

CURRICULUM VITAE

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CURRENT APPOINTMENTS

Professor, Head and Neck Division, Division of Head and Neck Cancer Research,
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PERSONAL DATA

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EDUCATION AND TRAINING

1985, B.A., Chemistry, Amherst College, Amherst, Massachusetts,

1993, M.D., Harvard Medical School, Boston, Massachusetts

1993- 1994, Intern, General Surgery, Johns Hopkins Hospital, Baltimore, Maryland

1994-1999, Resident, Department of Otolaryngology – Head and Neck Surgery, Johns
Hopkins Hospital, Baltimore, Maryland

1994-1996, Research Training in Otolaryngology NIH grant T32, Department of
Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, Baltimore, Maryland

1999-2000, Fellow-Head and Neck Division, Department of Surgery, Memorial Sloan-
Kettering Cancer Center, New York, NY

PROFESSIONAL EXPERIENCE

2000-2003, Assistant Professor, Head and Neck Division, Division of Head and Neck Cancer Research, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, Baltimore, MD

2002-3, Assistant Professor, Department of Oncology, Johns Hopkins Hospital, Baltimore,

2003-2007, Associate Professor, Head and Neck Division, Division of Head and Neck Cancer Research, Department of Otolaryngology-Head and Neck Surgery, Department of Oncology, Johns Hopkins Hospital, Baltimore, MD

2007-present, Professor, Head and Neck Division, Division of Head and Neck Cancer Research, Department of Otolaryngology-Head and Neck Surgery, Department of Oncology, Johns Hopkins Hospital, Baltimore, MD

2007- present, Director, Head and Neck Surgical Oncology Fellowship, Department of Otolaryngology-Head and Neck Surgery, Department of Oncology, Johns Hopkins Hospital, Baltimore, MD

2009-present, Research Director, Milton J. Dance Head and Neck Cancer Center, Greater Baltimore Medical Center, Baltimore, MD

RESEARCH ACTIVITIES

PEER REVIEWED PUBLICATIONS

ORIGINAL SCIENCE

1. Wellstein, A, Zugamaier G, **Califano JA III**, Kern F, Paik S, Lippman ME. *Tumor Growth Dependent on Kaposi's Sarcoma-derived Fibroblast Growth Factor Inhibited by Pentosan Polysulfate*. Journal of the National Cancer Institute, 1995; **83**(10):716-720.
2. Cairns P, Polascik TJ, Eby Y, Tokino K, **Califano J**, Merlo A, Mao L, Herath J, Jenkins R, Westra W, Rutter JL, Buckler A, Gabrielson E, Tockman M, Cho KR, Hedrick L, Bova GS, Issacs W, Schwab D, Sidransky D. *Frequency of Homozygous Deletion at p16/CDKN2 in Primary Human Tumors*. Nature Genetics. 1995; **11**(2):210-212
3. Johns M III, Westra, WH, **Califano JA**, Eisele D, Koch WM, Sidransky D. *Allelotype of Salivary Gland Tumors*. Cancer Research. 1996; **56**:1151-1154
4. **Califano J**, van der Riet, P, Westra W, Nawroz H, Clayman G, Piantadosi S, Corio R, Lee D, Greenberg B, Koch W, Sidransky D. *A Genetic Progression Model for Head and Neck Cancer: Implications for Field Cancerization*. Cancer Research. 1996; **56**:2488-2492
5. Reed A, **Califano J**, Cairns P, Westra WH, Jones R, Koch W, Ahrendt S, Eby Y, Sewell D, Nawroz H, Bartek J, Sidransky D *High Frequency of p16^{CDKN2/MTS-1/INK4A} Inactivation in Head and Neck Squamous Cell Carcinoma*. Cancer Research. 1996; **56**:3630-3633

