

CURRICULUM VITAE

DONNA M. PEEHL

Professor (Research) of Urology
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PERSONAL

Birthdate: June 27, 1952
Birthplace: St. Paul, Minnesota

EDUCATION

09/70 - 04/74 Stanford University, Stanford, CA
B.S. Biology

09/74 - 12/74 The Johns Hopkins University, Baltimore, MD

09/75 - 05/79 University of Colorado, Boulder, CO
Ph.D. Molecular, Cellular and Development Biology

EXPERIENCE

09/74 - 12/74 Graduate Student, Program of Human Genetics
The Johns Hopkins University, Baltimore, MD

09/75 - 05/79 Graduate Student, Department of Molecular, Cellular and
Developmental Biology
University of Colorado, Boulder, CO
Mentor: Dr. Richard Ham

09/77 -05/78 Teaching Assistant, Department of Molecular, Cellular and
Developmental Biology
University of Colorado, Boulder, CO

07/79 -12/80 Postdoctoral Fellow, Department of Microbiology and
Immunology, University of California, Irvine
Mentor: Dr. Eric Stanbridge

01/81 - 11/82	Postdoctoral Fellow, Department of Microbiology and Immunology University of California, San Francisco Mentor: Dr. J. Michael Bishop
11/82 - 05/97	Senior Research Associate, Department of Urology Stanford University Medical Center, Stanford, CA
06/97 – 07/07	Associate Professor (Research) of Urology, Department of Urology, Stanford University Medical Center, Stanford, CA
08/07 – present	Professor (Research) of Urology, Department of Urology, Stanford University Medical Center, Stanford, CA
09/98 – present	Director of Urologic Research, Department of Urology, Stanford University Medical Center, Stanford, CA

HONORS AND AWARDS

J. Hoffa (Teamsters) Fellowship for undergraduate education at Stanford University, 1970-1974

Hublein Scholarship for undergraduate education at Stanford University, 1970-1974

Flow Fellowship to attend Karyotyping Workshop at the W. Alton Jones Cell Science Center, November, 1975

Wilton R. Earle Award for Best Graduate Student Talk at the Annual Tissue Culture Association Meeting, June, 1978

Cancer Research Fellowship of the University of California, Irvine, January-June, 1980

NIH Postdoctoral Fellowship, 1982

Leukemia Society Senior Postdoctoral Fellowship, awarded for 1983-1985

CaP CURE Award, 1993, 1995, 1996, 1997, 1999, 2000, 2003, 2008

PROFESSIONAL ACTIVITIES

Reviewing Editor, In Vitro Cell. Devel. Biol.

Editorial Board, The Prostate, Investigative Urology (1995-1997), BMC Urology (2006 – 2009), Urologic Oncology, and International Braz J Urol

Member, Canadian Cancer Institute Grant Review Committee, Endocrinology Section, 1984-1986

Member, Society for Basic Urologic Research

Elected Member-at-Large, Society for Basic Urologic Research Executive Committee, 1992-1994

Ad hoc reviewer, NIH Grant Review Sections

Ad hoc reviewer, VA Merit Awards

Chair, USAMRMC Prostate Cancer Research Program, Pathobiology-2, 1999 and 2000

Scientist Reviewer, USAMRMC Prostate Cancer Research Program, Pathobiology-2, 1998, 2001 - 2004

Scientist Reviewer, USAMRMC Prostate Cancer Research Program, Cell Biology-3, 2003

Scientist Reviewer, USAMRMC Prostate Cancer Research Program, Pathobiology-1, 2005

Scientist Reviewer, USAMRMC Prostate Cancer Research Program, Clinical Consortium, 2005

Scientist Reviewer, USAMRMC Prostate Cancer Research Program, Prostate Cancer Training Award-1, 2006

Member, Review panel, NIDDK RFA “Cell Specific Delineation of Prostate and Genitourinary Development”, 2000

Member, Review Panel, NCI SPORE for Genitourinary and Prostate Cancers, 2001

Member, Special Emphasis Review Panel, NIDDK RFA “Role of Hormones and Growth Factors in Prostate Cancer”, 2001

Member, Review Panel, NCI SPORE for Gastrointestinal and Prostate Cancers, 2001

Member, Review Panel, NCI SPORE for Prostate and GU Cancers, 2003

Member, Review Panel, NIH PAR “Development of Cell-selective Tools for Studies of the Bladder, Prostate and Genitourinary Tract”, 2003

