CURRICULUM VITAE

Name: Shibo Li

Place of Birth: Anshan, Liaoning, P.R. China

Citizenship: Naturalized American Citizen (May 1999)

Work Address: University of Oklahoma Health Sciences Center (OUHSC)
Department of Pediatrics, Genetics Laboratory
941 Stanton L. Young Blvd., BSEB 224
Oklahoma City, OK 73104

Email: shibo-li@ouhsc.edu

Education:

1978-1984	MD, Norman Bethune University of Medical Sciences, Changchun, Jilin, P.R. China
1987-1989	Postdoctoral fellow (Clinical Virology), Department of Laboratory Medicine, Yale University School of Medicine, New Haven, CT
1989-1993	Postdoctoral fellow (Cancer Genetics and Clinical Cytogenetics), Department of Genetics, Yale University School of Medicine, New Haven, CT
1995-1996	Postdoctoral fellow (Clinical Molecular Genetics), UCLA Intercampus Medical Genetics Training Program, Los Angeles, CA

Specialty Board Certification:

American Board of Medical Genetics (Clinical Cytogenetics)-1996, recertified in 2006 and 2009
American Board of Medical Genetics (Clinical Molecular Genetics)-1996, recertified in 2006 and 2009

Professional/Research Experiences:

2005-present	Professor of Pediatrics, Director, Genetics Laboratory, Department of Pediatrics, and adjunct professor of Pathology, University of Oklahoma Health Sciences Center, Oklahoma City, OK
2002-2005	Adjunct Associate Professor of Pathology University of Oklahoma Health Sciences Center, Oklahoma City, OK
1999-2005	Associate Professor of Pediatrics, Director, Genetics Laboratory, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK

1999-2000	Adjunct Clinical Associate Professor, Department of Medical Genetics, University of South Alabama, Mobile, AL
1998-1999	Adjunct Assistant Professor, Department of Pediatrics, Tulane University School of Medicine, New Orleans, LA
1996-1999	Assistant Professor of Medical Genetics, Director of DNA Diagnostic Laboratory, Assistant Director, Clinical Cytogenetics Laboratory, University of South Alabama, Mobile, AL
1995-1996	Adjunct Assistant Professor, Department of Medical Genetics, University of South Alabama, Mobile, AL
1993-1995	Adjunct Assistant Professor and Postdoctoral Fellow (Clinical Cytogenetics), Department of Medical Genetics, University of South Alabama, College of Medicine, Mobile, AL
1984-1987	Resident/Chief Resident, Department of Infectious Diseases, First Teaching Hospital of Norman Bethune University of Medical Sciences, Changchun, Jilin, P.R. China

Honors:

1987	Fellowship of Ministry of Public Health, P.R. China
1990	Postdoctoral Fellow Annual Award, Association of Chinese Geneticists in America

Professional Memberships:

International Cytogenetics and Genome Society
American College of Medical Genetics
American Society of Human Genetics
American Society of Hematology
American Association for the Advancement of Science
Association of Chinese Geneticists in America
American Association of Cancer Research

Committees:

University of Oklahoma Graduate College Graduate Student Committee

Tami Fry (2005) Genetic counseling student
Rebekah Alridch (2005) Genetic counseling student
Genevieve Ball (2006) Genetic counseling student
Christine Dale (2007) Genetic counseling student
Marc Wood (2007) Computer and Engineering at Norman campus (Dr. Liu)
Xingwei Wang (2008) Computer and Engineering at Norman campus (Dr. Liu)
Jae Lindsay M. Chaloner (2008) Genetic counseling student
Mallory Martin (2009) Genetic counseling student
Erin Valentine (2009) Genetic counseling student
Chunyan Wang (2012) Genetic counseling student

Susan Hassed (2012) Ph.D.
Qiu Yuchen (2013?) Ph.D. candidate, computer and Engineering at Normal campus (Dr. Liu)
Katherine A Kaercher (2013) Genetic counseling student

Heartland Genetics and Newborn Screening Collaborative Advisory Council Member (2005-2005)

