

May 16, 2009
CURRICULUM VITAE

PERSONAL DATA

Name: Shuyuan Yeh

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EDUCATION

Undergraduate:

B.S., Medical Biotechnology, National Taiwan University, Taiwan,
1984- 1988.

Graduate:

M.S., Biological Science, National Taiwan University, Taiwan,
1989-1991.

Ph.D., Endocrinology, University of Wisconsin, Madison, WI,
1992-1996.

POSTDOCTORAL TRAINING

Department of Medical Oncology, University of Wisconsin Comprehensive Cancer
Center, UW-Madison, *1996- 1997.*

Department of Pathology & Laboratory of Medicine, University of Rochester, Rochester
NY, *1997-1999.*

ACADEMIC POSITION

Assistant Professor

Department of Urology & Pathology, University of Rochester, *2000- 2006.*

Associate Professor

Department of Urology & Pathology, University of Rochester, *April, 2006-present.*

HONORS and AWARDS:

- 1995 CaPCURE Research Award (Co-P.I.) \$100,000 for "Cloning Androgen Receptor Coactivators".
- 1996 Keystone Meeting Travel Award for Outstanding Oral Presentation., Steroid Receptor Symposium
- 1996 CaPCURE Research Award (Co-P.I.), \$100,000 for "Potential New Antiandrogens Based on Discovery of Androgen Receptor Coactivators".
- 1997 Travel Award for Outstanding Oral Presentation, The Endocrine Annual Meeting, Minneapolis, MN
- 1999 NIH Postdoctoral Fellowship.
- 2001 AACR Steroid Receptor Symposium: Outstanding Young Investigator Award.
- 2003 85th Endocrine Annual Meeting Traveling Award for Outstanding Oral Presentation, Philadelphia.
- 2003 Selected poster discussion section in AUA meeting, Chicago, IL.
- 2006 Outstanding publication award in Department of Pathology at University of Rochester during 2005-2006
- 2006 Selected Poster discussion section in AUA meeting, Atlanta, GA.

PATENT and INVENTION

- 1996 Specific Co-Activator for Human Androgen Receptor (WARF:P96058US. Patent No. 5789170)
- 2004 The therapeutic mechanism and application of alpha-Vitamin E analog in cancer (Patent pending)

INVITED SPEAKER

- 1996 Keystone Steroid Receptor Symposium
- 1996 Endocrinology and Reproductive Physiology Program, UW-Madison
- 1997 The Endocrine Annual Meeting, Minneapolis, MN
- 1998 Dept. of Pathology, University of Rochester, Rochester, NY.
- 2000 Dept. of Urology, University of Rochester, Rochester, NY.
- 2001 Dept of Biological Science, National Taiwan University
- 2001 Grant round talk, University of Rochester, NY
- 2002 American Cancer Society, Rochester, NY (July, 02)
- 2002 American and Taiwan Urology Association annual meeting.
- 2003 85th Endocrine Society annual meeting, Philadelphia (June 19-22)
- 2004 Roswell Park Cancer Institute, Buffalo, NY (Hosted by Ip Clement, Feb 3)
- 2005 American and Taiwan Endocrinology Association Annual Meeting, Taipei
- 2006 University of Texas at Austin (Hosted by Kimberly Kline, March 22);
Roswell Park Cancer Institute, Buffalo (Hosted by Ip Clement, Feb 26);
Asia Andrology Symposium, Taipei, Taiwan (Nov 06)
- 2007 Southwestern (March, 07); Gorden Conference "Nuclear Hormone Receptors in Development and Cancer (July 07); U of Pittsburgh (Sep, 07); U of Maryland (Oct, 07); Medical College of Wisconsin (Nov, 07)
- 2008 University of Buffalo; AUA meeting

MEMBERSHIP of PROFESSIONAL SOCIETY

- 1996 to date Endocrine Society
- 1999 to date American Association for Cancer Research

2004 to date Society for Basic Urology Research

TEACHING EXPERIENCE

Lecturer of Cancer Biology, Pathway of Pathology,
University of Rochester, Rochester, NY

Lecture for Urology resident about Urological related cancers and lab research course,
Rochester, NY

2000-present mentor for the research work of six postdoctoral fellows (Min Zhang, Yi Yin, Xinqing Wen, Yu Zhang, Yong Zhang, Tiejun Ma), three graduate students (Jing Ni, Ming Chen, Iawen Hsu), two undergraduate student (Eugene Chang, Brenna Simons), and one high school student (Philip Chang) and one technician (Matthew DiMaggio).