Member, Kidney, Urologic, and Hematologic Disease D Subcommittee of the Diabetes and Digestive and Kidney Diseases Initial Review Group, NIDDK, July 1, 2004 – June 30, 2008

Member, NIDDK and NIA MTOPS Prostate Samples Analysis (MPSA) Supplement Review Group, June, 2005

Member, Review Panel, NCI SPORE in Lung and Genitourinary Cancers, 2005

Member, Review Panel, NCI Special Emphasis Panel, Loan Repayment Program, 2006, 2007, 2008, 2009

Member, Review Panel, NCI SPORE in Prostate, Breast and Skin Cancers, 2007

Chair, Review Panel, NIDDK Special Emphasis Panel, “Urologic Research Development”, 2008

Member, Review Panel, NCI SPORE in Breast, Leukemia, Prostate and Skin Cancers, 2009

Chair, USAMRMC Prostate Cancer Research Program, Prostate Cancer Training-1, 2007, 2008 and 2009

Chair, USAMRMC Prostate Cancer Research Program, Detection, Diagnosis and Prognosis-1, 2010

Member, Review Panel, NCI SPORE in Sarcoma, Brain, Liver, Lung, and Prostate Cancers, 2010

ORGANIZING COMMITTEES

1992 International Symposium on the Biology of Prostate Growth, Bethesda, MD

1994 Society for Basic Urologic Research Annual Meeting (Chair, poster session), San Francisco, CA

1994 Society for Basic Urologic Research Fall Symposium (Chair), Stanford, CA

1996 International Symposium on the Biology of Prostate Growth (Chair, growth factor session), Washington, D.C.

1996 Conference on the Biology and Treatment of Advanced Prostate Cancer, Prouts Neck, ME

1996 Prostate Cancer Prevention Workshop, Annapolis, MD

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| 1998 | International Symposium on the Biology of Prostate Growth, Bethesda, MD |
| 2007 | Innovative Minds in Prostate Cancer Today – IMPaCT Meeting, Abstract Placement Subcommittee, Baltimore, MD |
| 2007 | NIDDK Prostate Basic and Clinical Science Strategic Planning Meeting, Advisor, Baltimore, MD |

INVITED TALKS (PAST 5 YEARS)

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| 06/16/04 | “Molecular Signaling Pathways of Chemopreventive and Chemotherapeutic Activity of Vitamin D in Prostate Cancer”, Roche Palo Alto LLC, Palo Alto, CA |
| 03/01/05 | “Experimental Models of Benign Prostatic Hyperplasia (BPH)”, Threshold Pharmaceuticals, Inc., Redwood City, CA |
| 04/14/05 | Chair, session “Cancer Cell Biology”, The 2 nd Annual Pacific Rim Breast and Prostate Cancer Meeting, Palm Springs, CA |
| 10/26/05 | "The Sun: Friend or Foe? Chemoprevention of Prostate Cancer by Vitamin D", Cancer Biology Seminar, Wake Forest University, Winston-Salem, NC |
| 07/27/06 | “Realistic Experimental Models of the Human Prostate”, Berlex Biosciences, Richmond, CA |
| 11/01/06 | “Vitamin D from Bench to Bedside: Prevention and Treatment of Prostate Cancer”, Nutritional Sciences and Toxicology Departmental Seminar, University of California, Berkeley, CA |
| 03/20/07 | “Prevention and Treatment of Prostate Cancer with Vitamin D”, 3 rd Annual National Symposium on Prostate Cancer at Clark Atlanta University, Atlanta, GA |
| 04/04/07 | “Killing Two Birds with One Stone - - Treating Prostate Cancer and Depression with Monoamine Oxidase Inhibitors?”, Endocrinology Grand Rounds, Stanford University, Stanford, CA |
| 06/29/07 | “BPH: Experimental Models and Molecular Targets”, GlaxoSmithKline, King of Prussia, PA |
| 04/05/08 | “Role of Monoamine Oxidase A in Aggressive Prostate Cancer”, Molecular Pathology Seminar, University of Illinois Chicago, Chicago, IL |
| 03/16/09 | “Biological and Clinical Relevance of Monoamine Oxidase A in High Grade Prostate Cancer”, 5 th Annual National Symposium on Prostate Cancer, Clark Atlanta University, Atlanta, GA |
| 03/27/09 | “Exploring the Differential Glyco-epitopes of Prostate Cancers by Lectin Array Analysis of Primary Cultures”, |

