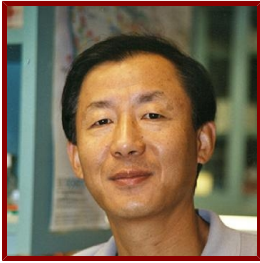


Stanford



Zijie Sun

Professor of Urology, Emeritus

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Urology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

HONORS AND AWARDS

- Best Asian American Faculty Award, Stanford University (2004)
- The FIRST Award, The National Institute of Health (1997-2002)
- Edward Livingston Trudeau Scholar, the American Lung Association (1994-1996)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Transcriptional control is a key step in the regulation of eukaryotic gene expression. Our lab focuses on understanding the molecular mechanism of transcription factors that govern the transformation of normal mammalian cells to a neoplastic state. We are especially interested in the biological roles of steroid hormone receptors and their co-regulators in development and oncogenesis. We use targeted conditional and inducible mouse models and other cellular and molecular approaches to uncover gene-expression and genomic and epigenetic alteration that occur during tumor development and progression and to functionally analyze the biological significance of these changes in oncogenic transformation. Our central goals are to identify the factors and signaling pathways that promote prostate cancer initiation and progression to castration resistant prostate cancer (CRPC) in tumor initiating cells in order to develop novel therapeutics to target these tumor cells.

CLINICAL TRIALS

- Identification and Characterization of Novel Proteins and Genes in Head and Neck Cancer, Recruiting
- In Vitro Activation of Dormant Follicles for Patients With Primary Ovarian Insufficiency, Not Recruiting
- Phase Ib/II Study of MEDI4736 Evaluated in Different Combinations in Metastatic Pancreatic Ductal Carcinoma, Not Recruiting
- Radiation Therapy in Treating Patients With Extensive Stage Small Cell Lung Cancer, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)