6. **Califano JA**, Johns MM III, Westra, WH, Lango M, Eisele D, Saji, M, Zeiger MA, Udelsman R, Koch WM, Sidransky D. *An Allelotype of Papillary Thyroid Cancer*. International Journal of Cancer. 1996; **69**:442-444
7. **Califano J**, Ahrendt S, Meininger G, Koch W, Westra WH, Sidransky D. *Detection of Telomerase Activity in Oral Rinses from Head and Neck Squamous Cell Cancer Patients*. Cancer Research. 1996; **56**:5720-22
8. Lee DJ, Koch WM, Yoo G, Lango M, Reed A, **Califano J**, Brennan JA, Westra WH, Zahurak M, Sidransky D. *The Impact of Chromosome 14q Loss on Survival in Primary Head and Neck Squamous Cell Carcinoma*. Clinical Cancer Research. 1997; **3**:501-505
9. Ahrendt SA, Yang SC, Wu L, Westra WH, Jen J, **Califano JA**, Sidransky D. *Comparison of Oncogene Mutation Detection and Telomerase Activity for the Molecular Staging of Non-Small Cell Lung Cancer*. Clinical Cancer Research. 1997; **3**(7):1207-1214
10. **Califano J**, Eisele DW. *Benign Salivary Gland Tumors*. Otolaryngologic Clinics of North America. 1999; **32**(5):861-73
11. **Califano J**, Leong P, Koch W, Eisenberger C, Sidransky D, Westra WH. *Second Esophageal Tumors in Patients with Head and Neck Squamous Cell Carcinoma: An Assessment of Clonal Relationships*. Clinical Cancer Research. 1999; **5**:1862-1867
12. **Califano J**, Westra WH, Koch W, Meininger G, Reed A, Yip L, Boyle JO, Lonardo F, Sidransky D. *Unknown Primary Head and Neck Squamous Cell Carcinoma: Molecular Identification of the Site of Origin*. J Natl Cancer Inst. 1999; **91**(7):599-604
13. **Califano, J**, Miller S, Frodel J. *Treatment of Occipital Acne Keloidalis by Excision Followed by Secondary Intention Healing*. Arch Facial Plast Surg. 1999; **1**(4):308-11
14. **Califano J**, Westra WH, Meininger G, Corio R, Koch W, Sidransky D. *Genetic Progression and Clonal Relationship of Recurrent Premalignant Head and Neck Lesions*. Clin Cancer Res. 2000; **6**(2):347-52
15. **Califano J**, Koch W, Sidransky D, Westra WH. *Inverted Sinonasal Papilloma: a Molecular Genetic Appraisal of its Putative Status as a Precursor to Squamous Cell Carcinoma*. Am J Pathol. 2000; **156**(1):333-7
16. Shah SI, Yip L, Greenberg B, **Califano JA**, Chow J, Eisenberger CF, Lee DJ, Sewell DA, Reed AL, Lango M, Jen J, Koch WM, Sidransky D. *Two distinct regions of loss on chromosome arm 4q in primary head and neck squamous cell carcinoma*. Arch Otolaryngol Head Neck Surg. 2000; **126**(9):1073-6
17. Spafford MF, Koch WM, Reed AL, **Califano JA**, Xu LH, Eisenberger CF, Yip L, Leong PL, Wu L, Liu SX, Jeronimo C, Westra WH, Sidransky D. *Detection of head and neck squamous cell carcinoma among exfoliated oral mucosal cells by microsatellite analysis*. Clin Cancer Res. 2001; **7**(3):607-12 2001
18. Rosas SLB, Koch W, Carvalho MGC, Wu L, **Califano J**, Westra W, Jen J, Sidransky D. *Promoter Hypermethylation Patterns of p16, MGMT and DAP-kinase in Tumors and Saliva of Head and Neck Cancer Patients*. Cancer Research. **2001**; **61**(3):939-42, 2001

