G.B. Melis (Eds) CIC Intern Publ, pp. 583-586, 1989.

10. G. Comitini, F. Petraglia, **G. Coukos**, B.M. DeRamundo, R. Gattoni, G. Brillì, N. Mercuri, A. Segre, A.R. Genazzani. Modification of Neuropeptide Y Plasma Levels in Pregnancy and Labor. (in Italian) In *"Aggiornamenti in Scienze Ostetriche e Ginecologiche"* P. Fioretti, G.B. Melis (Eds) CIC Intern Publ, pp. 717-721, 1989.
11. **G. Coukos**, F. Petraglia, G. Brillì, N. Mercuri, G. Comitini, B.M. DeRamundo, R. Leonardi, A. Segre, A.R. Genazzani. Increased GnRH Plasma and Amniotic Fluid GnRH in Preeclamptic and IUGR Pregnancy . In *"Aggiornamenti in Scienze Ginecologiche e Ostetriche"* P. Fioretti, G.B. Melis (Eds) CIC Intern Publ, pp. 852-856, 1989.
12. **G. Coukos**, F. Petraglia, E. Baraldi, V. Montanini, V. Mazza, A.D. Gena, A. Segre, A.R. Genazzani. Plasma and Amniotic Fluid GnRH in Diabetic Pregnancy. In *"Experimental Models in Obstetrics and Gynecology"* (Eds) Romanini et al, Parthenon Pub., No. 44, 1989.
13. F. Petraglia, **G. Coukos**, L. Giardino, L. Calza', B.M. DeRamundo, G. Comitini, A. Segre, A.R. Genazzani. Human Placenta as a Source and Target of Neuropeptide-Y. In *"Recent Advances in Basic and Clinical Neuroendocrinology"* F.F. Casanueva, C. Diguez (Eds) Elsevier Pub. 45-52, 1989.
14. F. Petraglia, **G. Coukos**, G.C. Garuti, M. Abrate, A. Volpe, A. Segre, A.R. Genazzani. Human Placental Inhibin and Activin. In *"Development and Function of the Reproductive Organs"*, N. Josso (Ed) III Sero Symposium # 21, Springer-Verlag, New York, 171-185, 1989.
15. A. Volpe, P.G. Artini, **G. Coukos**, M. Carino, F. Boselli, A.R. Genazzani. Miotamycin Treatment in Infertile Couples. In *"Research Reports in Obstetrics and Gynecology"* (Eds) A.R. Genazzani, F. Petraglia, F. Facchinetti, A. Volpe, Parthenon Pub. 1989.
16. P.G. Artini, **G. Coukos**, R. Adamo, M. Silferi, M. Monaco, G. D'Ambrogio. Cryopreservation of Human Sperm: a Comparative Study of Buffer Systems. In *"Research Reports in Obstetrics and Gynecology"* (Eds) A.R. Genazzani, F. Petraglia, F. Facchinetti, A. Volpe, Parthenon Pub., pp 211-215, 1989.
17. A. Volpe, P.G. Artini, M. Silferi, **G. Coukos**, F. Minuto, A. Barreca, A.R. Genazzani. Combined Gonadotropin plus Growth Hormone Treatment for Induction of Superovulation in IVF Programme. In *"Research Reports in Obstetrics and Gynecology"* (Eds) A.R. Genazzani, F. Petraglia, F. Facchinetti, A. Volpe, Parthenon Pub., pp 669-673, 1989.
18. **G. Coukos**, G. D'Ambrogio, M. Monaco, G. Lacolla, M. Silferi, M. Dicecca, P.G. Artini, A. Volpe. Spontaneous Pregnancy Occurrence after Unsuccessful IVF/ET Treatment. In *"Research Reports in Obstetrics and Gynecology"* (Eds) A.R. Genazzani, F. Petraglia, F. Facchinetti, A. Volpe, Parthenon Pub., pp 201-206, 1989.
19. R. Adamo, **G. Coukos**, M. Monaco, F. Petraglia, G. D'Ambrogio, A. Maietta-Latessa, A. Volpe. GnRH Agonist Therapy in Infertile Patients Affected by uterine Leiomyomata. In *"Research Reports in Obstetrics and Gynecology"* (Eds) A.R. Genazzani, F. Petraglia, F. Facchinetti, A. Volpe, Parthenon Pub., pp 63-68, 1989.
20. M. DiCecca, P.G. Artini, **G. Coukos**, R. Adamo, M. Silferi, G. D'Ambrogio, A. Volpe. Induction of Superovulation with or without LHRH Analog for IVF. In *"Research Reports in Obstetrics and Gynecology"* (Eds) A.R. Genazzani, F. Petraglia, F. Facchinetti, A. Volpe, Parthenon Pub., pp 63-68, 1989.