Graduate Student Committee

Huei-Kuan Lin 1998 July-2002 December

Twin Heith Thin 1997 July-2002 June

Zaiboy Li 1997 July-2002 June

Nancy Na 1997 July-2003 June

Mujib Muyham 1998 Sep-2003 June (Chair)

Yinqing Zhang 1999 July-2004 June

Jing Ni 2001 July- 2006 October (Mentor)

Hun-Yuan Lin 2001 July-2007 April (Chair)

Ming Chen 2002 July-2008 (Mentor)

Madhavika Serasinghe 2005-2009 April (Biochemistry) (Chair)

SERVICE ON COMMITTEE

2000 to date UR Urology Research Pilot project funding committee

2000 to date UR Urology resident interview committee

2004 to date UR Seminar Coordination Committee

GRANT REVIEW

2001 ARMY Prostate Cancer Grants (Pathobiology Study Section)

2002 NIH ORWH section (mail reviewer)

2002 ARMY Breast Cancer Grants (Pathobiology Study Section)

2002 ARMY Prostate Cancer Grants (Member of Biochemistry & Molecular Genetics Study Section)

2003 ARMY Breast Cancer Grant (Pathobiology Study Section)

2003 Cancer Research UK grant review (mail reviewer)

2004 ARMY Breast Cancer Grants;

2004 Cooperative Grants Program, U.S. Civilian Research and Development Foundation

2005 ARMY Prostate Cancer Grants (Pathobiology Study Section)

2006 Science Foundation at Kentucky

2006 American Cancer Society (Tumor Cell Biology & Endocrinology, TBE, section)

2007 American Cancer Society (member of TBE)

2007 NIH CG study section (Ad Hoc for June, October's study sections)

2008 American Cancer Society (Feb, member of TBE study section)

2008 DOD Breast Cancer Concept award (April, online review)

2008 DOD Prostate Cancer training grant (PCT#2 September)

2008 NIH CG study section (Feb, June, October, member since July 08)

2009 QNRF Grant review (Feb)

2009 CG study section member (Feb, June)

SCIENTIFIC JOURNAL REVIEW

J of Clinical Investigation
EMBO J
PNAS
Cancer Research,
Clinical Cancer Research
Oncogene,
Carcinogenesis
Endocrinology
Journal of Biological Chemistry
FASEB
Cancer Letters,
Cancer Investigation
Prostate
Urology
Journal of American Pathology
Journal of Urology
Journal of National Cancer Research,
Journal of Nutrition, etc

RESEARCH PROJECTS ONGOING OR COMPLETED:

1. Title: Estrogen receptor alpha in prostate homeostasis and cancer
Agency: NCI/NIDDK. RO1 (07/01/09-06/30/14).
Budget: \$1,150,000 (direct cost)
Role: Shuyuan Yeh. Ph. D. (PI, 25%).
Goal: To study how ERα affects the prostate development, homeostasis and cancer progression using mouse model and prostate cancer cells.
2. Title: New Mice Models for Studies of Androgen Receptor in Prostate Cancer
Agency: NCI. RO1 (01/01/08-11/30/12).
Budget: \$950,000 (direct cost)
Role: Shuyuan Yeh. Ph. D (PI, 11%). Chawnshang Chang (PI, 10%);
Goal: To study how AR affects the prostate cancer incidence and progression using mouse model and prostate cancer cells.
3. Title: Loss of Androgen Receptor Promotes Metastatic Prostate Cancer
Agency: NCI. RO1 (10/01/07-09/30/11).
Budget: \$950,000
Role: Shuyuan Yeh. Ph. D (PI, 11%). Chawnshang Chang (PI, 10%);
Goal: To study how AR affects the prostate cancer metastasis using transgenic mouse model and orthotopic implanted cancer model.
4. Title: ‘Functional Mechanism and Clinical Correlation of TAP/Sec14 L2 in Prostate Cancer’
Agency: DOD army, 9/1/08-8/31/11
Budget: \$375,000 (direct cost)
Role: Shuyuan Yeh. Ph. D (PI, 25%).
Goal: The major goals of this project are (1) to functionalize characterization of tocopherol associated protein (TAP) in prostate cancer progression and (2) to correlate expression status of TAP in cancer tissues with the clinical outcome of PCa patients.