- Clinical and Translational Research on Cancer: Glycomics Applications, Toba, Japan
- 11/13/09 “Preclinical Models of the Normal and Diseased Human Prostate: 25 Years of Progress”, German Society of Urologic Research, Munich, Germany
- 10/14/10 “Experimental Models of High Grade Primary Prostatic Adenocarcinomas”, Cancer Biology Research Seminar Series, UC Davis Cancer Center, Sacramento, CA

PUBLICATIONS

- Peehl, D.M. and Ham, R.G. Growth and differentiation of human keratinocytes without a feeder layer or conditioned medium. *In Vitro* 16:516-525, 1980.
- Peehl, D.M. and Ham, R.G. Clonal growth of human keratinocytes with small amounts of dialyzed serum. *In Vitro* 16:526-540, 1980.
- Peehl, D.M. and Stanbridge, E.J. Anchorage-independent growth of normal human fibroblasts. *Proc. Natl. Acad. Sci. USA* 78:3053-3057, 1981.
- Peehl, D.M. and Stanbridge, E.J. Characterization of human keratinocyte x HeLa somatic cell hybrids. *Int. J. Cancer* 27:625-635, 1981.
- Stanbridge, E.J., Der, C.J., Doerson, C.-J., Nishimi, R.Y., Peehl, D.M., Weissman, B.E. and Wilkinson, J.E. Human cell hybrids: analysis of transformation and tumorigenicity. *Science* 215:252-259, 1982.
- Peehl, D.M. and Stanbridge, E.J. The role of differentiation in the suppression of tumorigenicity in human cell hybrids. *Int. J. Cancer* 30:113-120, 1982.
- Peehl, D.M. and Stamey, T.A. Serial propagation of adult human prostatic epithelial cells with cholera toxin. *In Vitro* 20:981-986, 1984.
- Brawer, M.K., Peehl, D.M., Stamey, T.A. and Bostwick, D.G. Keratin immunoreactivity in the benign and neoplastic human prostate. *Cancer Res.* 45:3663-3667, 1985.
- Peehl, D.M. Serial culture of adult human prostatic epithelial cells. *J. Tissue Cult. Meth.* 9:53-60, 1985.
- Peehl, D.M. and Stamey, T.A. Oncogenes: a review with relevance to cancer of the urogenital tract. *J. Urol.* 135:897-904, 1986.
- Peehl, D.M. and Stamey, T.A. Growth responses of normal, benign hyperplastic and malignant human prostatic epithelial cells *in vitro* to

- cholera toxin, pituitary extract, and hydrocortisone. Prostate 8:51-61, 1986.
- Brawer, M.K., Bostwick, D.G., Peehl, D.M. and Stamey, T.A. Keratin protein in human prostatic tissue and cell culture. Ann. N.Y. Acad. Sci. 455:729-731, 1986.
- Peehl, D.M. and Stamey, T.A. Serum-free growth of adult human prostatic epithelial cells. In Vitro 22:82-90, 1986.
- Peehl, D.M. Oncogene expression. Prog. Clin. Biol. Rev. 239:77-90, 1987.
- Peehl, D.M. Molecular biology of proto-oncogenes in genitourinary cancers. Cancer (Suppl.) 60:645-649, 1987.
- Peehl, D.M., Wehner, N. and Stamey, T.A. Activated Ki-ras oncogene in human prostatic adenocarcinoma. Prostate 10:281-289, 1987.
- Peehl, D.M. Androgen regulation of cultured human prostatic epithelial cells. In: Hormonal Therapy of Prostatic Diseases: Basic and Clinical Aspects, Motta, M. and Serio, M., (eds), Medicom Europe, The Netherlands, pp. 63-73, 1988.
- Peehl, D.M., Wong, S.T. and Stamey, T.A. Clonal growth characteristics of adult human prostatic epithelial cells. In Vitro 24:526-530, 1988.
- Kabalin, J.N., Peehl, D.M. and Stamey, T.A. Clonal growth of human prostatic epithelial cells is stimulated by fibroblasts. Prostate 14:251-263, 1989.
- Kaighn, M.E., Reddel, R.R., Lechner, J.F., Peehl, D.M., Camalier, R.F., Brash, D.E., Saffioti, U. and Harris, C.C. Transformation of human neonatal prostate epithelial cells by strontium phosphate transfection with a plasmid containing SV40 early region genes. Cancer Res. 49:3050-3056, 1989.
- Peehl, D.M., Wong, S.T., Bazinet, M. and Stamey, T.A. *In vitro* studies of human prostatic epithelial cells: attempts to identify distinguishing features of malignant cells. Growth Factors 1:237-250, 1989.
- Brothman, A.R., Peehl, D.M., Patel, A.M. and McNeal, J.E. Frequency and pattern of karyotypic abnormalities in human prostate cancer. Cancer Res. 50:3795-3803, 1990.
- Peehl, D.M., Wong, S.T., McNeal, J.E. and Stamey, T.A. Analysis of somatic cell hybrids derived from normal human prostatic epithelial cells fused with HeLa cells. Prostate 17:123-135, 1990.