Medical Advisory Board of Marinesco-Sjögren Syndrome Association 2000-present

Oklahoma Birth Defects Registry and Prenatal Screening and Diagnosis Committee 2000-2001

Graduate student research committee, University of South Alabama (1998-1999)

Research Grants Pending:

NIH-NCI July 1, 2012 – June 30, 2016 (P.I. Hong Liu, Co. P.I. Shibo Li) (20% effort) $2,396,931
A computer-aided chromosome imaging technique for leukemia diagnosis

Research Grants Received:

Active

NIH-NCI (1R01 CA115320-01A1) July 1, 2006 – Sept. 1, 2013 (P.I. Hong Liu, Co. P.I. Shibo Li) (18% effort) $1,496,931 (currently extended second year without additional cost).
A computer-aided chromosome imaging technique for cancer diagnosis

Goals: To develop a computer-aided imaging technique that includes an imaging scanner and a set of computer-aided detection and diagnosis (CAD) schemes and to evaluate whether an integrated CAD workstation can be a useful tool in the clinical environment.

NIH/NCI (1Ro1CA136700-01)(PI Liu and co-PI Shibo Li) 08/04/2009-7/31/2013 $1,300,000
Automated FISH Imaging and Analysis for Screening Cervical Cancer (currently extended second year without additional cost).

International Mechanical Diagnosis and Treatment Research Foundation (IMDRTF) (PI. Carol P. Dionne) 2011-2012.
Characteristics of LDD: Profile of patients who centralize symptoms: A pilot study. $10,000

Retired

W81XWH-06-1-0465 (Mulvihill) 01/01/06 – 12/31/10 As needed
Department of Defense CDMRP $232,669
Neurofibromatosis 1 in old Age: International Interdisciplinary Analysis of the Issues

To conduct an multifaceted analysis of geriatric aspects of neurofibromatosis 1 from existing databases, new clinical information, and focus groups in three countries (US, Canada, and Denmark) to suggest a research agenda and interim clinical guidelines.

NIH/NCI April 1, 2006 – March 31, 2011 (P.I. Hal Scofield) Klinefelter syndrome and lupus
Role: Collaborator (10% effort) $1,250,000

A large cohort of men with SLE will be collected. The rate of 45,XO and 47,XXX among women with SLE will be determined. The clinical manifestations of SLE will be compared between 47,XXY men and 46,XY men as well as 46,XX women. The statistically powerful and established genetic linkage on the X chromosome will be pursued.

The Oklahoma Children's Health Foundation, Inc. "Characterization of chromosome rearrangements using fluorescence in situ hybridization (FISH) in childhood acute lymphoblastic leukemia (ALL)." (P.I. Shibo Li) (2001) $5,000

University of Oklahoma Health Sciences Center, College of Medicine Alumni Association (2003) $25,000 (P.I Yu Lu)

Invited Lectures and Grand Rounds:

"Human Genome Project." Alabama State Society for Clinical Laboratory Sciences, Birmingham, AL. April, 1999.

Pediatrics Genetics: "Chromosome Testing" Genetics Update-2000, Children's Hospital, OUHSC. September 16, 2000.

Genetics Section for OB/GYN residents; "Prenatal diagnosis of chromosomal anomalies." Department of OB/GYN, OUHSC, May 3, 2002.

"Cytogenetic and molecular cytogenetic characterization of leukemia." Graduate school, China Medical University, Shenyang, Liaoning Province, P.R. China. June 3, 2002.

"Homozygosity mapping of Marinesco-Sjogren syndrome." Neuroscience Center, Jilin University, Changchun, Jilin Province, P.R. China. June 12, 2002.

"Homozygosity mapping of Marinesco-Sjögren syndrome." Department of Pathology, OUHSC. April 12, 2003.

"What is new in cytogenetics that you need to know." Department of Pediatrics, OUHSC. January 27, 2005.

"Routine cytogenetics, FISH and array CGH: the advantages and limitations in cancer diagnosis." Department of Medicine, Hematology Section, OUHSC. June 19, 2006.

"Three amazing cases." Department of Pediatrics, OUHSC. December 14, 2006.