- Gynecology*" A.R. Genazzani, F. Petraglia, F. Facchinetti, A.Volpe (Eds), Parthenon Pub., pp. 157-161, 1989.
21. A. Volpe, P.G. Artini, **G. Coukos**, M. Carino, F. Boselli, A.R. Genazzani. Oral Miconazole in the Prophylaxis and Treatment of Reproductive Tract Infections in Infertile Couples. In "*Research Reports in Obstetrics and Gynecology*" A.R. Genazzani, F. Petraglia, F. Facchinetti, A.Volpe (Eds), Parthenon Pub., 1989.
 22. P.G. Artini, **G. Coukos**, R. Adamo, M. Silferi, M. Monaco, G. D'Ambrogio. Cryopreservation of Human Sperm: a Comparative Study of Buffer Systems. In "*Research Reports in Obstetrics and Gynecology*" A.R. Genazzani *et al.* (Eds), Parthenon Pub., London, pp. 211-215, 1989.
 23. **G. Coukos**, F. Petraglia, E. Baraldi, V. Montanini, V. Mazza, A.D. Genazzani, A. Segre, A.R. Genazzani. Plasma and Amniotic Fluid GnRH in Diabetic Pregnancy. In "*Experimental Models in Obstetrics and Gynecology*" A. Romanini *et al.* (Eds), Parthenon Pub., New York, 1989.
 24. F. Petraglia, **G. Coukos**, A. Volpe, A.R. Genazzani, W. Vale: Involvement of Placental Neurohormones in Human Parturition. In "*The Primate Endometrium*" C. Bulletti, E. Gurpide (Eds), pp 331-340, 1991.
 25. **G. Coukos**, P.G. Artini, A. Volpe, M. Silferi, G.D'Ambrogio, A. Barreca, F. Minuto, A.R. Genazzani. Improvement of Ovarian Response to Induction of Superovulation with Combined Growth Hormone-Gonadotropin Treatment In "*Advances in Assisted Reproductive Technologies*" S. Mashiach, Z. Ben-Rafael, N. Laufer, J.G. Schenker (Eds), Plenum Press, New York, 389-395, 1991.
 26. **G. Coukos**, G. Tolis: Neuroendocrine Immunology: New Perspectives. *Iatriki*, 58: 226-233, 1990.
 27. F. Petraglia, **G. Coukos**, B.M. De Ramundo, G. Brillì, N. Mercuri, A. Volpe, A.R. Genazzani: New Perspectives in Placental Endocrinology. *Doc. Gineco*, 4:61-72, 1990.
 28. C. Battaglia, C. LaRocca, A. Lanzani, **G. Coukos**, A.R. Genazzani: Doppler Velocimetry in Prolonged Pregnancy. *Obstet. Gynecol*, 77: 213-216, 1991.
 29. F. Petraglia S. Angioni, **G. Coukos**, E. Uccelli, P. Di Domenica, B. DeRamundo, A.D. Genazzani, A. Segre: Neuroendocrine Mechanisms Regulating Placental Hormone Production. *Contrib. Gynecol. Obstet*, 18:147-156, 1991.
 30. F. Petraglia, S. Angioni, **G. Coukos**, M.C. Galassi, M. Valentini, A.D. Genazzani, A. Segre, A.R. Genazzani: Corticotropin-Releasing Factor in Biological Fluids During Pregnancy and Parturition. *Israel. J. Obstet. Gynecol*, 990:198-201, 1992.
 31. C. Coutifaris, E. Ruelaz, S. Wisel, J. Song, **G. Coukos**. Human Endometrial Receptivity and Trophoblast Adhesion. In "*Gamete and Embryo Quality*" L. Mastroianni *et al.* (Eds), Parthenon Pub., London, pp. 225-243, 1993.
 32. M. Gåvfels, **G. Coukos**, C. Coutifaris, D.K. Strickland, J.F. Strauss III. Regulation of Trophoblast alpha-2 Macroglobulin Receptor/Low Density Lipoprotein Receptor-Related Protein: A Multifunctional Receptor Possibly Involved in Trophoblast Invasion and Placental Lipid Transport. In "*Trophoblast Cells: Pathways for Maternal-Embryonic Communication*" M.J. Soares *et al.* (Eds), Sero Symposia, Springer-Verlag, New York, pp. 123-133, 1993.