- Yaswen, P., Smoll, A., Peehl, D.M., Trask, D.K., Sager, R. and Stampfer, M.R. Down-regulation of a calmodulin-related gene during transformation of human mammary epithelial cells. *Proc. Natl. Acad. Sci. USA* 87:7360-7364, 1990.
- Peehl, D.M., Wong, S.T. and Stamey, T.A. Cystostatic effects of suramin on prostate cancer cells cultured from primary tumors. *J. Urol.* 145:624-630, 1991.
- Brothman, A.R., Peehl, D.M., Patel, A.K., MacDonald, G.R., McNeal, J.E., Ladaga, L.E. and Schellhammer, P.F. Cytogenetic evaluation of 20 primary prostatic tumors. *Cancer Genet. Cytogenet.* 55:79-84, 1991.
- Peehl, D.M., Wong, S.T., Terris, M.K. and Stamey, T.A. Culture of prostatic epithelial cells from ultrasound-guided needle biopsies. *Prostate* 19:141-147, 1991.
- Cohen, P., Peehl, D.M., Lamson, G. and Rosenfeld, R.G. Insulin-like growth factors (IGFs), IGF receptors and IGF binding proteins in primary cultures of prostate epithelial cells. *J. Clin. Endocrin. Metab.* 73:401-407, 1991.
- Peehl, D.M. Searching for suppressor genes in prostate cancer. *Cancer Surveys* 11:25-34, 1991.
- Yacoe, M.E., Sommer, G. and Peehl, D.M. *In vitro* proton spectroscopy of normal and abnormal prostate. *Mag. Res. Med.* 19:429-438, 1991.
- Peehl, D.M. Culture of human prostatic epithelial cells. In: *Culture of Epithelial Cells*, Freshney, R.I. (ed), Wiley-Liss, New York, pp. 159-180, 1992.
- Cohen, P., Graves, H.C.B., Peehl, D.M., Kamarei, M., Giudice, L.C. and Rosenfeld, R.G. Prostate-specific antigen (PSA) is an insulin-like growth factor binding protein-3 protease found in seminal plasma. *J. Clin. Endocrin. Metab.* 74:1046-1053, 1992.
- Brothman, A.R., Patel, A.K., Peehl, D.M., and Schellhammer, P.F. Analysis of prostatic tumor cultures using fluorescence in-situ hybridization (FISH). *Cancer Genet. Cytogenet.* 62:180-185, 1992.
- Peehl, D.M. Oncogenes in prostate cancer: an update. *Cancer (Suppl.)* 71:1159-1164, 1993.
- Cohen, P., Peehl, D.M., Stamey, T.A., Wilson, K.F., Clemmons, D.R. and Rosenfeld, R.G. Elevated levels of insulin-like growth factor binding

protein-2 in the serum of prostate cancer patients. J. Clin. Endocrin. Metab. 76:1031-1035, 1993.

Skowronski, R.J., Peehl, D.M. and Feldman, D. Vitamin D and prostate cancer: 1,25-dihydroxyvitamin D₃ receptors and actions in prostate cancer cell lines. Endocrinology 132:1952-1960, 1993.