"Molecular cytogenetic characterization of microcapillary carcinoma of the breast." The First Teaching Hospital, Jilin University, China. August 10, 2007.

"Genetic aspects of viral hepatitis, liver cirrhosis and hepatocellular carcinoma." International symposium of hepatology. Changchun, China, August 11, 2007.

"Cystic fibrosis mutations in American Indian Populations." Heartland Genetics and Newborn Screening Collaborative, Fourth Annual Meeting. Hilton Skirvin Hotel, Oklahoma City, OK. September 5-7, 2007.

"Mapping the Marinesco-Sjögren syndrome: the lesson to be learned." Oklahoma Christian University, Graduate Student Seminar, Edmond, OK. September 21, 2007.
"Genetic aspects of viral hepatitis, liver cirrhosis and hepatocellular carcinoma." Seminar. Changchun, China, May 27, 2008.

"Genetic aspects of congenital heart diseases" Seminar. Lanzhou, Gansu, China Oct. 2008

"Genetic aspects of hepatocellular carcinoma" Seminar, Changchun, Jilin, China Oct. 2008.

ArrayCGH, the promises and challenges. Changchun, Jilin, China, May 29, 2010

ArrayCGH, the promises and challenges. Lanzhou, Gansu, China, June 5, 2010

Array CGH, the promises and challenges. Pediatrics Grand Round, OUHSC, Oklahoma City, OK 73104, Oct. 14, 2010.

Brain and toxins/toxicants presented at NeuroNight, OKC June 21, 2011

Genetic testing presented at Endocrinology of Pediatrics, OUHSC, April 24, 2012

Clinical cytogenetics and molecular cytogenetics: presented at OB/GYN fellow conference, OUHSC, July 24, 2012

Update genetic testing: insights in your laboratories. Pediatrics Grand Round, OUHSC, Oklahoma City, OK 73104, July 25, 2012.

Clinical Cytogenetics: Internal Medicine-Pediatrics resident conference, OUHSC, Oklahoma City, OK 73104 Oct. 11, 2012

Editorial Board Member:

World Journal of Medical Genetics (WJMG) 2011-2015

The Open Bone Journal, Regional Editor (2012-)

Grant Review

Scientist Reviewer for the FY2011 Neurofibromatosis Research Program (NFRP) for the Department of Defense Congressionally Directed Medical Research Program (CDMRP) basic research peer review panel (Oct. 2011).

Manuscript Reviewer for:

Southern Medical Journal
Genetics in Medicine
Chinese Medical Journal

FEBS
Molecular Diagnosis and Therapy
Acta Haematologica
American Journal of Medical Genetics
Human Genetics

Post-Doctoral Fellows/Trainees:

1996 – 1998	Weigong He (fellow, Department of Pathology, M.D. Anderson Medical Center)
2000 – 2002	Lijun Zhang (Professor, Department of Hematology, the First Affiliated Hospital of China Medical University, Liaoning Province, P.R. China)
2002 – 2005	Ji Yun Lee (Associate Professor, Department of Pathology, Korea University, South Korea)
2005 - 2007	Hong Tian (Tong Ji Medical College, P.R. China)
2006 - 2007	Eun Sim Shin (Genetics Laboratory, NEODIN Medical Science Institute #2-3, Yongdap-dong, Sungdong-gu, Seoul, 133-847, South Korea)
2006- present	Youngmi Kim (Research Associate, Genetics Laboratory, OUHSC), Xianglan Lu (Research Associate, Genetics Laboratory, OUHSC).
2006-present	Hui Pang (Research Associate, OUHSC)
2007- 2008	Ying Luo (Associate Professor of Oncology, the First Affiliated Hospital of China Medical University, Shenyang, Liaoning, P.R. China)
2008- present	Xianfu Wang (Research Associate, OUHSC)
2008-2009	Mingran Sun (Attending, the first hospital of Jilin University), Han Zhang (Ph.D. candidate of British Columbia University, Canada), Xingwei Wang (Imaging Scientist at Stanford University)
2009-2010	Lei Zheng (senior laboratory specialist, Lanzhou Women and Children's Hospital), Haiying Chen (Attending, the Department of the First Hospital of Jilin University, Jilin, P.R. China)
2009- 2011	Rui Zhang (Attending physician, the First Hospital of China Medical University)
2009-2014	Hu Xiaoxia (Visiting fellow, the Department of Pediatrics, OUHSC)
2010- 2011	Guannan Niu (resident of Beijing Fuwai Heart Hospital)
2010-2012	Jinglan Jin (Attending, the Department of Hepatology, the First Hospital of Jilin University), Fangchao Gong, Shen Botao (Attending, ICU, the Department of Internal Medicine, the First Hospital of Jilin University).
2011-2012	Wei Zhao (Attending, Cardiovascular Section, the Department of Internal Medicine of the First Hospital), Tian Huimin (Resident, the Department of Hematology of the First Hospital, Jilin University).
2011-2013	Gao Man, Dai Yuting
2012-2012	Lu Lu, Resident, the Surgery Department of the First Hospital, Jilin University)
2012-2013	Qiao Hongmei, Sophia H. Wang, Wang Yang (Attending physician in the Department of Infectious Diseases, the First Hospital of Jilin University, Changchun).
2012-2014	Mingran Sun (Visiting fellow, the Department of Pediatrics, OUHSC), Yang Xiao
2013-2014	Lin Lina, Sun Haibo
2013-2015	Ning Jing, Ren Yuan, Lu Jin