19. Patturajan M, Nomoto S, Sommer M, Fomenkov A, Hibi K, Zangen R, Poliak N, **Califano J**, Trink B, Ratovitski E, Sidransky D. *ΔNp63 induces β-catenin nuclear accumulation and signaling*. *Cancer Cell*. 2002; 1:1-11
20. Ha PK, Pai SI, Westra WH, Gillison ML, Tong BC, Sidransky D, **Califano J**. *Real time quantitative PCR demonstrates low prevalence of human papillomavirus in premalignant and malignant lesions of the oral cavity*. *Clin Cancer Res*. 2002; 8(5):1203-9
21. Ha PK, Tong BC, Westra WH, Sanchez-Cespedes M, Parella P, Zahurak M, Sidransky D, **Califano J**. *Mitochondrial C-tract alteration in premalignant lesions of the head and neck: a marker for progression and clonal proliferation*. *Clinical Cancer Research*. 2002; (7):2260-5
22. Ansari-Lari MA, Hoque MO, **Califano JA**, Westra WH. *Immunohistochemical p53 expression patterns in sarcomatoid carcinomas of the upper respiratory tract*. *Am J Surg Pathol*. 2002; (8):1024-31
23. Ha P, **Califano, J**. *Molecular Biology of Laryngeal Cancer*. *Otolaryngology Clinics of North America*. 2002; Oct;35(5):993-1012
24. Patturajan M, Nomoto S, Sommer M, Fomenkov A, Hibi K, Zangen R, Poliak N, **Califano J**, Trink B, Ratovitski E, Sidransky D. *DeltaNp63 induces beta-catenin nuclear accumulation and signaling*. *Cancer Cell*. 2002; May;1(4):369-79
25. Ha PK, Pilkington TA, Westra WH, Sciubba J, Sidransky D, **Califano J**. *Progression of Microsatellite Instability from Premalignant Lesions to Tumors of the Head and Neck*. *International Journal of Cancer*. 2002; Dec 20;102(6):615-7
26. Earnest L, Byrne P, **Califano J**. *Massive facial angiofibroma in a patient with tuberous sclerosis*. *Otolaryngol Head Neck Surg*. 2003; Jan;128(1):151-3
27. **Califano J**, Cordeiro PG, Disa JJ, Hidalgo DA, DuMornay W, Bilsky MH, Gutin PH, Shah JP, Kraus DH. *Anterior Cranial Base Reconstruction Using Free Tissue Transfer: Changing Trends*. *Head Neck*. 2003; Feb;25(2):89-96
28. Tong, BC, Ha PK, Dhir K, Xing M, Westra WH, Sidransky D, **Califano J**. *Mitochondrial DNA Alterations in Thyroid Cancer*. *Journal of Surgical Oncology*. 2003; Mar 82(3):170-3
29. Xing M, Usadel H, Cohen Y, Tokumaru Y, Guo Z, Westra WB, Tong BC, Tallini G, Udelsman R, **Califano JA**, Ladenson PW, Sidransky D. *Methylation of the thyroid-stimulating hormone receptor gene in epithelial thyroid tumors: a marker of malignancy and a cause of gene silencing*. *Cancer Res*. 2003; May 1;63(9):2316-21
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33. Ha P, **Califano J.** *The Molecular Biology of Mucosal Field Cancerization of the Head and Neck.* Critical Reviews in Oral Biology and Medicine. 2003;14(5):363-9
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36. Goldenberg D, Harden S, Masayeva BG, Ha P, Benoit N, Westra WH, Koch WM, Sidransky, D, **Califano JA.** *Intraoperative Molecular Margin Analysis in Head and Neck Cancer.* Archives of Otolaryngology – Head and Neck Surgery. 2004; Jan;130(1):39-44
37. Tong BC, Dhir K, Ha PK, Westra WH, Alter BP, Sidransky D, Koch WM, **Califano JA.** *Use of Single Nucleotide Polymorphism Arrays to Identify a Novel Region of Loss on Chromosome 6q in Squamous Cell Carcinomas of the Oral Cavity.* Head and Neck. 2004; Apr;26(4):345-52
38. Harden SV, Thomas DC, Benoit N, Minhas K, Westra WH, **Califano JA,** Koch W, Sidransky D. *Real-time gap ligase chain reaction: a rapid semiquantitative assay for detecting p53 mutation at low levels in surgical margins and lymph nodes from resected lung and head and neck tumors.* Clin Cancer Res. 2004; Apr 1;10(7):2379-85
39. Maitra A, Cohen Y, Gillespie SE, Mambo E, Fukushima N, Hoque MO, Shah N, Goggins M, **Califano J,** Sidransky D, Chakravarti A. *The Human MitoChip: a high-throughput sequencing microarray for mitochondrial mutation detection.* Genome Res. 2004; May; 14(5): 812-9
40. Masayeva BG, Ha P, Garrett-Mayer E, Pilkington T, Mao R, Pevsner J, Speed T, Benoit N, Moon CS, Sidransky D, Westra WH, **Califano J.** *Gene expression alterations over large chromosomal regions in cancers include multiple genes unrelated to malignant progression.* Proc Natl Acad Sci USA. 2004; Jun 8;101(23):8715-20; Epub 2004 May 20
41. Goldenberg D, Rosenbaum E, Argani P, Wistuba II, Sidransky D, Thuluvath PJ, Hidalgo M, **Califano J,** Maitra A. *The V599E BRAF mutation is uncommon in biliary tract cancers.* Mod Pathol. 2004; Nov;17(11):1386-91
42. Goldenberg D, Benoit NE, Begum S, Westra WH, Cohen Y, Koch WM, Sidransky D, **Califano JA.** *Epstein-Barr virus in head and neck cancer assessed by quantitative polymerase chain reaction.* Laryngoscope. 2004; Jun;114(6):1027-31
43. Hoque MO, Begum S, Topaloglu O, Jeronimo C, Mambo E, Westra WH, **Califano JA.,** Sidransky D. *Quantitative detection of promoter hypermethylation of multiple genes in the tumor, urine, and serum DNA of patients with renal cancer.* Cancer Res. 2004; Aug 1;64(15): 5511-7