Pastan, I., Lovelace, E., Rutherford, A.V., Kunwar, S., Willingham, M.C. and Peehl, D.M. PRI - a monoclonal antibody that reacts with an antigen on the surface of normal and malignant prostate cells. J. Natl. Cancer Inst. 85:1149-1154, 1993.

Peehl, D.M., Wong, S.T. and Stamey, T.A. Vitamin A regulates proliferation and differentiation of human prostatic epithelial cells. Prostate 23:69-78, 1993.

Cohen, P., Peehl, D.M. and Rosenfeld, R.G. The IGF axis in the prostate. Horm. Metab. Res. 26:81-84, 1994.

Peehl, D.M., Skowronski, R.J., Leung, G.K., Wong, S.T., Stamey, T.A. and Feldman, D. Antiproliferative effects of 1,25-dihydroxyvitamin D₃ on primary cultures of human prostatic cells. Cancer Res. 54:1-6, 1994.

Peehl, D.M. The male reproductive system: prostatic cell lines. In: Atlas of Human Tumor Cell Lines, Hay, R.J., Park, J.-G., and Gazdar, A. (eds.), Academic Press, San Diego, pp. 387-411, 1994.

Lee, M.-S., Garkovenko, E., Yun, J.S., Weijerman, P.C., Peehl, D.M., Chen, L.-S. and Rhim, J.S. Characterization of adult human prostatic epithelial cells immortalized by polybrene - induced DNA transfection with a plasmid containing an origin - defective SV40 genome. Intl. J. Oncology 4:821-830, 1994.

Weijerman, P.C., Romijn, H.C. and Peehl, D.M. Human papilloma virus type 18 DNA immortalized cell lines from the human prostate epithelium. Prog. Clin. Biol. Res. 386:67-69, 1994.

Peehl, D.M., Leung, G.K., Wong, S.T. and Stamey, T.A. Keratin expression: a measure of phenotypic modulation of prostatic epithelial cells by growth inhibitory factors. Cell Tissue Res. 277:11-18, 1994.

Peehl, D.M., Skowronski, R.J. and Feldman, D. Role of vitamin D - receptors in prostate cancer. In: Sex Hormones and Antihormones in Endocrine Dependent Pathology: Basic and Clinical Aspects, Motta, M. and Serio, M. (eds), Elsevier, Amsterdam, pp. 23-31, 1994.

- Cohen, P., Peehl, D.M., Graves, H.C.B. and Rosenfeld, R.G. Biological effects of prostate specific antigen as an insulin-like growth factor binding protein-3 protease. *J. Endocrin.* 142:407-415, 1994.
- Weijerman, P.C., Konig, J.J., Wong, S.T., Niesters, H.G.M. and Peehl, D.M. Lipofection-mediated immortalization of human prostatic epithelial cells of normal and malignant origin using human papillomavirus type 18 DNA. *Cancer Res.* 54:5579-5583, 1994.
- Peehl, D.M., Skowronski, R.J. and Feldman, D. Vitamin D and prostate cancer. In: *Fundamental Approaches to the Diagnosis and Treatment of Prostate Cancer and BPH*, Imai, K., Shimazaki, J. and Karr, J.P. (eds), Adenine Press, Inc., New York, pp. 057-061, 1994.
- Peehl, D.M., Erickson, E., Malspeis, L., Mayo, J., Camalier, R.F., Monks, A., Cronise, P., Paull, K. and Grever, M.R. In vitro prostate cancer drug screen. In: *Fundamental Approaches to the Diagnosis and Treatment of Prostate Cancer and BPH*, Imai, K., Shimazaki, J. and Karr, J.P. (eds), Adenine Press, Inc., New York, pp. 203-207, 1994.
- Lee, K.-O, Oh, Y., Giudice, L.C., Cohen, P., Peehl, D.M. and Rosenfeld, R.G. Identification of insulin-like growth factor binding protein (IGFBP)-3 fragments, and IGFBP-5 proteolytic activity in human seminal plasma: a comparison of normal and vasectomized patients. *J. Clin. Endocrin. Metab.* 79:1367-1372, 1994.
- Cohen, P., Peehl, D.M., Baker, B., Liu, F., Hintz, R.L. and Rosenfeld, R.G. Insulin-like growth factor abnormalities in prostatic stromal cells from patients with benign prostatic hyperplasia. *J. Clin. Endocrin. Metab.* 79:1410-1415, 1994.
- Cohen, P., Peehl, D.M., Bhala, A., Dong, G., Hintz, R.L. and Rosenfeld, R.G. The IGF axis in prostatic disease. In: *The Insulin-like Growth Factors and their Regulatory Proteins*, Baxter, R.C., Gluckman, P.D. and Rosenfeld, R.G., eds., Elsevier Science B.V., Amsterdam, pp. 291-299, 1994.
- Skowronski, R.J., Peehl, D.M. and Feldman, D. Actions of vitamin D₃ analogs on human prostate cancer cell lines: comparison with 1, 25-dihydroxyvitamin D₃. *Endocrinology* 136:1-7, 1995.
- Peehl, D.M. Basic biological studies of prostate disease: translation to clinical application. *Monographs Urol.* 16:19-37, 1995.
- Peehl, D.M. PSA role and function. *Cancer (Suppl.)* 75:2021-2026, 1995.