RESEARCH PROJECTS COMPLETED:

5. Title: MAP kinase signal on AR and AR coregulators in prostate cancer
Agency: NIH. RO1 DK60912 (10/01/01-08/31/07) no cost extension 1yr.
Budget: \$1,120,000 (Direct+indirect cost).
Role: Shuyuan Yeh. Ph.D (PI: 30%).
Goal: To study how MAP Kinase cross talks to AR-ARAs signals
6. Title: “Vitamin E derivatives as selective anti-cancer agents: structure activity relationship and mechanism”
Agency: Pardee Foundation (09/01/07-08/31/08)
Budget: \$100,000
Role: Shuyuan Yeh (co-PI:17%), Sherry Chemler (PI: 17%, SUNY-Buffalo)
7. Title: Functional connection between BRCA1, AR coregulators, and Androgen Receptor.
Agency: ARMY, Department of Defense, DAMD17-01-1-0386 (07/01/01-06/30/05).
PI: Shuyuan Yeh. Ph. D.
Budget: \$376,420 (Direct+ indirect cost).
Goals: To study functional connection among AR, BRCA1, and AR associated proteins.
8. Title: Targeted disruption of androgen receptor”.
Agency: Army, Department of Defense DAMD17-02-1-0557 (9/1/02-08/31/06).
PI: Shuyuan Yeh. Ph. D.
Budget: \$480,000 (Direct+ indirect cost).
Goals: To establish an in vivo system for analyzing the role of AR in the selective AR target organs
9. Title: Functional Characterization of Androgen Receptor in Breast cancer”.
Agency: New York, Empire Grant. (4/1/02-05/31/04)
PI: Shuyuan Yeh. Ph. D.
Budget: \$200,000 (Direct+ indirect cost).
Goals: To analyze the roles of AR in the breast development and breast cancer
10. Title: Functional connection between BRCA 1 and Androgen Receptor.
Agency: ARMY, Department of Defense, 1 years (06/01/01—08/31/02).
DAMD17-01-1-0614
Principal Investigator: Shuyuan Yeh. Ph. D.
Budget: \$80,000 (Direct+indirect cost).
Major goals: The major goals of this project are to functional connection between AR, and BRCA1.

In sum, my research projects focus on

- (1) Estrogen receptor (ER) and androgen receptor (AR) related studies in prostate development and cancer.
- (2) The functional mechanisms of vitamin E analog, associated protein (TAP/Sec14L2), related functions in prostate cancer and breast cancer.

BIBLIOGRAPHY

Peer-Reviewed Articles (total 73)

1. **Yeh S**, Mizokami A, Chang C (1994). Identification of cAMP response element and other cis-acting elements in human androgen receptor gene promoter. Mol. Endocrinol 8: 77-88.
2. Chang C, Ideta R, Lee Y, **Yeh S**, Silva S, Burbach P. (1994) Molecular cloning of human and rat TR4 orphan receptor: a new member of the steroid receptor superfamily. Proc. Natl. Acad. Sci., USA 91: 6040-6044.