33. C. Coutifaris, **G. Coukos**: Fertilization and Implantation. *Infert. Reprod. Med. Clin. N. Am*, 5:571-590, 1994.
34. **G. Coukos**, M.E. Gáfvels, F. Witmaack, H. Matsuo, D.K. Strickland, C. Coutifaris, J.F. Strauss III: Potential Roles for the Low Density Lipoprotein Receptor Family of Proteins in Implantation and Placentation. *Ann. N.Y. Acad. Sci*, 734:91-102, 1994.
35. C. Coutifaris, A. Omigbodun, **G. Coukos**: Integrins, endometrial maturation and embryo implantation. *Sem. Reprod. Endocrinol*, 16:219-229, 1998.
36. **G. Coukos**, S.C. Rubin, K.L. Molnar-Kimber: Application of Recombinant Herpes Simplex Virus-1 (HSV-1) for the Treatment of Malignancies Outside the Central Nervous System. *Gene Ther. Mol. Biol*, 3:78-89, 1999.
37. **G. Coukos**, S.C. Rubin: Early Ovarian Cancer. *Curr. Treat. Options Oncol*, 1:129-137, 2000.
38. **G. Coukos**, S. C. Rubin: Surgical Management of Ovarian Cancer *Oncol Spectr*, 350-361, 2001.
39. **G. Coukos**, C.H. June. Advances in the Biotherapeutic Approaches to Ovarian Cancer. In “*Ovarian Cancer*” S.C. Rubin, G.P. Sutton (eds.), 2nd ed., Lippincott Williams and Wilkins Pub., Philadelphia, pp.57-96, 2001.
40. **G. Coukos**, S. C. Rubin: Prophylactic Oophorectomy. *Best Pract. Res. Clin. Obstet. Gynecol*, 16:597-609, 2002.
41. **G. Coukos**, C.S. Chu. Gene Therapy of Ovarian Cancer. In “*Principles and Practice of Chemotherapy for Gynecologic Malignancies*”. R. Angioli *et al.* (eds), Marcel Dekker Inc., pp. 93-118, 2003.
42. **G. Coukos**, H.J. Gray, C.H. June. Biological Therapy. In “*American Cancer Society Monographs: Ovarian Cancer*” R.C. Ozols (editor), pp 194-212, 2003.
43. **G. Coukos**, R. Buckanovich, D.O. Holtz. Targeted Therapy. In “*Uterine Cancer*”, **G. Coukos** (editor), 2004.
44. **G. Coukos**, L. Zhang, J.R. Conejo-Garcia. Tumor Immune Surveillance: Does it really exist? In “*ASCO Educational Book 2005*”, 2005.
45. **G. Coukos**, J.R. Conejo-Garcia. The Tumor Microenvironment: Regulation of Antitumor Immunity and Implications for Immunotherapy. In “*Immunotherapy of Cancer*”, M.L. Disis (editor), Humana Press pp. 285-302, 2006.
46. M.B. Atkins, D. Carbone, **G. Coukos**, M. Dhodapkar, M.S. Ernstoff, J. Finke, T.F. Gajewski, J. Gollob, M.T. Lotze, W. Storkus, L.M. Weiner: Report on the ISBTC mini-symposium on biologic effects of targeted therapeutics. *J Immunother*, (review) 30(6):577-590, 2007.
47. L. Zhang, N. Yang, **G. Coukos**. MicroRNA in Human Cancer: One Step Forward in Diagnosis and Treatment. In “*Ovarian Cancer: State of the Art and Future Directions*” **G. Coukos**, A. Berchuk, R. Ozols (eds.) Springer, New York pp. 69-78, 2008.