- Peehl, D.M., Wong, S.T. and Rhim, J.S. Altered growth regulation of prostatic epithelial cells by human papillomavirus-induced transformation. *Int. J. Oncology* 6:1177-1184, 1995.
- Girinsky, T., Koumenis, C., Graeber, T.G., Peehl, D.M. and Giaccia, A.J. Attenuated response of p53 and p21 in primary cultures of human prostatic epithelial cells exposed to DNA- damaging agents. *Cancer Res.* 55:3726-3731, 1995.
- Feldman, D., Skowronski, R. J. and Peehl, D.M. Vitamin D and prostate cancer. *Adv. Expt. Med. Biol.* 375:53-63, 1995.
- Peehl, D.M. and Rubin, J.S. Keratinocyte growth factor: an androgen-regulated mediator of stromal-epithelial interactions in the prostate. *World J. Urol.* 13:312-317, 1995.
- Peehl, D.M., Cohen, P. and Rosenfeld, R.G. The insulin-like growth factor system in the prostate. *World J. Urol.* 13:306-311, 1995.
- Peehl, D.M., Wong, S.T., Cramer, S.D., Gross, C., and Feldman, D. Suramin, hydrocortisone and retinoic acid modify inhibitory effects of 1,25-dihydroxyvitamin D₃ on prostatic epithelial cells. *Urol. Oncol.* 1:188-194, 1995.
- Gross, C., Skowronski, R.J., Plymate, S.R., Rhim, J.S., Peehl, D.M. and Feldman, D. Simian virus 40-, but not human papillomavirus-, transformation of prostatic epithelial cells results in loss of growth-inhibition by 1,25-dihydroxyvitamin D₃. *Int. J. Oncol.* 8:41-47, 1996.
- Peehl, D.M. Cellular biology of prostatic growth factors. *Prostate Suppl.* 6:74-78, 1996.
- Peehl, D.M., Wong, S.T. and Rubin, J.S. KGF and EGF differentially regulate the phenotype of prostatic epithelial cells. *Growth Reg.* 6:22-31, 1996.
- Peehl, D.M., Cohen, P. and Rosenfeld, R.G. The role of insulin-like growth factors in prostate biology. *J. Androl.* 17:2-4, 1996.
- Peehl, D.M. Prostatic growth factors, cancer and steroid hormone activity. In: *Hormones and Cancer*, Vedeckis, W.V. (ed.), Birkhäuser, Boston, pp. 415-444, 1996.
- Peehl, D.M., Wong, S.T. and Rhim, J.S. Transformation- altered growth factor responses of human prostatic epithelial cells. *Rad. Oncol. Invest.* 3:330-332, 1996.