3. Ideta R, **Yeh S**, Lee Y, Adachi K, Su C, Chang C. (1995) Gene expression of the androgen repressed rat TR2 orphan receptor: a member of steroid receptor superfamily. Endocrine 3: 277-283.
4. **Yeh S**, Chang C. (1996) Cloning and characterization of a specific co-activator, ARA70, for the androgen receptor in human prostate cells. Proc. Natl. Acad. Sci., USA 93: 5517-5521.
5. **Yeh S**, Miyamoto H, Chang C. (1997) Hydroxyflutamide may not always be a pure antiandrogen. The Lancet 349: 852-853.
6. **Yeh S**, Miyamoto H, Shima, H & Chang C. (1998) From estrogen to androgen receptor: new pathway for sex hormones in prostate. Proc. Natl. Acad. Sci., USA 95: 5527-5532.
7. Miyamoto H, **Yeh S**, Wilding G, and Chang C. (1998) Promotion of agonist activity of antiandrogens by the androgen receptor coactivator, ARA70 in human prostate cancer DU145 cells. Proc Natl. Acad. Sci., USA 95: 7379-7384.
8. **Yeh S**, Miyamoto H, Nishimura K, Letlow J, Wang C, Hsiao P, Su C and Chang C. (1998) Retinoblastoma, a tumor suppressor, is a coactivator for the androgen receptor in human prostate cancer DU145 cells. Biomed. Biophys. Res. Comm. 248(2): 361-367.
9. Miyamoto H, **Yeh S**, Wilding G, Messing E and Chang C (1998) "deita5-androstenediol is a nature hormone with androgeneic activity in human prostate cancer cells. Proc Natl Acad Sci USA. 95: 11083-11088.
10. **Yeh S***, Kang H*, Fujimoto N, and Chang C (1999) "A novel protein that associates with the androgen receptor: cloning and characterization of a coactivator, ARA54, in human prostate cells." J.Biol.Chem 274: 8570-8576.
11. Fujimoto N, **Yeh S**, Kang HY, Inui S, Chang HC, Mizokami A, Chang C. (1999) Cloning and characterization of an androgen receptor associated protein, ARA55, in human prostate. J. Biol. Chem. 274: 8316-8321.
12. Yang C-R, **Yeh S.**, Leskov K., Odegaard E., Hsu H.-L., Chang C., Kinsella T. J., Chen D. J., and Boothman, D. A. (1999) Isolation of Ku70-Binding Proteins (KUBs). Nucleic Acid Research 27: 2165-2174.
13. **Yeh S**, Lin HK, Kang HY, Lin MF, and Chang C. (1999) From HER2/Neu Signal Cascade to Androgen Receptor and its Coactivators: A New Pathway by Induction of Androgen Target Genes through MAP Kinase in Prostate Cancer Cells. Proc Natl Acad Sci USA 96: 5458-5463.
14. **Yeh S***, Heinlein C*, Ting H*, and Chang C. (1999) Identification of ARA70 as a ligand-enhanced coactivator of the peroxisome proliferator-activated receptor gamma. J.Biol.Chem. 274: 16147-16152.
15. Chang H.-C., Miyamoto H, Marwah P, Lardy H, **Yeh S**, Huang K.-E., and Chang C. (1999) Suppression of 5-androstenediol-induced androgen receptor transactivation by selective steroids in human prostate cancer cells. Proc Natl Acad Sci USA. 96: 11173-11177.
16. **Yeh S**, Kang HY, Miyamoto H, Nishimura K, Chang HC, Ting HJ, Rahman M, Lin HK, Fugimoto N, Hu YC, Mizokami A, Huang KE, and Chang C. (1999) Modulation of the Specificity of the Sex Hormones and Antiandrogens by Selective Androgen Receptor Coactivators in Human Prostate DU145 Cells. Endocrine. 11:195-202.
17. **Yeh S**, Hu Y Rahman M, Lin H, Ting H, Kang H-Y, and Chang C. (2000) "Increase of androgen induced cell death and androgen receptor transactivation by BRCA1 in prostate cancer cells " Proc Natl Acad Sci 97, 11256-11261.