Teaching:

Clinical Molecular Genetics and Clinical Cytogenetics of observership or laboratory rotations for second-year medical school students, genetic counseling students, pediatric, residents and fellows from pathology and hematology department. Molecular Cytogenetic lecture of a total of 18 hours is given each year.

Publications:

1. ZL Hu, QQ Zhang, SB Li. Neurological complications in patients with mumps: review of 180 clinical cases. Journal of Jilin University-Medical edition. 1988: (05) 84-85.

2. **Li S**, Yang ZH, Feng JS, Fong CKY, Lucia HL, Hsiung GD (1990): Activity of (S)-1(3-hydroxy-2-phosphonylmethoxypropyl) cytosine (HPMPC) against guinea pig cytomegalovirus infection in cultured cells and in guinea pigs. *Anti Res* 13:237-252.

3. **Li S**, Fong CKY (1990): Detection of human cytomegalovirus (CMV) early and late antigen and DNA production in cell culture and effect of dimethyl sulfoxide, dexamethasone, and DNA inhibitors on HCMV early antigen induction. *J Med Viro* 30:97-102.

4. **Li S**, Schwartz PE, Lee W-H, Yang-Feng TL (1991): High frequency of allelic loss at retinoblastoma locus in human ovarian cancer. *J Natl Can Inst* 83:637-640.

5. Yang-Feng TL, **Li S,** Leung W-Y, Carcangiu ML, Schwartz PE (1991): Trisomy 12 and Kras2 amplification in human ovarian cancer. *Intl J Cancer* 48: 678-681.

6. Yang-Feng TL, **Li S,** Han H, Schwartz PE (1992): Frequent loss of heterozygosity on chromosome Xp and 13q in human ovarian cancer. *Intl J Cancer* 52:575-580.

7. **Li S,** Han H, Resnik E, Carcangiu ML, Schwartz PE, Yang-Feng TL (1993): Advanced ovarian carcinoma: Molecular evidence of unifocal origin. *Gynecol Oncol* 51:21-25.

8. Yang-Feng TL, Han H, Chen K-C, **Li S**, Claus EB, Carcangiu ML, Chambers SK, Chambers JT, Schwartz PE (1993): Allelic loss in ovarian cancer. *Intl J Can* 54:546-551.

9. Arn P, Chen H, Tuck-Muller CM, Mankinen C, Wachtel G, **Li S**, Shen CC, Wachtel SS (1994): SRVX, a sex reversing locus in Xp21.2→p22.11. *Hum Genet* 93:389-393.

10. **Li S**, Tuck-Muller CM, Yan Q, Wertelecki W, Chen H (1995): A rapid method to amplify DNA fragments for DNA analysis from cells fixed in Carnoy's fixative. *Am J Med. Genet* 55:116-119.

11. Tuck-Muller CM, Dyken PR, **Li S**, Chen H, Wertelecki W (1995): Translocation 10;18 in a patient with juvenile neuronal ceroid lipofuscinosis (Batten disease). *Am J Med Genet* 57:168-171.

12. Tuck-Muller CM, Chen H, Martinez JE, Shen CC, **Li S**, Kusyk C, Batista DAS, Bhatnagar M, Dowling E, Wertelecki W (1995): Isodicentric Y chromosome: Cytogenetic, molecular, and clinical studies and review of the literature. *Hum Genet* 86:119-129.

13. Ahmad W, **Li S**, Chen H, Tuck-Muller CM, Pittler SJ, Aronson NN Jr (1995): Lysosomal chitobiase (CTB) and the G-protein γ_5 subunit (GNG5) genes co-localize to human chromosome 1p22. *Cytogenet Cell Genet* 71:44-46.

14. Tuck-Muller CM, Varela M, **Li S**, Pridjian G, Chen H, Wertelecki W (1996): A complex, five breakpoint intrachromosomal rearrangement ascertained through two recombinant offspring. *Am J Med Genet* 63:392-395.

15. **Li S**, Tuck-Muller CM, Martinez JE, Rowley ER, Chen H, Wertelecki, W (1998): Prenatal detection of de novo duplication of the short arm of chromosome 18 confirmed by fluorescence in situ hybridization (FISH). *Am J Med Genet* 80:478-490.

16. Hoffman WH, Kovacs K, **Li S**, Kullharya AS, Johnson BL, Eidson MS, Cleveland WW (1998): Kenny-Caffey syndrome and microorchidism. *Am J Med Genet* 80:107-111.

17. Martinez JE, Tuck-Muller CM, Gasparrini W, **Li S**, Wertelecki W (1999): 1p microdeletion in sibs with minimal phenotypic manifestations. *Am J Med Genet* 82(2):107-109.

18. He W, **Li S** (2000): Congenital cataracts: gene mapping. *Hum Genet* 106:1-13.

19. Tuck-Muller CM, Goodman BK, **Li S**, Martinez JE, Chen XN, Wertelecki W, Korenberg JR, Stetten G (2001): Partial trisomy 7p defined by analysis of a complex chromosome rearrangement using a BAC clone panel. *Genet in Med* 3:126-131.

20. He W, Tuck-Muller CM, Martinez JE, **Li S**, Rowley ER, Wertelecki W (2002): Molecular characterization of a ring chromosome 16 from a patient with bilateral cataracts,16q terminal deletion and congenital cataracts. *Am J Med Genet* 107:12-17.

21. Zhang LJ, Mulvihill JJ, Kinasewitz GT, Scott KV, Bates F, **Li S** (2002): An additional duplication of chromosome 15q15 in a patient with acute myeloblastic leukemia (M2). *Can Genet Cytogenet* 133:148-151.

22. Zhang LJ, Mulvihill JJ, Kern WF, McMinn J, **Li S** (2002): Duplication 15q as a sole anomaly in an APL patient without t(15;17). *Can Genet Cytogenet*, 138:17-21.

23. **Li S**, Stanley JR, Draper ML, Mirabile CP, Coleman FH, Mulvihill JJ (2002): Rapid prenatal diagnosis of trisomies 13, 18, 21 and sex chromosome anomalies by fluorescence in situ hybridization: A year's experience. *J Okla St Med Assoc*, 95:244-6.

24. **Li S**, Zhang LJ, Kern WF, Andrade A, Forsberg JE, Bates FR, Mulvihill JJ (2002): Identification of t(15;17) and a segmental duplication of chromosome 11q23 in a patient with acute myeloid leukemia (AML) M2. *Can Genet Cytogenet*, 138:149-152.

25. Wang J, Blakey GL, Zhang LJ, Bane B, Torbenson M, **Li S** (2003): Uterine tumor resembling ovarian sex-cord tumor: report a case with t(X;6)(p22.3;q23.1) and t(4;18)(q21.1;q21.3). *Diag Mol Pathol* 12:174-180.