- Rhim, J.S., Peehl, D.M., Webber, M.M., Jay, G. and Dritschilo, A. In vitro multistep human prostate epithelial cell models for studying prostate carcinogenesis. *Rad. Oncol. Invest.* 3:326-329, 1996.
- Cramer, S.D., Peehl, D.M., Edgar, M.G., Wong, S.T., Deftos, L.J. and Feldman, D. Parathyroid hormone-related protein (PTHrP) is an epidermal growth factor-regulated secretory product of human prostatic epithelial cells. *Prostate* 29:20-29, 1996.
- Turek, P.J., Malkowicz, S.B., Tomaszewski, J.E., Wein, A.J. and Peehl, D.M. The role of the Sertoli cell in active immunosuppression in the human testis. *Br. J. Urol.* 77:891-895, 1996.
- Peehl, D.M. Basic biological studies of prostate disease: translation to clinical application. *AUA Update Series XV*: 230-235, 1996.
- Peehl, D.M., Sellers, R.G. and McNeal, J.E. Keratin 19 in the adult human prostate: tissue and cell culture studies. *Cell Tissue Res.* 285:171-176, 1996.
- Cramer, S.D., Chen, Z. and Peehl, D.M. Prostate specific antigen cleaves parathyroid hormone-related protein (PTHrP) in the PTH-domain: inactivation of PTHrP-stimulated cAMP accumulation in mouse osteoblasts. *J. Urol.* 156:526-531, 1996.
- Rajah, R., Bhala, A., Nunn, S.E., Peehl, D.M. and Cohen, P. 7S nerve growth factor is an insulin-like growth factor binding protein protease. *Endocrinology* 137:2676-2682, 1996.
- Peehl, D.M. Molecular biology of prostate cancer. *FORUM Trends in Expt. Clin. Med.* 6.4:418-428, 1996.
- Bosland, M.C., Chung, L.W.K., Greenberg, N.M., Ho, S., Isaacs, J.T., Lane, K., Peehl, D.M., Thompson, T.C., van Steenbrugge, G.J. and van Weerden, W.M. Recent advances in the development of animal and cell culture models for prostate cancer research. A minireview. *Urol. Oncol.* 2:99-128, 1996.
- Miniati, D.N., Chang, Y., Shu, W.-P., Peehl, D.M., and Liu, B.C.-S. Role of prostatic basal cells in the regulation and suppression of human prostate cancer cells. *Cancer Lett.* 104:137-144, 1996.
- Peehl, D.M., Edgar, M.G., Cramer, S.D. and Deftos, L.J. Parathyroid hormone-related protein (PTHrP) is not an autocrine growth factor for normal prostatic epithelial cells. *Prostate* 31: 47-52, 1997.

- Peehl, D.M. and Sellers, R.G. Induction of smooth muscle cell phenotype in cultured human prostatic stromal cells. *Expt. Cell Res.* 232:208-215, 1997.
- Nunn, S.E., Peehl, D.M. and Cohen, P. Acid-activated insulin-like growth factor binding protein protease activity of cathepsin D in normal and malignant prostatic epithelial cells and seminal plasma. *J.Cell. Physiol.* 171:196-204, 1997.
- Dong, G., Rajah, R., Vu, T., Hoffman, A.R., Rosenfeld, R.G., Roberts, C.T., Jr., Peehl, D.M. and Cohen, P. Decreased expression of Wilms' tumor gene WT-1 and elevated expression of insulin growth factor-II (IGF-II) and type I IGF receptor genes in prostatic stromal cells from patients with benign prostatic hyperplasia. *J. Clin. Endocrin. Metab.* 82: 2198-2203, 1997.
- Terris, M.K. and Peehl, D.M. Human papillomavirus detection by polymerase chain reaction in benign and malignant prostate tissue is dependent on the primer set utilized. *Urology* 50:150-156, 1997.
- Zhao, X.-Y., Ly, L.H., Peehl, D.M. and Feldman, D. 1α , 25-dihydroxyvitamin D₃ actions in LNCaP human prostate cancer cells are androgen-dependent. *Endocrinology* 138: 3920-3928, 1997.
- Peehl, D.M., Wong, S.T., Sellers, R.G., Jin, S. and Rhim, J.S. Loss of response to epidermal growth factor and retinoic acid accompanies transformation of human prostatic epithelial cells to tumorigenicity with v-Ki-ras. *Carcinogenesis* 18:1643-1650, 1997.
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- Lin, H.-K., Jez, J.M., Schlegel, B.P., Peehl, D.M., Pachter, J.A. and Penning, T.M. Expression and characterization of recombinant type 2 3α -hydroxysteroid dehydrogenase (HSD) from human prostate: demonstration of bifunctional $3\alpha(17\beta)$ -HSD activity and cellular distribution. *Mol. Endocrin.* 11:1971-1984, 1997.
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