18. Kang H-Y, Lin H-K, Hu Y-C, **Yeh S**, Huang KE, and Chang C (2001). "From TGF- β signaling to androgen action: Identification of Smad3 as an androgen receptor coregulator in prostate cancer cells" Proc Natl. Acad. Sci USA.
20. **Yeh S***, Lin HK*, Kang HY, Chang C. (2001) Akt suppresses androgen-induced apoptosis by phosphorylating and inhibiting androgen receptor. Proc Natl Acad Sci U S A. 98(13):7200-5.
21. **Yeh S***, Wang X*, Wu G, Hsu CL, Wang L, Chiang T, Yang Y, Guo Y, Chang C. (2001) Identification and characterization of a novel androgen receptor coregulator ARA267-alpha in prostate cancer cells. J Biol Chem. 276:40417-23.
22. Miyamoto H, Rahman M, Takatera H, Kang HY, **Yeh S**, Chang HC, Nishimura K, Fujimoto N, Chang C (2002). A Dominant-negative Mutant of Androgen Receptor Coregulator ARA54 Inhibits Androgen Receptor-mediated Prostate Cancer Growth. J Biol Chem. 277(7):4609-17.
23. Ting HJ, **Yeh S**, Nishimura K, Chang C. (2002) Supervillin associates with androgen receptor and modulates its transcriptional activity. Proc Natl Acad Sci U S A. 99(2):661-6.
24. Wang X, Yang Y, Guo X, Sampson E, Hsu CL, Tsai MY, **Yeh S**, Wu G, Guo Y, Chang C (2002). Suppression of androgen receptor transactivation by Pyk2 via interaction and phosphorylation of the ARA55 coregulator. J Biol Chem. 277: 15426-15431.
25. Zhang Y, Ni J, Chang E, Messing EM, Yang CY and **Yeh S**. (2002) "alpha-Vitamin E succinate Inhibits of the Function of Androgen Receptor and the Expression of Prostate Specific Antigen in Prostate Cancer Cells. Proc Natl Acad Sci U S A 99: 7408-7413.
26. Thin TH, Kim E, **Yeh S**, Sampson ER, Chen YT, Collins LL, Basavappa R, Chang C (2002). Mutations in the helix 3 region of the androgen receptor abrogate ARA70 promotion of 17 β -estradiol-induced androgen receptor transactivation. J Biol Chem. 277(39): 36499-508.
27. **Yeh S**, Tsai MY, Xu Q, Mu XM, Lardy H, Huang KE, Lin H, Yeh SD, Altuwajri S, Zhou X, Xing L, Boyce BF, Hung MC, Zhang S, Gan L, Hung MC, Chang C. (2002). Generation and characterization of androgen receptor knockout (ARKO) mice: an in vivo model for the study of androgen functions in selective tissues. Proc Natl Acad Sci U S A. 99(21): 13498-503.
28. Rahman MM, Miyamoto H, Takatera H, **Yeh S**, Altuwajri S, Chang C. (2003) Reducing the agonist activity of antiandrogens by a dominant-negative androgen receptor coregulator ARA70 in prostate cancer cells. J Biol Chem. 278(22): 19619-26.
29. **Yeh S***, Hsu CL*, Chen YL*, Ting HJ, Hu YC, Lin H, Wang X, Chang C. (2003) The use of phage display technique for the isolation of androgen receptor interacting peptides with (F/W)XXL(F/W) and FXXLY new signature motifs. J Biol Chem. 278(26): 23691-8.
30. Nishimura K, Ting HJ, Harada Y, Tokizane T, Nonomura N, Kang HY, Chang HC, **Yeh S**, Miyamoto H, Shin M, Aozasa K, Okuyama A, Chang C. (2003) Modulation of androgen receptor transactivation by gelsolin: a newly identified androgen receptor coregulator. Cancer Res. 63(16): 4888-94.
31. Altuwajri S, Lin HK, Chuang KH, Lin WJ, **Yeh S**, Hanchett LA, Rahman MM, Kang HY, Tsai MY, Zhang Y, Yang L, Chang C. (2003) Interruption of nuclear factor kappaB signaling by the androgen receptor facilitates 12-O-tetradecanoylphorbolacetate-induced apoptosis in androgen-sensitive prostate cancer LNCaP cells. Cancer Res. 63(21):7106-12.
32. **Yeh S**, Hu YC, Wang PH, Xie C, Xu Q, Tsai MY, Dong Z, Wang RS, Lee TH, Chang C. (2003). Abnormal Mammary Gland Development and Growth Retardation in Female Mice and MCF7 Breast Cancer Cells Lacking Androgen Receptor. J Exp Med. 198(12):1899-908.
33. Zhang Y, Yang Y, **Yeh S**, Chang C. (2004). ARA67/PAT1 Functions as a Repressor To Suppress Androgen Receptor Transactivation. Mol Cell Biol. 24(3): 1044-1057.
34. Hu YC, Wang PH, **Yeh S**, Xie C, Zhou X, Xu Q, Chao HT, Tsai MY, and Chang (2004). "Subfertility and defective folliculogenesis in female mice lacking androgen receptor." Proc Natl. Acad. Sci. USA 101, 11209-11214.
35. Wang L, Hsu CL, Ni J, Wang PH, **Yeh S**, Ken P and Chang C (2004). "Human checkpoint protein hRad9 functions as a negative coregulator to repress androgen receptor transactivation in prostate cancer cells" Mole Cell Biol. 24, 2202-2213.