Publications

PUBLICATIONS

- **Androgen deprivation induces double-null prostate cancer via aberrant nuclear export and ribosomal biogenesis through HGF and Wnt activation.** *Nature communications*
Kim, W. K., Buckley, A. J., Lee, D. H., Hiroto, A., Nenninger, C. H., Olson, A. W., Wang, J., Li, Z., Vikram, R., Adzavon, Y. M., Yau, T. Y., Bao, Y., Kahn, et al
2024; 15 (1): 1231
- **Cardiovascular Impact of Androgen Deprivation Therapy: from Basic Biology to Clinical Practice.** *Current oncology reports*
Kim, J., Freeman, K., Ayala, A., Mullen, M., Sun, Z., Rhee, J.
2023
- **Stromal androgen signaling acts as tumor niches to drive prostatic basal epithelial progenitor-initiated oncogenesis.** *Nature communications*
Hiroto, A., Kim, W. K., Pineda, A., He, Y., Lee, D. H., Le, V., Olson, A. W., Aldahl, J., Nenninger, C. H., Buckley, A. J., Xiao, G. Q., Geradts, J., Sun, et al
2022; 13 (1): 6552
- **Zmiz1 is required for mature β -cell function and mass expansion upon high fat feeding.** *Molecular metabolism*
Alghamdi, T. A., Krentz, N. A., Smith, N., Spigelman, A. F., Rajesh, V., Jha, A., Ferdaoussi, M., Suzuki, K., Yang, J., Manning Fox, J. E., Sun, H., Sun, Z., Gloyn, et al
2022: 101621
- **Aberrant androgen action in prostatic progenitor cells induces oncogenesis and tumor development through IGF1 and Wnt axes.** *Nature communications*
Kim, W. K., Olson, A. W., Mi, J., Wang, J., Lee, D. H., Le, V., Hiroto, A., Aldahl, J., Nenninger, C. H., Buckley, A. J., Cardiff, R., You, S., Sun, et al
2022; 13 (1): 4364
- **Stromal androgen and hedgehog signaling regulates stem cell niches in pubertal prostate development.** *Development (Cambridge, England)*
Olson, A. W., Le, V., Wang, J., Hiroto, A., Kim, W. K., Lee, D. H., Aldahl, J., Wu, X., Kim, M., Cunha, G. R., You, S., Sun, Z.
2021
- **Androgen action in cell fate and communication during prostate development at single-cell resolution.** *Development (Cambridge, England)*
Lee, D. H., Olson, A. W., Wang, J. n., Kim, W. K., Mi, J. n., Zeng, H. n., Le, V. n., Aldahl, J. n., Hiroto, A. n., Wu, X. n., Sun, Z. n.
2021; 148 (1)
- **Androgen receptor with short polyglutamine tract preferably enhances Wnt/ β -catenin-mediated prostatic tumorigenesis.** *Oncogene*
He, Y., Mi, J., Olson, A., Aldahl, J., Hooker, E., Yu, E. J., Le, V., Lee, D. H., Kim, W. K., Robins, D. M., Geradts, J., Sun, Z.
2020
- **Aberrant activation of hepatocyte growth factor/MET signaling promotes β -catenin-mediated prostatic tumorigenesis.** *The Journal of biological chemistry*
Aldahl, J., Mi, J., Pineda, A., Kim, W. K., Olson, A., Hooker, E., He, Y., Yu, E. J., Le, V., Lee, D. H., Geradts, J., Sun, Z.
2020; 295 (2): 631-644
- **Loss of androgen signaling in mesenchymal sonic hedgehog responsive cells diminishes prostate development, growth, and regeneration.** *PLoS genetics*
Le, V., He, Y., Aldahl, J., Hooker, E., Yu, E. J., Olson, A., Kim, W. K., Lee, D. H., Wong, M., Sheng, R., Mi, J., Geradts, J., Cunha, et al
2020; 16 (1): e1008588
- **Androgen action in cell fate and communication during prostate development at single-cell resolution.** *Development (Cambridge, England)*
Lee, D. H., Olson, A. W., Wang, J. n., Kim, W. K., Mi, J. n., Zeng, H. n., Le, V. n., Aldahl, J. n., Hiroto, A. n., Wu, X. n., Sun, Z. n.
2020
- **Dual Blockade of c-MET and the Androgen Receptor in Metastatic Castration-Resistant Prostate Cancer: A Phase 1 Study of Concurrent Enzalutamide and Crizotinib.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Tripathi, A. n., Supko, J. G., Gray, K. P., Melnick, Z. n., Regan, M. M., Taplin, M. E., Choudhury, A. D., Pomerantz, M. M., Bellmunt, J. n., Yu, C. n., Sun, Z. n., Srinivas, S. n., Kantoff, et al
2020
- **The comprehensive role of E-cadherin in maintaining prostatic epithelial integrity during oncogenic transformation and tumor progression.** *PLoS genetics*
Olson, A., Le, V., Aldahl, J., Yu, E. J., Hooker, E., He, Y., Lee, D. H., Kim, W. K., Cardiff, R. D., Geradts, J., Sun, Z.
2019; 15 (10): e1008451

- **Loss of the tumor suppressor, Tp53, enhances the androgen receptor-mediated oncogenic transformation and tumor development in the mouse prostate.** *Oncogene*
He, Y., Johnson, D. T., Yang, J. S., Wu, H., You, S., Yoon, J., Lee, D., Kim, W. K., Aldahl, J., Le, V., Hooker, E., Yu, E., Geradts, et al
2019
- **Melatonin protects spermatogonia from the stress of chemotherapy and oxidation via eliminating reactive oxidative species.** *Free radical biology & medicine*
Zhang, X., Xia, Q., Wei, R., Song, H., Mi, J., Lin, Z., Yang, Y., Sun, Z., Zou, K.
2019; 137: 74-86
- **A pivotal role of androgen signaling in Notch-responsive cells in prostate development, maturation, and regeneration** *DIFFERENTIATION*
Aldahl, J., Yu, E., He, Y., Hooker, E., Wong, M., Le, V., Olson, A., Lee, D., Kim, W., Murtaugh, C. L., Cunha, G. R., Sun, Z.
2019; 107: 1–10
- **Androgen signaling is essential for development of prostate cancer initiated from prostatic basal cells** *ONCOGENE*
He, Y., Hooker, E., Yu, E., Cunha, G. R., Liao, L., Xu, J., Earl, A., Wu, H., Gonzalgo, M. L., Sun, Z.
2019; 38 (13): 2337–50
- **ZMIZ1 Variants Cause a Syndromic Neurodevelopmental Disorder.** *American journal of human genetics*
Carapito, R., Ivanova, E. L., Morlon, A., Meng, L., Molitor, A., Erdmann, E., Kieffer, B., Pichot, A., Naegely, L., Kolmer, A., Paul, N., Hanauer, A., Tran Mau-
Them, et al
2019; 104 (2): 319-330
- **Deletion of the p16INK4a tumor suppressor and expression of the androgen receptor induce sarcomatoid carcinomas with signet ring cells in the mouse prostate.** *PLoS one*
Lee, D. H., Yu, E. J., Aldahl, J., Yang, J., He, Y., Hooker, E., Le, V., Mi, J., Olson, A., Wu, H., Geradts, J., Xiao, G. Q., Gonzalgo, et al
2019; 14 (1): e0211153
- **Activation of hepatocyte growth factor/MET signaling initiates oncogenic transformation and enhances tumor aggressiveness in the murine prostate** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Mi, J., Hooker, E., Balog, S., Zeng, H., Johnson, D. T., He, Y., Yu, E., Wu, H., Vien Le, Lee, D., Aldahl, J., Gonzalgo, M. L., Sun, Z.
2018; 293 (52): 20123–36
- **An Indispensable Role of Androgen Receptor in Wnt Responsive Cells During Prostate Development, Maturation, and Regeneration** *STEM CELLS*
He, Y., Hooker, E., Yu, E., Wu, H., Cunha, G. R., Sun, Z.
2018; 36 (6): 891–902
- **LZTS2 and PTEN collaboratively regulate ss-catenin in prostatic tumorigenesis** *PLOS ONE*
Yu, E., Hooker, E., Johnson, D. T., Kwak, M. K., Zou, K., Luong, R., He, Y., Sun, Z.
2017; 12 (3)
- **YXQN Reduces Alzheimer's Disease-Like Pathology and Cognitive Decline in APPswePS1dE9 Transgenic Mice.** *Frontiers in aging neuroscience*
Wang, X. n., Song, R. n., Lu, W. n., Liu, Z. n., Wang, L. n., Zhu, X. n., Liu, Y. n., Sun, Z. n., Li, J. n., Li, X. n.
2017; 9: 157
- **Androgen signaling is a confounding factor for beta-catenin-mediated prostate tumorigenesis** *ONCOGENE*
Lee, S. H., Luong, R., Johnson, D. T., Cunha, G. R., Rivina, L., Gonzalgo, M. L., Sun, Z.
2016; 35 (6): 702-714
- **Conditional Expression of the Androgen Receptor Increases Susceptibility of Bladder Cancer in Mice** *PLOS ONE*
Johnson, D. T., Hooker, E., Luong, R., Yu, E., He, Y., Gonzalgo, M. L., Sun, Z.
2016; 11 (2)
- **Wnt/beta-Catenin-Responsive Cells in Prostatic Development and Regeneration** *STEM CELLS*
Lee, S. H., Johnson, D. T., Luong, R., Yu, E. J., Cunha, G. R., Nusse, R., Sun, Z.
2015; 33 (11): 3356-3367
- **Crosstalking between Androgen and PI3K/AKT Signaling Pathways in Prostate Cancer Cells.** *journal of biological chemistry*
Lee, S. H., Johnson, D., Luong, R., Sun, Z.
2015; 290 (5): 2759-2768

- **[Impact of AR-V7 expression on overall survival for patients with metastatic prostate cancer].** *Zhonghua wai ke za zhi [Chinese journal of surgery]*
Qu, Y., Ye, D., Dai, B., Kong, Y., Chang, K., Gu, C., Sun, Z., Zhang, H., Zhu, Y., Shi, G.
2014; 52 (8): 622-626
- **Identification of a Novel Role of ZMIZ2 Protein in Regulating the Activity of the Wnt/ β -Catenin Signaling Pathway.** *journal of biological chemistry*
Lee, S. H., Zhu, C., Peng, Y., Johnson, D. T., Lehmann, L., Sun, Z.
2013; 288 (50): 35913-35924
- **Deletion of Leucine Zipper Tumor Suppressor 2 (Lzts2) Increases Susceptibility to Tumor Development** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Johnson, D. T., Luong, R., Lee, S. H., Peng, Y., Shaltouki, A., Lee, J. T., Lin, D., Wang, Y., Sun, Z.
2013; 288 (6): 3727-3738
- **Conditional Deletion of the Pten Gene in the Mouse Prostate Induces Prostatic Intraepithelial Neoplasms at Early Ages but a Slow Progression to Prostate Tumors** *PLOS ONE*
Kwak, M. K., Johnson, D. T., Zhu, C., Lee, S. H., Ye, D., Luong, R., Sun, Z.
2013; 8 (1)
- **The Leucine Zipper Putative Tumor Suppressor 2 Protein LZTS2 Regulates Kidney Development** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Peng, Y., Clark, C., Luong, R., Tu, W. H., Lee, J., Johnson, D. T., Das, A., Carroll, T. J., Sun, Z.
2011; 286 (46): 40331-40342
- **The beta-Catenin Binding Protein ICAT Modulates Androgen Receptor Activity** *MOLECULAR ENDOCRINOLOGY*
Zhuo, M., Zhu, C., Sun, J., Weis, W. I., Sun, Z.
2011; 25 (10): 1677-1688
- **Conditional Expression of the Androgen Receptor Induces Oncogenic Transformation of the Mouse Prostate** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Zhu, C., Luong, R., Zhuo, M., Johnson, D. T., McKenney, J. K., Cunha, G. R., Sun, Z.
2011; 286 (38): 33478-33488
- **ZMIZ1 Preferably Enhances the Transcriptional Activity of Androgen Receptor with Short Polyglutamine Tract** *PLOS ONE*
Li, X., Zhu, C., Tu, W. H., Yang, N., Qin, H., Sun, Z.
2011; 6 (9)
- **Efficacy of c-Met inhibitor for advanced prostate cancer** *BMC CANCER*
Tu, W. H., Zhu, C., Clark, C., Christensen, J. G., Sun, Z.
2010; 10
- **Xeno-oestrogens and phyto-oestrogens are alternative ligands for the androgen receptor** *ASIAN JOURNAL OF ANDROLOGY*
Wang, H., Li, J., Gao, Y., Xu, Y., Pan, Y., Tsuji, I., Sun, Z., Li, X.
2010; 12 (4): 535-547
- **A Novel Role for Protein Inhibitor of Activated STAT (PIAS) Proteins in Modulating the Activity of Zimp7, a Novel PIAS-like Protein, in Androgen Receptor-mediated Transcription** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Peng, Y., Lee, J., Zhu, C., Sun, Z.
2010; 285 (15): 11465-11475
- **The PIAS-like protein Zimp10 is essential for embryonic viability and proper vascular development** *MOLECULAR AND CELLULAR BIOLOGY*
Beliakoff, J., Lee, J., Ueno, H., Aiyer, A., Weissman, I. L., Barsh, G. S., Cardiff, R. D., Sun, Z.
2008; 28 (1): 282-292
- **A promoting role of androgen receptor in androgen-sensitive and -insensitive prostate cancer cells** *NUCLEIC ACIDS RESEARCH*
Li, T., Zhao, H., Peng, Y., Beliakoff, J., Brooks, J. D., Sun, Z.
2007; 35 (8): 2767-2776
- **The androgen receptor negatively regulates the expression of c-Met: Implications for a novel mechanism of prostate cancer progression** *CANCER RESEARCH*
Verras, M., Lee, J., Xue, H., Li, T., Wang, Y., Sun, Z.
2007; 67 (3): 967-975
- **The novel PIAS-like protein hZimp10 is a transcriptional co-activator of the p53 tumor suppressor** *NUCLEIC ACIDS RESEARCH*

- Lee, J., Beliakoff, J., Sun, Z.
2007; 35 (13): 4523-4534
- **LZTS2 is a novel beta-catenin-interacting protein and regulates the nuclear export of beta-catenin** *MOLECULAR AND CELLULAR BIOLOGY*
Thyssen, G., Li, T., Lehmann, L., Zhuo, M., Sharma, M., Sun, Z.
2006; 26 (23): 8857-8867
 - **The novel PIAS-like protein hZimp10 enhances Smad transcriptional activity** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Li, X., Thyssen, G., Beliakoff, J., Sun, Z.
2006; 281 (33): 23748-23756
 - **Roles and regulation of Wnt signaling and beta-catenin in prostate cancer** *CANCER LETTERS*
Verras, M., Sun, Z.
2006; 237 (1): 22-32
 - **Zimp7 and Zimp10, two novel PIAS-like proteins, function as androgen receptor coregulators.** *Nuclear receptor signaling*
Beliakoff, J., Sun, Z.
2006; 4
 - **Cyclin D1 and p16 expression in recurrent nasopharyngeal carcinoma.** *World journal of surgical oncology*
Lin, H., Berry, G. J., Sun, Z., Fee, W. E.
2006; 4: 62-?
 - **hZimp7, a novel PIAS-like protein, enhances androgen receptor-mediated transcription and interacts with SWI/SNF-like BAF complexes** *MOLECULAR ENDOCRINOLOGY*
Huang, C. Y., Beliakoff, J., Li, X. Y., Lee, J., Li, X. M., Sharma, M., Lim, B., Sun, Z. J.
2005; 19 (12): 2915-2929
 - **beta-catenin is involved in insulin-like growth factor 1-mediated transactivation of the androgen receptor** *MOLECULAR ENDOCRINOLOGY*
Verras, M., Sun, Z. J.
2005; 19 (2): 391-398
 - **Wnt3a growth factor induces androgen receptor-mediated transcription and enhances cell growth in human prostate cancer cells** *CANCER RESEARCH*
Verras, M., Brown, J., Li, X. M., Nusse, R., Sun, Z. J.
2004; 64 (24): 8860-8866
 - **An Hsp27-related, dominant-negative-acting intracellular estradiol-binding protein** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Chen, H., Hewison, M., Hu, B., Sharma, M., Sun, Z. J., Adams, J. S.
2004; 279 (29): 29944-29951
 - **Identification of tyrosine kinases overexpressed in head and neck cancer** *ARCHIVES OF OTOLARYNGOLOGY-HEAD & NECK SURGERY*
Lin, H. S., Berry, G. J., Fee, W. E., Terris, D. J., Sun, Z. J.
2004; 130 (3): 311-316
 - **hZimp10 is an androgen receptor co-activator and forms a complex with SUMO-1 at replication foci** *EMBO JOURNAL*
Sharma, M. J., Li, X. Y., Wang, Y. Z., Zarnegar, M., Huang, C. Y., PALVIMO, J. J., Lim, B., Sun, Z. J.
2003; 22 (22): 6101-6114
 - **Mechanism of p21-activated kinase 6 (PAK6) - mediated inhibition of androgen receptor signaling** *J. Biol. Chem*
Schantz N, Fowler B, Ge Q, Sun Z, Bokoch GM
2003; 279: 1922-31
 - **Linking beta-catenin to androgen-signaling pathway** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Yang, F. J., Li, X. Y., Sharma, M., Sasaki, C. Y., Longo, D. L., Lim, B., Sun, Z. J.
2002; 277 (13): 11336-11344
 - **A novel zinc finger transcription factor with two isoforms that are differentially repressed by estrogen receptor-alpha** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Conroy, A. T., Sharma, M., Holtz, A. E., Wu, C. B., Sun, Z. J., Weigel, R. J.
2002; 277 (11): 9326-9334

- **Human regulatory factor X 4 (RFX4) is a testis-specific dimeric DNA-binding protein that cooperates with other human RFX members** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Morotami-Yano, K., Yano, K., Saito, H., Sun, Z., Iwama, A., Miki, Y.
2002; 277 (1): 836-842
- **Regulation of androgen signaling by the phosphatidylinositol 3-kinase/Akt is mediated through GSK3beta/beta-catenin pathway** *J. Biol. Chem*
Sharma M, Chuang WW, Sun ZJ
2002; 277: 30935-30941
- **5' TG3' interacting factor interacts with Sin3A and represses AR-mediated transcription** *MOLECULAR ENDOCRINOLOGY*
Sharma, M., Sun, Z.
2001; 15 (11): 1918-1928
- **Ligand-dependent interaction of estrogen receptor-alpha with members of the forkhead transcription factor family** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Schuur, E. R., Loktev, A. V., Sharma, M., Sun, Z. J., Roth, R. A., Weigel, R. J.
2001; 276 (36): 33554-33560
- **Androgen receptor specifically interacts with a novel p21-activated kinase, PAK6** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Yang, F., Lio, X. Y., Sharma, M. J., Zarnegar, M., Lim, B., Sun, Z.
2001; 276 (18): 15345-15353
- **Cyclin D1 binds the androgen receptor and regulates hormone-dependent signaling in a p300/CBP-associated factor (P/CAF)-dependent manner** *MOLECULAR ENDOCRINOLOGY*
Reutens, A. T., Fu, M. F., Wang, C. G., Albanese, C., McPhaul, M. J., Sun, Z. J., Balk, S. P., JANNE, O. A., PALVIMO, J. J., Pestell, R. G.
2001; 15 (5): 797-811
- **SMAD3 represses androgen receptor-mediated transcription** *CANCER RESEARCH*
Hayes, S. A., Zarnegar, M., Sharma, M., Yang, F. J., Peehl, D. M., ten Dijke, P., Sun, Z. J.
2001; 61 (5): 2112-2118
- **Androgen receptor interacts with a novel MYST protein, HBO1** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Sharma, M., Zarnegar, M., Li, X. Y., Lim, B., Sun, Z. J.
2000; 275 (45): 35200-35208
- **PDEF, a novel prostate epithelium-specific Ets transcription factor, interacts with the androgen receptor and activates prostate-specific antigen gene expression** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Oettgen, P., Finger, E., Sun, Z. J., Akbarali, Y., Thamrongsak, U., Boltax, J., Grall, F., Dube, A., WEISS, A., Brown, L., Quinn, G., Kas, K., Endress, et al
2000; 275 (2): 1216-1225
- **Tyrosine kinases expressed in vivo by human prostate cancer bone marrow metastases and loss of the type 1 insulin-like growth factor receptor** *AMERICAN JOURNAL OF PATHOLOGY*
Chott, A., Sun, Z., Morganstern, D., Pan, J., Li, T., Susani, M., Mosberger, I., Upton, M. P., Bubley, G. J., Balk, S. P.
1999; 155 (4): 1271-1279
- **Tumor susceptibility gene 101 protein represses androgen receptor transactivation and interacts with p300** *CANCER*
Sun, Z. J., Pan, J., Hope, W. X., Cohen, S. N., Balk, S. P.
1999; 86 (4): 689-696
- **AP-1 mediates stretch-induced expression of HB-EGF in bladder smooth muscle cells** *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*
Park, J. M., Adam, R. M., Peters, C. A., Guthrie, P. D., Sun, Z. J., Klagsbrun, M., Freeman, M. R.
1999; 277 (2): C294-C301
- **Negative cross-talk between hematopoietic regulators: GATA proteins repress PU.1** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zhang, P., Behre, G., Pan, J., Iwama, A., Wara-Aswapati, N., Radomska, H. S., Auron, P. E., Tenen, D. G., Sun, Z. J.
1999; 96 (15): 8705-8710
- **Dimeric RFX proteins contribute to the activity and lineage specificity of the interleukin-5 receptor alpha promoter through activation and repression domains** *MOLECULAR AND CELLULAR BIOLOGY*
Iwama, A., Pan, J., Zhang, P., Reith, W., Mach, B., Tenen, D. G., Sun, Z. J.