44. Ha PK, **Califano JA**. *The role of human papillomavirus in oral carcinogenesis*. Crit Rev Oral Biol Med. 2004; Jul 01;15(4):188-96
45. Hoque MO, Begum S, Topaloglu O, Jeronimo C, Mambo E, Westra WH, **Califano JA**, Sidransky D. *Quantitative detection of promoter hypermethylation of multiple genes in the tumor, urine, and serum DNA of patients with renal cancer*. Cancer Res. 2004; Aug 1;64(15):5511-7
46. Tokumar Y, Yamashita K, Osada M, Nomoto S, Sun DI, Xiao Y, Hoque MO, Westra WH, **Califano JA**, Sidransky D. *Inverse correlation between cyclin A1 hypermethylation and p53 mutation in head and neck cancer identified by reversal of epigenetic silencing*. Cancer Res. 2004; Sep 1;64(17):5982-7
47. Kim M, **Califano J**. *Molecular Pathology of Head and Neck Cancer*. Int J Cancer. 2004; Nov 20;112(4):545
48. Sirianni N, Ha PK, Oelke M, **Califano J**, Gooding W, Westra W, Whiteside TL, Koch WM, Schneck JP, DeLeo A, Ferris RL. *Effect of Human Papillomavirus-16 Infection on CD8+ T-Cell Recognition of a Wild-Type Sequence p53₂₆₄₋₂₇₂ Peptide in Patients with Squamous Cell Carcinoma of the Head and Neck*. Clin Cancer Res. 2004; 10: 6929-6937
49. Masayeva BG, Tong BC, Brock MV, Pilkington T, Goldenberg D, Sidransky D, Harden S, Westra WH, **Califano J**. *Molecular Margin Analysis Predicts Local Recurrence After Sublobar Resection of Lung Cancer*. Int J Cancer. 2004; Oct 28 epub, 2005 Mar 1;113(6):1022-5
50. Jiang WW, **Califano J**. *Mitochondrial Mutations and Nasopharyngeal Carcinoma*. Cancer Biol Ther. 2004; Dec 9;3(12)
51. Kim MM, Clinger JD, Masayeva BG, Ha PK, Zahurak ML, Westra WH, **Califano JA**. *Mitochondrial DNA quantity increases with histopathologic grade in premalignant and malignant head and neck lesions*. Clin Cancer Res. 2004; Dec 15;10(24):8512-5
52. Westra WH, **Califano J**. *Toward early oral cancer detection using gene expression profiling of saliva: a thoroughfare or dead end?* Clin Cancer Res. 2004; Dec 15;10(24):8130-1
53. Carvalho AL, Nishimoto IN, **Califano JA**, Kowalski LP. *Trends in incidence and prognosis for head and neck cancer in the United States: A site-specific analysis of the SEER database*. Int J Cancer. 2005 May 1;114(5):806-16
54. Wu G, Osada M, Guo Z, Fomenkov A, Begum S, Zhao M, Upadhyay S, Xing M, Wu F, Moon C, Westra WH, Koch WM, Mantovani R, **Califano JA**, Ratovitski E, Sidransky D, Trink B. *DeltaNp63alpha up-regulates the Hsp70 gene in human cancer*. Cancer Res. 2005; Feb 1;65(3):758-66
55. Jiang WW, Masayeva B, Zahurak M, Carvalho AL, Rosenbaum E, Mambo E, Zhou S, Minhas K, Benoit N, Westra WH, Alberg A, Sidransky D, Koch W, **Califano J**. *Increased mitochondrial DNA content in saliva associated with head and neck cancer*. Clin Cancer Res. 2005; Apr 1;11(7):2486-91
56. Russo AL, Thiagalingam A, Pan H, **Califano J**, Cheng KH, Ponte JF, Chinnappan