36. Chang C, Chen YT, Yeh SD, Xu Q, Guillou F, and **Yeh S** (2004). "Infertility with defective spermatogenesis and hypotestosteronemia in mice lacking androgen receptor in Sertoli cells." Proc Natl. Acad. Sci. USA 101, 6876-6881.
37. **Yeh S***, Hu YC*, Yeh SD, Sampson E, Li P, Hsu CL, Ting H, Lin H, Wang L, Kim E and Chang C (2004). "Functional Domain and Motif analyses of androgen receptor coregulator ARA70 and its differential expression in prostate cancer." JBC 279, 33438-46.
38. Altuwajiri S, Lee DK, Chuang KH, Ting HJ, Yang Z, Xu Q, Tsai MY, **Yeh S**, Hanchett LA, Chang HC and Chang C (2004). "Androgen receptor regulates expression of skeletal muscle specific proteins and muscle cell types." Endocrine. 25: 27-32.
39. Li R, Ni J, Bourne PA, Yeh S, Yao J, di Sant'Agnesse PA, Huang J. (2005) Cell culture block array for immunocytochemical study of protein expression in cultured cells. Appl Immunohistochem Mol Morphol. 13(1):85-90.
40. Cai G, Huang H, Shapiro E, Zhou H, **Yeh S**, Melamed J, Greco MA, Lee P. (2005) Expression of androgen receptor associated protein 55 (ARA55) in the developing human fetal prostate. J Urol. 173(6):2190-3.
41. Lin HY, Xu Q, **Yeh S**, Wang RS, Sparks JD and Chang C (2005). "Insulin and leptin resistance with hyperleptinemia in mice lacking androgen receptor." Diabetes. 54, 1717-25.
42. Wang RS, **Yeh S**, Chen LM, Lin HY, Zhang C, Ni J, Wu CC, di Sant'Agnesse PA, deMesy-Bentley KL, Tzeng CR, Chang C.(2006) Androgen receptor in sertoli cell is essential for germ cell nursery and junctional complex formation in mouse testes. Endocrinology. 147(12):5624-33.
43. **Yeh S***, Zhang C*, Chen YT*, Wu CC, Chuang KH, Lin HY, Wang RS, Chang YJ, Mendis-Handagama C, Hu L, Lardy H, Chang C. (2006) Oligozoospermia with normal fertility in male mice lacking the androgen receptor in testis peritubular myoid cells. Proc Natl Acad Sci U S A.103(47):17718-23.
44. Tsai MY, Yeh SD, Wang RS, **Yeh S**, Zhang C, Lin HY, Tzeng CR, Chang C. (2006) Differential effects of spermatogenesis and fertility in mice lacking androgen receptor in individual testis cells. Proc Natl Acad Sci. USA. 103(50):18975-80.
45. Yang Z, Chang YJ, Miyamoto H, **Yeh S**, Yao JL, di Sant'agnese PA, Tsai MY, Chang C. (2007) Suppression of Androgen Receptor Transactivation and Prostate Cancer Cell Growth by Heterogeneous Nuclear Ribonucleoprotein A1 via Interaction with ndrogen receptotr coregulator ARA54. Endocrinology 148(3):1340-9.
46. Yang Z, Chang YJ, Yu IC, **Yeh S**, Wu CC, Miyamoto H, Merry DE, Sobue G, Chen LM, Chang SS, Chang C. (2007) ASC-J9 ameliorates spinal and bulbar muscular atrophy phenotype via degradation of androgen receptor. Nat Med. 13(3):348-53.
47. Miyamoto H, Yang Z, Chen YT, Ishiguro H, Uemura H, Kubota Y, Nagashima Y, Chang YJ, Hu YC, Tsai MY, **Yeh S**, Messing EM, Chang C. (2007) Promotion of bladder cancer development and progression by androgen receptor signals. J Natl Cancer Inst. 99(7):558-68.
48. Wu CT, Altuwajiri S, Ricke WA, Huang SP, **Yeh S**, Zhang C, Niu Y, Tsai MY, Chang C. Increased prostate cell proliferation and loss of cell differentiation in mice lacking prostate epithelial androgen receptor. Proc Natl Acad Sci U S A. 2007 Jul 31;104(31):12679-84.
49. Xu Q, Lin HY, Yeh SD, Yu IC, Wang RS, Chen YT, Zhang C, Altuwajiri S, Chen LM, Chuang KH, Chiang HS, **Yeh S**, Chang C. Infertility with defective spermatogenesis and steroidogenesis in male mice lacking androgen receptor in Leydig cells. Endocrine. 2007 Aug;32(1):96-106. Epub 2007 Oct 23.
50. Yu IC, Lin HY, Liu NC, Wang RS, Sparks JD, **Yeh S**, Chang C. Hyperleptinemia without obesity in male mice lacking androgen receptor in adipose tissue. Endocrinology. 2008