48. F. Benencia, **G. Coukos** Biological Therapy with Oncolytic: Herpes virus. In *“Ovarian Cancer: State of the Art and Future Directions”* **G. Coukos**, A. Berchuk, R. Ozols (eds.) Springer, New York pp. 227-240, 2008.
49. B.G. Barnett, J. Ruter, I. Kryczek, M.J. Brumlik, P.J. Cheng, B.J. Daniel, **G. Coukos**, W. Zou, T.J. Curiel. Regulatory T Cells: A New Frontier in Cancer Immunotherapy. In *“Ovarian Cancer: State of the Art and Future Directions”* **G. Coukos**, A. Berchuk, R. Ozols (eds.) Springer, New York 2008.
50. S. Wei, T.J. Curiel, **G. Coukos**, R. Liu, W. Zou: Inhibitory B7 Family Members in Human Ovarian Carcinoma. In *“Ovarian Cancer: State of the Art and Future Directions”* **G. Coukos**, A. Berchuk, R. Ozols (eds.) Springer, New York 2008.
51. K. Balint, J.R. Conejo-Garcia, R. Buckanovich, **G. Coukos**. Role of Vascular Leukocytes in Ovarian Cancer Neovascularization. In *“Ovarian Cancer: State of the Art and Future Directions”* **G. Coukos** A. Berchuk, R. Ozols (eds.) Springer, New York 2008.
52. J. Ruter, B.G. Barnett, I. Kryczek, M.J. Brumlik, B.J. Daniel, **G. Coukos**, W. Zou, T.J. Curiel. Cancer Vaccines and Tumor Immunity. *“Regulatory Cell Manipulation in Tumor Immunotherapy”* Wiley & Sons, 2008.
53. J. Ruter, B.G. Barnett, I. Kryczek, M.J. Brumlik, B.J. Daniel, **G. Coukos**, W. Zou, T.J. Curiel. A novel means to boost efficacy. *“Altering Regulatory T Cell Function in Cancer Immunotherapy”* In *Frontiers in Bioscience*. In Press.

Books:

1. *Uterine Cancer*. **G. Coukos** and S.C. Rubin, eds. Dekker Inc., New York, NY, January 2005.
2. *Ovarian Cancer: State of the Art and Future directions*. **G. Coukos**, A. Berchuk, and R. Ozols eds., Springer, New York, NY 2008. (In press)

Alternative Media: None

Patents:

Serial No: 10/525,642 (1/13/2006): Immune Cell Receptor Ligand and Immune Cell Receptor. George Coukos, Jose R. Conejo-Garcia

Serial No: 12/162,235: Tumor Vasculature Markers and Methods of Use Thereof. G. Coukos, R. Buckanovich, P.A. Gimotty. World Intellectual Property Organization WO: 2007/089513 A3, 9 August, 2007.

Provisional US patent application (3/21/07): PENN Docket #4136 “Methods and Compositions for Treating Solid Tumors and enhancing Tumor Vaccine. George, Coukos, Ronald J. Buckanovich, Andrea Facciabene.

Serial No: 60/077,681 (1998): “Carrier Cells for Replication Selective Viruses in the Treatment of Malignancy”