- D, Nemani P, Sidransky D, Thiagalingam S. *Differential DNA Hypermethylation of Critical Genes Mediates the Stage-Specific Tobacco Smoke-Induced Neoplastic Progression of Lung Cancer*. Clin Cancer Res. 2005; Apr 1;11(7):2466-2470
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58. Benoit NE, Goldenberg D, Deng SX, Rosenbaum E, Cohen Y, **Califano JA**, Shackelford WH, Wang XB, Sidransky D. *Colorimetric approach to high-throughput mutation analysis*. Biotechniques. 2005; Apr;38(4):635-9
59. Zhao M, Rosenbaum E, Carvalho AL, Koch W, Jiang W, Sidransky D, **Califano J**. *Feasibility of quantitative PCR-based saliva rinse screening of HPV for head and neck cancer*. Int J Cancer. 2005; Nov 20;117(4):605-10
60. Reddy AN, Eisele DW, Forastiere AA, Lee DJ, Westra WH, **Califano JA**. *Neck dissection followed by radiotherapy or chemoradiotherapy for small primary oropharynx carcinoma with cervical metastasis*. Laryngoscope. 2005; Jul;115(7):1196-200
61. Ha PK, Couch ME, Tufano RP, Koch WM, **Califano JA**. *Short hospital stay after neck dissection*. Otolaryngol Head Neck Surg. 2005; Nov;133(5):677-80
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63. Xing M, Westra WH, Tufano RP, Cohen Y, Rosenbaum E, Rhoden KJ, Carson KA, Vasko V, Larin A, Tallini G, Tolaney S, Holt EH, Hui P, Umbricht CB, Basaria S, Ewertz M, Tufano AP, **Califano JA**, Ringel MD, Zeiger MA, Sidransky D, Ladenson PW. *BRAF mutation predicts a poorer clinical prognosis for papillary thyroid cancer*. J Clin Endocrinol Metab. 2005; Dec;90(12):6373-9
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65. Ha PK, **Califano JA**. *Promoter methylation and tumor suppressor gene inactivation in oral squamous cell carcinoma*. Lancet Oncology. 2006; Jan;7(1):77-82
66. Ha PK, Hdeib A, Goldenberg D, Jacene H, Patel P, Koch W, **Califano J**, Cummings CW, Flint PW, Wahl R, Tufano RP. *The role of positron emission tomography and computed tomography fusion in the management of early-stage and advanced-stage primary head and neck squamous cell carcinoma*. Arch Otolaryngol Head Neck Surg. 2006 Jan;132(1):12-6
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73. Zhou S, Kassauei K, Cutler DJ, Kennedy GC, Sidransky DS, Maitra A, **Califano J**. *An Oligonucleotide Microarray for High-throughput Sequencing of the Mitochondrial Genome*. *J Mol Diagn*. 2006; Sep;8(4):476-82
74. Farrag TY, Lin FR, Cummings CW, Koch WM, Flint PW, **Califano JA**, Broussard J, Bajaj G, Tufano RP. *Neck management in patients undergoing postradiotherapy salvage laryngeal surgery for recurrent/persistent laryngeal cancer*. *Laryngoscope*. 2006; Oct;116(10):1864-6
75. Carvalho AL, Chuang A, Jiang WW, Lee J, Begum S, Poeta L, Zhao M, Jerónimo C, Henrique R, Nayak CS, Park HL, Brait MRO, Liu C, Zhou S, Koch W, Fazio VM, Ratovitski E, Trink B, Westra WH, Sidransky D, Moon C, **Califano JA**. *DCC is a putative conditional tumor suppressor gene inactivated by promoter hypermethylation in head and neck squamous cell carcinoma*. *Cancer Res*. 2006; Oct 1;66(19):9401-7
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78. Serafini P, Meckel K, Kelso M, Noonan K, **Califano J**, Koch W, Dolcetti L, Bronte V, Borrello I. *Phosphodiesterase-5 inhibition augments endogenous antitumor immunity by*

reducing myeloid-derived suppressor cell function. J Exp Med. 2006; Nov 27;203(12):2691-702
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87. Mithani SK, Taube JM, Zhou S, Smith IM, Koch WM, Westra WH, **Califano JA**. *Mitochondrial mutations are a late event in the progression of head and neck squamous cell cancer.* Clin Cancer Res. 2007; Aug 1;13(15):4331-5

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INVENTIONS, PATENTS

12/10/2007 Hypomethylated Genes in Cancer WO 2009/076478 A2 (Provisional P10070-01 and P10070-02)

3/27/2008 Salivary Rinse and Serum Detection Test for Head and Neck Cancer (Provisional P10294-01 and P10294-02)

EXTRAMURAL SPONSORSHIP

CURRENT

9/30/09-9/30/12 Integrative Pathway Analysis of Epigenomic/transcriptional Alteration in HNSCC
1RC1DE020324
NIDCR
\$305,000
Principal Investigator, 25% effort