May;149(5):2361-8. Epub 2008 Feb 14.

51. Lin HY, Yu IC, Wang RS, Chen YT, Liu NC, Altuwajiri S, Hsu CL, Ma WL, Jokinen J, Sparks JD, **Yeh S**, Chang C. Increased hepatic steatosis and insulin resistance in mice lacking hepatic androgen receptor. Hepatology. 2008 Jun;47(6):1924-35. PMID: 18449947
52. Ma WL, Hsu CL, Wu MH, Wu CT, Wu CC, Lai JJ, Jou YS, Chen CW, **Yeh S**, Chang C. Androgen Receptor Is a New Potential Therapeutic Target for the Treatment of Hepatocellular Carcinoma. Gastroenterology. 2008 Sep;135(3):947-55, 955.e1-5. PMID: 18639551
53. Niu Y, Altuwajiri S, Yeh S, Lai KP, **Yu S**, Chuang KH, Huang SP, Lardy H, Chang C. Targeting the stromal androgen receptor in primary prostate tumors at earlier stages. Proc Natl Acad Sci U S A. 2008 Aug 26;105(34):12188-93.
54. Niu Y, Altuwajiri S, Lai KP, Wu CT, Rieke WA, Messing EM, Yao J, **Yeh S**, Chang C. Androgen receptor is a tumor suppressor and proliferator in prostate cancer. Proc Natl Acad Sci U S A. 2008 Aug 26;105(34):12182-7.
55. Niu Y, **Yeh S**, Miyamoto H, Li G, Altuwajiri S, Yuan J, Han R, Ma T, Kuo HC, Chang C. Tissue prostate-specific antigen facilitates refractory prostate tumor progression via enhancing ARA70-regulated androgen receptor transactivation. Cancer Res. 2008 Sep 1;68(17):7110-9.
56. Yu SQ, Lai KP, Xia SJ, Chang HC, Chang C, and **Yeh S***. The diverse and contrasting effects of using human prostate cancer cell lines to study androgen receptor roles in prostate cancer. Asian J Androl. 2009 Jan;11(1):39-48. PMID: 19098932
57. Altuwajiri S, Chuang KH, Lai KP, Lai JJ, Lin HY, Young FM, Bottaro A, Tsai MY, Zeng WP, Chang HC, Yeh S, Chang C. Susceptibility to autoimmunity and B cell resistance to apoptosis in mice lacking androgen receptor in B cells. Mol Endocrinol. 2009 Apr;23(4):444-53. Epub 2009 Jan 22. PMID: 19164450