26. Zhang LJ, Parkhurst J, Kern WF, Scott KV, Niccum D, Mulvihill JJ, **Li S** (2003): Chromosomal changes detected by fluorescence in situ hybridization in patients with acute lymphoblastic leukemia. *Chin Med J* 116: 1298-1303.

27. **Li S**, Hassed S, Mulvihill JJ, Nair AK, Hopcus DJ (2004): Double trisomy. *Am J Med Genet* 124(A): 96-98.

28. Hassed SJ, Hopcus-Niccum D, Zhang L, **Li S**, Mulvihill JJ (2004): A new genomic duplication syndrome complementary to the velocardiofacial (22q11 deletion) syndrome: Clinical report. *Clin Genet* 65(5):400-404.

29. Lee J, **Li S**, Torbenson M, Liu QZ, Lind S, Bane B, Mulvihill JJ, Wang J (2004): Leiomyosarcoma of the breast: A pathological and cytogenetic report of two cases. *Can Genet Cytogenet* 149: 53-57.

30. Casas KA, Mononen TK, Mikail CN, Hassed SJ, **Li S**, Mulvihill JJ, Lin HJ, Falk RE (2004): Chromosome 2q terminal deletion: Report of 6 new cases and review of phenotype-breakpoint correlations in 61 individuals. *Am J Med Genet* 130A(4):331-9.

31. Blackett PR, **Li S,** Mulvihill JJ (2005): Ring chromosome 4 with deafness, developmental delay, and type 2 diabetes mellitus. *Am J Med Genet* 137:213-216.

32. Lee J, Stanley JR, Vaz SA, Mulvihill JJ, Wilson P, Hopcus-Niccum D, **Li S** (2005): Down syndrome with pure partial trisomy 21q22 due to a paternal insertion (4;21) uncovered by uncultured amniotic fluid interphase FISH. *Am J Med Genet* 132(A):206-208.

33. Purandare SM, Lee J, Hassed S, **Li S,** Steele MI, Blackett PR, Mulvihill JJ (2005): Ring chromosome 9 [r(9)(p24q34)]: a report of two cases : *Am J Med Genet* 138:229-235.

34. Lee J, Kern WF, Cain JB, Mulvihill JJ, **Li S** (2005): Atypical morphologies of bone marrow due to a variant translocation (8;10;21) in a patient with acute myeloid leukemia. *Can Genet Cytogenet.* 159:79-83.

35. Lee J, Hopcus-Niccum DJ, Mulvihill JJ, **Li S** (2005): Cytogenetic and molecular cytogenetic studies on a variant of t(21;22),ins(22;21)(q12;q21q22), a deletion of 3' *EWSR1* gene in a patient with Ewing sarcoma. *Can Genet Cytogenet* 159:177-180.

36. Wang X, Zheng B, Wood M, **Li S**, Chen W, Liu H (2005): Development and evaluation of automated chromosome detection and classification of banded chromosomes: current status and future perspectives, *J Physics D*: *Applied Physics* 38:2536-2542.

37. Angelidis P, Kojouri K, Lee J, Kern W, Mulvihill JJ, **Li S** (2006): Partial trisomy 1 in a patient with severe aplastic anemia. *Can Genet Cytogenet*. Aug. 169(1):73-5.

38. Zhang L, Kern WF, Yu Z, Mulvihill JJ, **Li S** (2006): Cryptic and complex chromosomal rearrangements and deletion of p53 in a patient with leukemia mantle cell lymphoma. *Can Genet Cytogenet* Sept. 169(2):169-173.

39. Wang X, **Li S**, Liu H, Mulvihill JJ, Chen W, Zheng B (2006): A computer-aided method to expedite the evaluation of prognosis for childhood acute lymphoblastic leukemia. *Technol Cancer Res. Treat* Aug.5(4):429-36.

40. Zhang LJ, Shin ES, Yu ZX, **Li SB** (2007): Molecular genetic evidence of Y chromosome loss in male patients with hematological disorders. Chin Med J (Eng.) Nov. 20;120(22):2002-5.