9/30/09-9/30/12 Validation of epigenetic biomarkers of head and neck cancer progression
1RC2DE020789
NIDCR
\$171,000
Principal Investigator, 25% effort

7/1/09-6/30/12 Multi-Modality Approach to Risk Assessment, Early Detection, and Prognosis of Lung Cancer
Flight Attendant Medical Research Institute

	\$45,000 PI: Charles Rudin Co-Investigator, 25% effort
1/1/09-12/31/12	Tadalafil Induced Modulation of Immune Response in HNSCC 1R21CA135635 NIH:NCI \$500,000 Principal Investigator, 20% effort
12/1/07-11/30/11	Cetuximab for Treatment of High-risk Premalignant Upper Aerodigestive Lesions NIH:NCI \$500,000 Principal Investigator, 25% effort
9/29/07-9/28/12	Spore in Head and Neck Cancer, Administrative Core 2P50CA096784 NIH:NCI \$2,300,000 PI: David Sidransky Co-investigator, 5% effort
9/29/07-9/28/12	Spore in Head and Neck Cancer, Project 1 2P50CA096784 NIH:NCI \$2,300,000 PI: David Sidransky Co-investigator, 10% effort
9/29/07-9/28/12	Spore in Head and Neck Cancer, Project 2 2P50CA096784 NIH:NCI \$2,300,000 PI: David Sidransky Co-investigator, 10% effort
9/30/04 – 6/30/11	Integrated Development of Novel Molecular Markers U01 CA84986 NIH:NCI \$592,027 PI: David Sidransky Co-investigator, 3% effort

PREVIOUS

2/01/01 - 1/31/02	<p>Expression Profile of Premalignant Lesions of the Larynx and Oral Cavity Traylor Research Fund, Johns Hopkins University SOM \$27,000 Principal Investigator</p>
7/01/00 - 6/30/02	<p>Molecular Screening in a population at risk for head and neck cancer Cigarette Restitution Fund of Maryland, State of Maryland \$100,000 Principal Investigator</p>
7/01/01 - 6/30/02	<p>Chromosomal Instability in Head and Neck Cancer Clinician Scientist Award -Johns Hopkins School of Medicine \$32,500 Principal Investigator</p>
7/01/00 - 6/30/06	<p>Molecular Screening in a Population at Risk for Head and Neck Cancer Damon Runyan Cancer Research Foundation/Lilly Clinical Investigator Award \$995,000 Principal Investigator, 44% effort</p>
7/01/01 - 6/30/04	<p>Chromosomal Instability in Head and Neck Cancer, Clinical Innovator Award Flight Attendant Medical Research Institute \$300,000 Principal Investigator, 15% effort</p>
7/01/03 – 6/30/05	<p>Role of EGFR and its downstream targets in head and neck cancers of smoking patients, Clinical Innovator Award Flight Attendant Medical Research Institute \$217,000 PI: Fomenkov Co-Investigator, 5% effort</p>
5/01/04 – 4/30/06	<p>Howard/Hopkins Cancer Center Partnership U54 CA91409 NIH/NCI \$50,000 Ceramide-mediated apoptosis induced by vitamin E succinate in human head and neck cancer PI: Abeloff Co-investigator, 3% effort</p>
7/1/04 – 6/30/06	<p>Correlation of Chronic Sinusitis and Tobacco Smoke Clinical Innovator Award</p>

Flight Attendant Medical Research Institute
\$200,000
PI: Jeffrey Wolfe
Co-investigator, 1% effort

7/01/01 - 6/30/08 SPORE in Head and Neck Cancer: Project 2
P50CA096784
NIH: NCI
\$915,062
PI: David Sidransky
Co-Investigator, 10% effort

7/01/01 - 6/30/08 SPORE in Head and Neck Cancer: Administrative Core
P50CA096784
NIH: NCI
\$1,318,432
PI: David Sidransky
Co-Investigator, 10% effort

4/01/04 - 3/30/09 Molecular Progression Model for HNSCC (Sidransky)
R01 DE12588
NIH/NIDCR
\$1,250,000
PI: David Sidransky
Co-investigator, 3% effort

4/01/04 - 3/30/08 Molecular Anatomy of Mitochondria in HNSC
R01-CD015939
NIH/NIDCR
\$1,250,000
Principal Investigator, 25% effort

12/1/05-11/30/08 HU/JHU Head and Neck Cancer Translational Research and
Education Program MI/CCP Planning Grant for Minority
Institution Cancer Center Collaboration
P20CA118782
NIH:NCI
\$500,000
Principal Investigator, 10% effort

9/30/01 – 7/31/08 NYU Oral Cancer RAAHP Center
1 U54 DE14257-04
NIH:NIDCR
\$40,000
PI: David Sirois
Co-investigator, 1% effort

7/1/06 – 6/30/09 Tobacco – Induced mitochondrial alterations in upper aerodigestive

mucosa
Clinical Innovator Award
Flight Attendant Medical Research Institute
\$300,000
Principal Investigator, 15% effort

12/01/05 - 11/30/09 Biomarkers for the Progression of Head and Neck SCC
R01 CA113882
NIH:NCI
\$250,000
PI: Norma Nowak
Co-investigator, 2% effort

ACTIVE RESEARCH PROTOCOLS

NA_00009725 Inverted Papilloma 4/12/2007	Prognostic Factors for
NA_00016107 Specimens from "Evaluation of Uridine 5 Triphosphate (UTP) in Diagnosis of Lung Cancer by Sputum Cytology" Study. 12/15/2008	Analysis of Archival
NA_00020788 from surgically resected human Head and Neck Cancer for Detection of Genetic Alterations 12/15/2008	Collection of "waste tissue"
NA_00001885 Alterations and Expression Profile of Premalignant Lesions and Adjacent Normal Mucosa of the Upper Aerodigestive Tract	Detection of Genetic
NA_00006092 Alterations in Patients with Melanoma	Detection of Molecular
NA_00021443 Changes in Head and Neck Cancer Patients from Specimens Received from Collaborating Insitutions	Detection of Molecular
NA_00001911 Patients with Lung Pathology- Rochester Approved	Molecular Analysis of 12/15/2008
NA_00013855 and Neck Cancer Patients in India	Molecular Changes in Head

- 1 **Califano J**, Shah J. *Screening Panendoscopy*, (Editorial). Head Neck. 2000; **22**(5):454-5
- 2 Westra WH, **Califano J**. *Toward early oral cancer detection using gene expression profiling of saliva: a thoroughfare or dead end?* Clin Cancer Res. 2004; Dec 15;10(24):8130-1

BOOKS/TEXTBOOKS

BOOK CHAPTERS

1. **Califano J**, Sidransky D. *Molecular Biology of Head and Neck Cancer*. Head and Neck Cancer: A Multidisciplinary Approach, Chapter 1, Harrison L, Hong, WK, Sessions R, eds Lippincott-Raven Publishers, 1998
2. **Califano J**, Eisele D. *Salivary Glands*. Oxford Textbook of Surgery. Oxford Press, 2001
3. **Califano J**, Sidransky D. *Molecular Analysis of Tumors*. Multiple Primary Cancers, Chapter 11, Neugut, AI, Robinson, E, Meadows AT, eds Lippincott Williams & Wilkins, 1999
4. **Califano J**, Shah J. *Salivary Glands*. The Practice of General Surgery. Bland, KI, ed, WB Saunders Company, 2001
5. **Califano J**, Kraus D. *Surgical Evaluation and Management of Goiter*. Endocrine Surgery of the Head and Neck. Pellitteri, PK, ed Singular, 2002
6. **Califano J**, Spiro R. *Prognostic Factors for Salivary Gland Cancer*. Prognostic Factors in Cancer. 2nd Edition, Gospodarowicz, M, ed, Springer, New York, 2001
7. **Califano J**, Sidransky D. *Molecular Biology of Head and Neck Cancer* Head and Neck Cancer: A Multidisciplinary Approach, 2nd Ed, Harrison L, Hong, WK, Sessions R, eds Lippincott-Raven Publishers, 2003
8. Ha, P, Goldenberg, D, Walpoe, M, **Califano J**. *Molecular Biology of Head and Neck Cancer*. Otolaryngology-Head and Neck Surgery. Cummings, et al eds Mosby, 2004
9. Oral Cancer, The Maryland Comprehensive Cancer Control Plan, Committee Member, 2004, 2010
10. Smith I and **Califano J**. Molecular diagnostic approaches to head and neck cancer. Ballenger's Otorhinolaryngology-Head and Neck Surgery. Snow et al. BC Decker, 2009

11. Agrawal N, Califano J, and Ha P. Molecular Biology of Head and Neck Cancer. DeVita, Hellman, and Rosenberg's Cancer: Principles of Practice of Oncology, 9th edition, Wolters Kluwer Lippincott Williams and Wilkins, 2011.