Estrogen Receptor, Vitamin E analogs, and TAP Related Peer-Reviewed Articles

58. Zhang Y, Ni J, Chang E, Messing EM, Yang CY and **Yeh S***. (2002) "alpha-Vitamin E succinate Inhibits of the Function of AR and the Expression of PSA in Prostate Cancer Cells. Proc Natl Acad Sci. USA 99: 7408-7413.
59. Ni J, Chen M, Zhang Y, Li R, Huang J, and **Yeh S***. (2003) "alpha-Vitamin E succinate regulates cell cycle related genes in prostate cancer cells" Biochem Biophys Res Commun. 300:357-63.
60. Zhang M, Altuwajiri S, and **Yeh S***. (2004) "RRR-alpha-tocopheryl succinate inhibits human prostate cancer cell invasiveness." Oncogene 23(17):3080-8.
61. Wu Y, Zu. K., Ni J, **Yeh S**, Kasi D, JamesN. S, Chemler S. R. and Ip C. (2004) "Cellular and Molecular Effects of alpha-Tocopheryloxybutyrate: Lessons for the Design of Vitamin E Analog for Cancer Prevention" Anticancer Research 24: 3795-3802.
62. Ni J Wen X, Yao J, Chang H, Yi Y, Xie S, Chen M, Di'Santagenese A, Messing EM and **Yeh S***. (2005) "Tocopherol associated protein inhibits the prostate cancer through inhibition of PI3 kinase pathway" Cancer Research 65(21): 9807-16.
63. Chang, E., Ni, J., Yin, Y., Chang, P., James, N., Chemler, S., and **Yeh, S***. (2007) α -Vitamin E derivative, α -tocpheryloxybutyric acid (TOB), inhibits the proliferation of prostate cancer cells. Asian J Androl. 9(1):31-39.

64. Ni J, Pang ST, **Yeh S**. (2007) "Differential retention of alpha-vitamin E is correlated with its transporter gene expression and growth inhibition efficacy in prostate cancer cells. Prostate 67(5):463-471. PMID: 17252538
65. Yi Y, Ni J, Chen M, DiMaggio MA, Gao Y, and **Yeh S***. (2007) The therapeutic and preventive effect of RRR-alpha-vitamin E succinate on prostate cancer via induction of insulin-like growth factor binding protein-3." Clinical Cancer Res. 2007; 13 (7):2271-80. PMID: 17404112
66. Chen M, Ni J, Zhang Y, Muyan M, and **Yeh S***. ERAP75 functions as a coactivator to enhance estrogen receptor alpha transactivation in prostate stromal cells. Prostate. 2008 Sep 1;68 (12):1273-82.
67. Yin Y, Ni J, Chen M, Guo Y, and **Yeh S***. (2009) RRR- α -Vitamin E Succinate Potentiates the Antitumor Effect of Calcitriol in Prostate Cancer without Overt Side Effects. Clin Cancer Res. 15(1):190-200. PMID: 19118046
68. Chen M, Wolfe A, Wang X, Chang C, **Yeh S***, Radovick S*. (2009) Generation and characterization of a complete null estrogen receptor alpha mouse using Cre/LoxP technology. Mol Cell Biochem. 321(1-2):145-53. PMID: 18953638
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