1999; 19 (6): 3940-3950

- **Two promoters direct expression of the murine Spi-B gene, an Ets family transcription factor** *GENE*
Chen, H. M., Gonzalez, D. A., Radomska, H. S., Voso, M. T., Sun, Z., Zhang, P., Zhang, D. E., Tenen, D. G.
1998; 207 (2): 209-218
- **Frequent abnormalities of TSG101 transcripts in human prostate cancer** *ONCOGENE*
Sun, Z. J., Pan, J., Buble, G., Balk, S. P.
1997; 15 (25): 3121-3125
- **Androgen receptor-associated protein complex binds upstream of the androgen-responsive elements in the promoters of human prostate-specific antigen and kallikrein 2 genes** *NUCLEIC ACIDS RESEARCH*
Sun, Z. J., Pan, J., Balk, S. P.
1997; 25 (16): 3318-3325
- **Interleukin-5 receptor a subunit gene regulation in human eosinophil development: Identification of a unique cis-element that acts lie an enhancer in regulating activity of the IL-5R alpha promoter** *Workshop on Molecular Aspects of Myeloid Stem Cell Development*
Sun, Z., Yergeau, D. A., Wong, I. C., TUYSENS, T., Tavernier, J., Paul, C. C., Baumann, M. A., Auron, P. E., Tenen, D. G., Ackerman, S. J.
SPRINGER-VERLAG BERLIN.1996: 173-187
- **PU.1 (SPI-1) AND C/EBP-ALPHA REGULATE EXPRESSION OF THE GRANULOCYTE-MACROPHAGE COLONY-STIMULATING FACTOR-RECEPTOR ALPHA-GENE** *MOLECULAR AND CELLULAR BIOLOGY*
Hohaus, S., Petrovick, M. S., Voso, M. T., Sun, Z. J., Zhang, D. E., Tenen, D. G.
1995; 15 (10): 5830-5845
- **IDENTIFICATION AND CHARACTERIZATION OF A FUNCTIONAL PROMOTER REGION IN THE HUMAN EOSINOPHIL IL-5 RECEPTOR-ALPHA SUBUNIT GENE** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Sun, Z. J., Yergeau, D. A., TUYSENS, T., Tavernier, J., Paul, C. C., Baumann, M. A., Tenen, D. G., Ackerman, S. J.
1995; 270 (3): 1462-1471
- **FUNCTIONAL-CHARACTERIZATION OF THE PROMOTER FOR THE GENE ENCODING HUMAN EOSINOPHIL PEROXIDASE** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Yamaguchi, Y., Zhang, D. E., Sun, Z., ALBEE, E. A., Nagata, S., Tenen, D. G., Ackerman, S. J.
1994; 269 (30): 19410-19419
- **BIDIRECTIONAL TRANSCRIPTION FROM THE HUMAN-IMMUNOGLOBULIN V(H)6 GENE PROMOTER** *NUCLEIC ACIDS RESEARCH*
Sun, Z. J., Kitchingman, G. R.
1994; 22 (5): 861-868
- **ANALYSIS OF THE IMPERFECT OCTAMER-CONTAINING HUMAN-IMMUNOGLOBULIN V(H)6 GENE PROMOTER** *NUCLEIC ACIDS RESEARCH*
Sun, Z. J., Kitchingman, G. R.
1994; 22 (5): 850-860
- **Sequencing of selected regions of the human immunoglobulin heavy-chain gene locus that completes the sequence from JH through the delta constant region.** *DNA sequence*
Sun, Z. J., Kitchingman, G. R.
1991; 1 (5): 347-355