41. Wang X, **Li S**, Liu H, Wood M, Chen W, Zheng B (2008): Automated Identification of Analyzable Metaphase Chromosomes Depicted on Microscopic Digital Images. *J Biomed Inform* 41: 264-271.

42. Purandare SM, Mendoza-Londono R, Yatsenko SA, Casas K, Wilson P, Lee J, Muneer R, Leonard JC, Ramji FG, Lachman R, **Li S**, Stankiewicz P, Lee B, Mulvihill JJ (2008): De novo three-way chromosome translocation 46,XY,t(4;6;21)(p16;p21.1;q21) in a male with cleidocranial dysplasia. *Am J Med Genet A* Feb. 146(4): 453-458.

43. Lee J, Lu X, Shin ES, Kern WF, Mulvihill JJ, **Li S** (2008): A novel subtelomeric translocation t(5;9) and a deletion of the *RB1* gene in a patient with acute myeloid leukemia (AML-M0). Cancer Genet Cytogenet 181(1):36-39.

44. Wang X, Zheng B, **Li S**, Mulvihill JJ, Liu H (2008): A rule-based computer scheme for centromere identification and polarity assignment of metaphase chromosomes. *Comput Methods Programs Biomed* Jan.89(1):33-42.

45. Wang X, Zheng B, **Li S**, Mulvihill JJ, Chen W, Liu H (2008): Development of an integrated computerized scheme for metaphase chromosome image analysis: a robustness experiment. (accepted for publication in the SPIE proceedings).

46. Wood MC, Wang X, Zheng B, **Li S**, Chen W, Liu H (2008): Using the modulation transfer function to evaluate the effect of motion blur on microscope image quality (accepted for publication in the SPIE proceedings).

47. Scofield RH, Bruner GR, Namjou B, Kimberly RP, Ramsey-Goldman R, Petri M, Reveile JD, Alarcon GS, Vila LM, Reid, J, Harris B, **Li S**, Kelly J, Harley JB (2008): Klinefelter's syndrome (47,XXY) in male systemic lupus erythematosus patients: support for the notion of a gene-dose effect from the X chromosome. Arthritis & Rheumatism 58(8): 2511-2517.

48. Xu WH, Lu XL, Kim YM, Luo Y, Martin M, Mulvihill JJ, **Li, S**. (2008) Deletion of 14q24.1-q24.3 in a patient with acute lymphoblastic leukemia: a hidden chromosomal anomaly detected by array-based comparative genomic hybridization Cancer Genet. Cytogenet. 185: 43-46.

49. Kim YM, Yang SH, Xu WH, **Li, S**, Yang XH (2008) Continuous in vitro exposure to low dose genistein induces genomic instability in breast epithelial cells. Cancer Genet Cytogenet. 186 (2): 78-84.

50. Cooney CM, Bruner GR, Aberle T, Namjou-Khales B, Myers LK, Feo L, **Li S**, Harley JB, Scofield, RH (2009) Case report: 46,Xdel(X)(q13) Turner's syndrome female with systemic lups erythematosus in a pedigree multiplex for SLE. Genes Immun. 10(5):478-481.

51. Linder CE, Lu, XL, Kim YM, **Li, S**, Pineda J (2009). "Understanding Adam" Multiple Reciprocal Translocations: complex case presentation. J Perinat Neonat Nurs Apr-Jun;23(2): 150-156;quiz 157-8.

52. Wang X, Zheng B, **Li S**, Mulvihill JJ, Marc C. Wood, Liu H (2009): Automated classification of metaphase chromosomes: Optimization of an adaptive computerized scheme. *J Biomed Inform.* 42: 22-31.

53. Wang X, Zheng B, **Li S**, Zhang R, Mulvihill, JJ, Chen WR, Liu H (2009) Automated detection and analysis of fluorescence in situ hybridization (FISH) spots depicted in digital microscopic images of Pap-smear specimens *J Biomedical Optics*. March/April: 14(2):021002.

54. Patrick L Wilson, Brandi Balinsdell Kattman, John J Mulvihill, **Shibo Li**, Jesse Wilkins, Andrew F Wagner, Jean R Goodman(2009). Prenatal identification of a novel R937P L1CAM missense mutation. Genet Test Mol Biomarkers 13(4):515-519.

55. Jiyun Lee, Jianzhou Wang, Michael Torbenson, You Lu, Qiong Z Liu, **Shibo Li**. Loss of SDHB and NF1 genes detected by oligo-microarray CGH in a malignant phyllodes tumor of breast. Cancer Genet and Cytogenet. 2010:196(2):179-83.

56. Yi Zhu, Young Mi Kim, **Shibo Li**, Yuan Zhuang (2010) A loss of heterozygosity assay for gene functions based on inverse sister chromatid recombination in the lymphoid system. JBC Aug.20; 285(34) 26005-12.

57. Xingwei Wang, Bin Zheng, Roy R. Zhang, **Shibo Li**, John J. Mulvihill, Xianglan Lu, Hui Pang, Hong Liu (2010) Automated Analysis of Fluorescent in situ Hybridization (FISH) Labeled Genetic Biomarkers in Assisting Cervical Cancer Diagnosis. TCRT. Jun;9(3):231-42.

58. Xingwei Wang, Bin Zheng, **Shibo Li**, John J. Mulvihill, Chen X, Hong Liu (2010). Automated identification of abnormal metaphase chromosome cells for the detection of chronic myeloid leukemia using microscope images. JBO Jul. – Aug. 15(4) 046026.

59. Hu L, Potapova TA, **Li S**, Rankin S, Gorbsky GJ, Angeletti PC, Ceresa BP. Expression of HPV16 E5 produces enlarged nuclei and polyploidy through endoreplication. Virology. 2010 Sep 30;405(2):342-51.

60. Male-only systemic lupus. Aggarwal R, Namjou B, **Li S**, D'Souza A, Tsao BP, Bruner BF, James JA, Scofield RH. J Rheumatol. 2010 Jul;37(7):1480-7.

61. Han Zhang , Xianglan Lu, Julie Beasley, John J. Mulvihill, Ruizhi Liu, **Shibo Li**, Ji-Yun Lee (2011). Reversed Clinical Phenotype due to a Microduplication of Sotos Syndrome Region Detected by Array CGH: Microcephaly, Developmental Delay and Delayed Bone Age Am J Med Genet A. June;155A(6):1374-8.

62. Yuchen Qiu, Xingwei Wang, Xiaodong Chen, Yuhua Li, Hong Liu, **Shibo Li,** Bin Zheng(2010) . Automated Detection of Analyzable Metaphase Chromosome Cells Depicted on Scanned Digital Microscopic Images. Proc. of SPIE Vol. 7627 762718-1

63. Clinical and laboratory diagnosis of spinocerebellar ataxia type 3 in a large Chinese family. Yang Sirui, Xu Weihong, **Shibo Li,** Shicheng Liu, Honghua Lu, Xiaosheng Hao, Feiyong Jia, Guiling Xue. Asian Biomedicine Vol. 5, No. 1, February, 2011.

64. Assessment of a CAD scheme in selecting the optimal focused microscopic scanning images of the metaphase chromosomes (2010) Xingwei Wang, Jun Tan, Yuchen, Qiu, Yuhua Li, Hong Liu, **Shibo Li**, Bin Zheng. Proc. of SPIE 7966-43 V. 2.

65. Wanming Zhao, Rufei Gao, Jiyun Lee, Shu Xing, Wanting Tina Ho, Xueqi Fu, **Shibo Li**, Zhizhuang Joe Zhao. Relevance of JAK2V617F positivity to hematological disease-survey of samples from a clinical genetics laboratory accepted by BMC Journal of Hematology and Oncology 2011, 4.4.

66. Zhihong Zhang, Min Hong, Xianglan Lu, **Shibo Li**, Heli Gao, Ruizhi Liu (2011). Chromosomal abnormalities in patients with recurrent spontaneous abortions in northeast of China. J Reprod Med Jul-Aug; 56(7-8):321-4.

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