TEACHING

CLASSROOM INSTRUCTION

2000, 2002, 2003, Human Anatomy Course, Johns Hopkins Medical School, Faculty

2001, Clinical Skills Course, Johns Hopkins Medical School, Instructor

2003-2006, Introduction to Clinical Medicine,

2005-6, Fundamentals Clinical Oncology Course Johns Hopkins School of Public Health

CLINICAL INSTRUCTION

2000-2005 Head and Neck Rounds, faculty

2004-7 Introductory Airway Lecture, Department of Otolaryngology-Head and Neck Surgery

2007- present, Head and Neck Surgical Oncology Fellowship Journal Club

2/27/2010, Pectoralis Flap Dissection, Head and Neck Dissection course, Johns Hopkins, Baltimore, MD

2010- Tracheostomy management, Department of Otolaryngology-Head and Neck Surgery

CME INSTRUCTION

2001, **Califano J**, *Basic Molecular Head and Neck Carcinogenesis*, Head and Neck Cancer, Johns Hopkins Hospital, 2001

2001, Esclamado, RM, Forastiere, AA, Harrison, LB, Saunders, JR, **Califano JA** *Oropharyngeal Carcinoma- Panel Discussion*. Head and Neck Cancer. 2001, Johns Hopkins Hospital

2001, Eisele DW, **Califano JA**, Couch, ME, Gillison, ML, Lee DJ *Nasal Cavity/Paranasal Sinuses/Nasopharyngeal Carcinoma – Panel Discussion*. Head and Neck Cancer. 2001, Johns Hopkins Hospital

January 13, 2003, Parapharyngeal Space Tumors, Grand Rounds, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, Baltimore, Maryland,

October 11, 2003, Research Program: A Tribute to the Legacy of Dr Charles Cummings. Moderator Johns Hopkins Hospital, Baltimore, Maryland

MENTORING

2000-2001, Betty Tong, MD, Resident, Department of Surgery, Johns Hopkins Hospital. Dr Tong is Assistant Professor of Surgery at Duke University

2000-2002, Khalid Minhas, MD Postdoctoral fellow, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital. Dr Minhas received the Trainee Award at the 6th International Workshop on the Biology, Prevention and Treatment of Head and Neck Cancer in 2002

2000-2006, Patrick K Ha, MD, Resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, T32 Research Training in Otolaryngology. Dr Ha was awarded the Maryland Society of Otolaryngology Resident Research Award. Dr Ha is currently Assistant Professor, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Medical School

2001, Thomas Pilkington, BS, medical student, Johns Hopkins School of Medicine, currently Resident, Division of Otolaryngology-Head and Neck Surgery, Duke University Medical School, Durham, NC

2001, Tracey Speed, undergraduate student, Colby College, Waterville, ME, currently MD/PhD Candidate Johns Hopkins University Medical School

5/2001-8/2001, Karan Dhir, BA medical student, St Louis University Medical School, St Louis, MO, Currently Otolaryngology-Head and Neck Surgery Resident, Mount Sinai Hospital, New York, NY

2001-2002, Ashok Reddy, MD, Resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital

2001-2003, Brett Masayeva, MD, Resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, T32 Research Training in Otolaryngology. Dr Masayeva was awarded the Maryland Society of Otolaryngology Resident Research Award

2001-2003, Ming Zhao, MD, PhD, postdoctoral fellow, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, currently Associate Professor Norman Bethune Medical School of Jilin University, China

2001-2005, Wei-Wen Jiang, MD, PhD, postdoctoral fellow, Department of Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital. Currently Professor, Department of Oral Mucosal Diseases, Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai Key Laboratory of Stomatology, Shanghai, China

2002-2003, David Goldenberg, MD Postdoctoral fellow, Department of Otolaryngology - Head and Neck Surgery, Johns Hopkins Hospital. Dr Goldenberg was awarded the 2003 Basic Science Research Award by American Head and Neck Society. Current position Assistant Professor, Department of Otolaryngology, Hershey Medical Center, Hershey, PA

2002-2004, Michael Kim, MD, Resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital. Dr Kim was awarded the AACR Scholar in Training Award, 2004, and The Maryland Society of Otolaryngology-Head and Neck Surgery Resident Research Award, first place, 2004

2003, John Clinger, BS, medical student, Johns Hopkins School of Medicine

2003-present, Matthew Wolpoe, MD, resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital

2003-2006, Andre Carvahlo, MD, visiting scientist, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital. Currently Assistant Professor USP Sao Paulo, Brazil

2004, Chetan Nyack, MD resident, