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ACADEMIC POSITION

2015 – PRESENT
PROFESSOR (WITH TENURE)
DIRECTOR, INBORN ERRORS OF METABOLISM SERVICE, TEXAS CHILDREN'S HOSPITAL
MEDICAL DIRECTOR, BAYLOR BIOCHEMICAL GENETICS LABORATORY
Department of Molecular and Human Genetics
Baylor College of Medicine
Houston, Texas

2009 – 2014
ASSOCIATE PROFESSOR
Department of Molecular and Human Genetics
Baylor College of Medicine
Houston, Texas

1999 - 2009
ASSISTANT PROFESSOR
Department of Molecular and Human Genetics
Baylor College of Medicine
Houston, Texas

EDUCATION AND TRAINING

COLLEGE
1984-1988
TRANSYLVANIA UNIVERSITY
300 North Broadway
Lexington, KY 40508
Degree earned: BA *cum laude*

MEDICAL SCHOOL
1988-1992
UNIVERSITY OF KENTUCKY COLLEGE OF MEDICINE
800 Rose Street
Lexington, KY 40536
Degree earned: MD with Distinction

RESIDENCY
1992-1995
WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
ST. LOUIS CHILDREN'S HOSPITAL
One Children's Place
St. Louis, MO 63110
Resident (PL-1, PL-2, PL-3) in Pediatrics

CHIEF RESIDENT
1995-1996
WASHINGTON UNIVERSITY SCHOOL OF MEDICINE
ST. LOUIS CHILDREN'S HOSPITAL

FELLOWSHIP
1996-1999
BAYLOR COLLEGE OF MEDICINE
Department of Molecular and Human Genetics
One Baylor Plaza
Houston, TX 77030
MEDICAL GENETICS

LICENSE AND CERTIFICATION

July 1, 1993	Diplomate, National Board of Medical Examiners Certification # 411823
1999-present	Texas State Board of Medical Examiners - License # K8506
1999-present	Diplomate of the American Board of Medical Genetics in Clinical Genetics. Certificate #99150; active in Maintenance of Certification
2002-present	Diplomate of the American Board of Medical Genetics in Clinical Biochemical Genetics. Certificate #2002109; active in Maintenance of Certification

CURRENT SUPPORT

12/01/2011-11/30/2019	Baylor-Johns Hopkins Center for Mendelian Genetics 2UM1HG006542-05 NHGRI & NHBLI, Valle, (PI) Role: Co-PI (15%)
08/06/2014-07/31/2019	Brittle Bone Disorders Consortium of the Rare Disease Clinical Research Network 1U54AR068069-01, NIAMS, NIDCR, NCATS, NICHD. Lee (PI); Role: Administrative & Longitudinal Study PI (15%)

AWARDS

2008	Fulbright & Jaworski, LLP Faculty Excellence Award – Educational Leadership
2008 – 2013	Baylor College of Medicine Academy of Distinguished Educators
2011	Clinical Faculty Teaching Award, Department of Molecular & Human Genetics

PROFESSIONAL SOCIETIES

Fellow, American College of Medical Genetics
American Society of Human Genetics
International Skeletal Dysplasia Society
Society of Inherited Metabolic Diseases

PROFESSIONAL SERVICE

2016-2017	Chair, American Board of Medical Genetics & Genomics
2015-2016	ACGME Milestones Revision Working Group
2015	Chair-elect, American Board of Medical Genetics & Genomics
2015	Book Chief, Biochemical Genetics Certification Examination
2014-2016	Book Chief, Medical Genetics Residency Program In-Training Examination
2013-2014	Chair, Medical Biochemical Genetics Milestones Committee, ACGME
2013	Assistant Book Chief, Biochemical Genetics Certification Examination, American Board of Medical Genetics
2013 – present	Osteogenesis Imperfecta Foundation Medical Advisory Council
2013 – 2016	Chair, Residency Review Committee, Medical Genetics & Vice-Chair, Residency Review Committee, Molecular Genetic Pathology, ACGME
2013 – 2015	President, Medical Genetics Residency Program Directors Association
2013 - 2017	Faculty, Society of Inherited Metabolic Diseases, North American Metabolic Academy
2012 - 2013	ACGME Clinical Informatics Fellowship Program Requirements Working Group
2012	Program Committee, Society of Inherited Metabolic Disorders Meeting
2011 – 2013	Vice-chair, Residency Review Committee, Medical Genetics, ACGME
2011 – 2013	ACGME Milestones Project Committee Member, Medical Genetics
2011 – 2014	Council Member, Association of Professors of Human & Medical Genetics
2011 – 2016	Director, American Board of Medical Genetics
2010 – 2012	Vice President, Medical Genetics Residency Program Directors Association
2010 – 2016	ACGME Residency Review Committee Member, Medical Genetics
2010	Abstract Reviewer, Metabolic Disorders, American Society of Human Genetics Annual Meeting, Washington, DC
2009 – 2010	Secretary/Treasurer, Medical Genetics Residency Program Directors Association
2009 – 2010	Clinical Laboratory Improvement Advisory Committee (CLIAC) for Biochemical Genetics (Centers for Disease Control)
2009	Co-Chair, Osteogenesis Imperfecta Foundation Scientific Meeting “Signaling in Bone

2008-2009	American Board of Medical Genetics, Clinical Genetics Examination Book Item Writer – 2011 Examination
2007-2015	Co-Director, Osteogenesis Imperfecta Foundation Linked Clinical Research Centers
2007-Present	Director, American Board of Medical Genetics Diagnostic Laboratory Fellowships, Baylor College of Medicine
2006-2010	Member, Review Board CETT (Collaboration, Education and Test Translation for Rare Diseases) Program of the Office of Rare Diseases (NIH): Review applications for funds to facilitate genetic test translation for rare diseases from research laboratories to clinical laboratories.
2005-2015	Chair, Human Subjects Institutional Review Boards 3 & 6, Baylor College of Medicine
2005-Present	Director, Medical Genetics Residency Program, Baylor College of Medicine
2004-Present	Member, Professional Practice and Guidelines Committee, American College of Medical Genetics
2003-2008	Chair, Human Subjects Committee, Rare Diseases Clinical Research Network (RDCRN), Program of the Office of Rare Diseases (NIH)
2005-2006	American Board of Medical Genetics, Clinical Biochemical Genetics Examination Book Item Writer – 2009 Exam
2003-2005	Vice-Chair, Human Subjects Institutional Review Board 5, Baylor College of Medicine
2002-2005	Associate Director, Medical Genetics Residency Program, Baylor College of Medicine

PUBLICATIONS

PEER-REVIEWED ARTICLES

1. **Sutton VR**, Pan Y, Craigen WJ. Regional localization of the mouse argininosuccinate lyase gene to chromosome 5. *Mammalian Genome* 8:871, 1997

2. Shapira SK, McCaskill C, Northrup H, Spikes AS, Elder FFB, **Sutton VR**, Korenberg JR, Greenberg F, Shaffer LG: Chromosome 1p36 deletions: the clinical phenotype and molecular characterization of a common, newly-delineated syndrome. *American Journal of Human Genetics* 61(3):642-650, 1997

3. Wu Y, **Sutton VR**, Nickerson E, Lupski JR, Potocki L, Korenberg JR, Greenberg F, Tassabehji M, Shaffer LG: Delineation of the common critical region in Williams syndrome and clinical correlation of growth, heart defects, with ethnicity and parental origin. *American Journal of Medical Genetics* 78(1):82-89, 1998

4. **Sutton VR**, Shaffer LG. A search for imprinted regions on chromosome 14: comparison of maternal and paternal UPD cases with cases of chromosome 14 deletion. *American Journal of Medical Genetics* 93(5):381-387, 2000

5. Scaglia F, **Sutton VR**, Bodamer OA, Vogel H, Shapira SK, Naviaux RK, Vladutiu GD. Mitochondrial DNA depletion associated with partial complex II and IV deficiencies and 3-methylglutaconic aciduria. *Journal of Child Neurology* 16(2):136-138, 2001

6. **Sutton VR**, Coveler KJ, Lalani SR, Kashork CD, Shaffer LG. Telomere FISH uncovers Trisomy 14q: Lessons for imprinted regions, cryptic rearrangements and variant acrocentric short arms. *American Journal of Medical Genetics* 112(1):23-27, 2002

7. Coveler KJ, Yang SP, **Sutton VR**, Milstein JM, Wu YQ, Knox-DuBois C, Beischel LS, Johnson JP, Shaffer LG. A Case of Segmental Paternal Isodisomy of Chromosome 14. *Human Genetics* 110:251-256, 2002

8. McGowan KD, Weiser JJ, Horwitz J, Berend SA, McCaskill C, **Sutton VR**, Shaffer LG. The importance of investigating for uniparental disomy in prenatally identified balanced acrocentric rearrangements. *Prenatal Diagnosis* 22(2):141-143, 2002

9. Kashork CD, **Sutton VR**, Fonda Allen JS, Schmidt DE, Likhite ML, Potocki L, O'Brien WE, Shaffer LG. Low or absent unconjugated estriol in pregnancy: an indicator for steroid sulfatase deficiency detectable by fluorescence in situ hybridization and biochemical analysis. *Prenatal Diagnosis* 22(11):1028-1032, 2002

10. **Sutton VR**, McAlister WH, Bertin TK, Kaffe S, Wang JC, Yano S, Shaffer LG, Lee B, Epstein CJ, Villar AJ. Skeletal Defects in Paternal Uniparental Disomy for Chromosome 14 are Recapitulated in the

Mouse Model (Paternal Uniparental Disomy 12) *Human Genetics* 113:447-451, 2003

11. Murphy SK, Wylie AA, Coveler KJ, Cotter PD, Papenhausen PR, **Sutton VR**, Shaffer LG, Jirtle RL. Epigenetic detection of human chromosome 14 uniparental disomy. Human Mutation 22(1):92-97, 2003

12. Coveler KJ, **Sutton VR**, Knox-DuBois C, Shaffer LG. Comprehensive Microsatellite Marker Analysis Contradicts Previous Report of Segmental Maternal Heterodisomy of Chromosome 14. *Journal of Medical Genetics* 40(3):e26, 2003

13. **Sutton VR**, Pan Y, Davis EC, Beaudet AL, Craigen WJ. A Mouse Model of Argininosuccinic Aciduria: Biochemical characterization. *Molecular Genetics and Metabolism* 78(1):11-16, 2003

14. **Sutton VR**, O'Brien WE, Clark GD, Kim J, Wanders RJA. 3-Hydroxy-2-methylbutyryl-CoA Dehydrogenase Deficiency. *Journal of Inherited Metabolic Disease* 26(1):69-71, 2003

15. **Sutton VR**, Hopkins BJ, Gambhir N, Lewis RA, Van den Veyver IB. Facial and physical features of Aicardi syndrome: Infants to teenagers. *American Journal of Medical Genetics* 138(3):254-258, 2005

16. Amir RE, **Sutton VR**, Van den Veyver IB. Newborn screening and prenatal diagnosis for Rett syndrome: implications for therapy. *Journal of Child Neurology* 20(9):779-783, 2005

17. Rosa AL, Wu YQ, Kwabi-Addo B, Coveler KJ, **Sutton VR**, Shaffer LG. Allele-specific methylation of a functional CTCF binding site upstream of MEG3 in the human imprinted domain of 14q32. *Chromosome Research* 13(8):809-818, 2005

18. **Sutton VR**, Hyland JC, Phillips WA, Schlesinger AE, Brill PW. A Dominantly Inherited Spondylometaphyseal Dysplasia with "Corner Fractures" and Congenital Scoliosis. *American Journal of Medical Genetics* 133A:209-212, 2005

19. Wang X*, **Sutton VR***, Peraza-Llanes JO, Yu Z, Rosetta R, Kou YC, Eble TN, Patel A, Thaller C, Fang P, Van den Veyver IB. Mutations in X-linked *PORCN*, a putative regulator of Wnt signaling, cause focal dermal hypoplasia. *Nature Genetics* 39(7):836-838, 2007 *These authors contributed equally to this work

20. Cheung SW, Shaw CA, Scott DA, Patel A, Sahoo T, Bacino CA, Pursley A, Li J, Erickson R, Gropman AL, Miller DT, Seashore MR, Summers AM, Stankiewics P, Chinault AC, Lupski JR, Beaudet AL, **Sutton, VR**. Microarray-based CGH detects chromosomal mosaicism not revealed by conventional cytogenetics. *American Journal of Medical Genetics* 143(15):1679-1686, 2007

21. Glasmacher MAK, **Sutton VR**, Hopkins BJ, Eble T, Lewis RA, Park-Parsons D, Van den Veyver IB. Phenotype and management of Aicardi syndrome: New findings from a survey of 69 children. *Journal of Child Neurology* 22(2):176-184, 2007

22. Brunetti-Pierri N, Seidel FG, Levy ML, **Sutton VR**. Parkes Weber syndrome occurring in a family with capillary malformations. *Clinical Dysmorphology* 16(3):167-171, 2007

23. Probst FJ, Roeder ER, Enciso VB, Ou Z, Cooper ML, Eng P, Li J, Gu Y, Stratton RF, Chinault AC, Shaw CA, **Sutton VR**, Cheung SW, Nelson DL. Chromosome microarrray analysis (CMA) detects a large X chromosome deletion including FMR1, FMR2 and IDS in a female patient with mental retardation. *American Journal of Medical Genetics* 143(12):1358-1365, 2007

24. Berg JS, French SL, McCullough LB, Kleppe S, **Sutton VR**, Gunn SK, Karaviti LP. Ethical and legal implications of genetic testing in androgen insensitivity syndrome. *Journal of Pediatrics* 150(4):434-438, 2007

25. Shchelochkov OA, Patel A, Weissenberger GM, Chinault AC, Wiszniewska J, Fernandes PH, Eng C, Kukolich MK, **Sutton, VR**. Duplication of chromosome band 12q24.11q24.23 results in apparent Noonan syndrome. *American Journal of Medical Genetics* 146(8):1042-1048, 2008

26. Hopkins B, **Sutton VR**, Lewis RA, Van den Veyver IB, Clark G. Neuroimaging aspects of Aicardi syndrome. *American Journal of Medical Genetics A* 146A(22):2871-2878, 2008

27. Isackson PJ, Bennett MJ, Lichter-Konecki U, Willis M, Nyhan WL, **Sutton VR**, Tein I, Vladutiu GD. CPT2 gene mutations resulting in lethal neonatal or severe infantile carnitine palmitoyltransferase II deficiency. *Molecular Genetics and Metabolism* 94(4):422-427, 2008

28. Ou Z, Berg JS, Yonath H, Enciso VB, Miller DT, Picker J, Lenzi T, Keegan CE, **Sutton VR**, Belmont J, Chinault AC, Lupski JR, Cheung SW, Roeder E, Patel A. Microduplications of 22q11.2 are frequently inherited and are associated with variable phenotypes. *Genetics in Medicine* 10(4):267-277, 2008

29. Williams K, Scheimann A, **Sutton V**, Hayslett B, Glaze DG. Sleepiness and Sleep-Disordered Breathing in Prader-Willi Syndrome - Relationship to Genotype, Growth Hormone Therapy and Body Composition. *Journal of Clinical Sleep Medicine* 4(2):111-8, 2008

30. Shinawi M, Shao I, Jeng LJB, Shaw CA, Patel A, Bacino C, **Sutton VR**, Belmont J, Cheung SW. Low-level mosaicism of trisomy 14: phenotype and molecular characterization. *American Journal of Medical Genetetics* 1;146A(11):1395-405, 2008

31. Ben-Sachar S, Ou Z, Shaw C, Belmont J, Patel MS, Hummel M, Amato S, Tartaglia N, Berg J, **Sutton VR**, Lalani SR, Chinault C, Cheung SW, Lupski JR, Patel A. 22q11.2 distal deletion: A novel recurrent genomic disorder distinct from DiGeorge syndrome/velocardiofacial syndrome. *American Journal of Human Genetics* 82(1):214-221, 2008

32. Eble TN**, Sutton VR**, Sangi-Hachpeykar H, Wang X, Jin W, Lewis RA, Fang P, Van den Veyver IB. Non-random X chromosome inactivation in Aicardi syndrome*. Human Genetics* 125(2):211-216, 2009

33. **Sutton VR**, Plunkett K, Dang DX, Lewis RA, Bree AF, Bacino CA. Craniofacial and anthropometric phenotype in ankyloblepharon-ecotdermal defects-cleft lip/palate syndrome (Hay-Wells syndrome) in a cohort of 17 patients. *American Journal of Medical Genetics* 149A(9):1916-1921, 2009

34. Yang SY, He, XY, Oplin SE, **Sutton VR**, McMenamin J, Philipp M, Denman RB, Malik M. Mental retardation linked to mutations in the HSD17B10 gene interfering with neurosteroid and isoleucine metabolism. *PNAS* 106(35):14820-14824, 2009

35. Wang X, **Sutton VR**, Eble TN, Lewis RA, Gunaratne P, Patel A, Van den Veyver IB. A genome-wide screen for copy number alterations in Aicardi syndrome. *American Journal of Medical Genetics* 149A(10):2113-2121, 2009

36. Nagamani SCS, Erez A, Shen J, Li C, Roeder E, Cox S, Karaviti, L, Pearson M, Kang SL, Sahoo T, Lalani SR, Stankiewicz P, **Sutton VR**, Chueng SW. Clinical spectrum associated with recurrent genomic rearrangements in chromosome 17q12. *European Journal of Human Genetics* 18(3):278-284, 2010

37. Mendez-Figueroa H, Lamance K, **Sutton VR**, Aagaard-Tillery K, Van den Veyver I. Management of ornithine transcarbamylase deficiency in pregnancy. *American Journal of Perinatology* 27(10):775-784, 2010

38. Erez A, Plunkett K, **Sutton VR** (corresponding), McGuire AL. The right to ignore genetic status of late onset genetic disease in the genomic era; prenatal testing for Huntington disease as a paradigm. *American Journal of Medical Genetics* 152A(7):1774-1780, 2010

39. Dhar SU, Taylor T, Trinh C, **Sutton VR**. Cranio-meta-diaphyseal dysplasia: 25 year follow-up and review of literature. *American Journal of Medical Genetics* 152A(9):2335-2338, 2010

40. Fruhman G, El-Hattab AW, Belmont JW, Patel A, Cheung SW, **Sutton VR**. Suspected trisomy 22: Modicifation, clarification, or confirmation of the diagnosis by aCGH. *American Journal of Medical Genetics* 155A(2):434-438, 2011

41. Fernandes PH, Wen S, **Sutton VR**, Ward PA, Van den Veyver IB, Fang P. PORCN mutations and variants identified in patients with focal dermal hypoplasia through diagnostic gene sequencing. *Genetic Testing and Molecular Biomarkers* 14(5):709-713, 2010

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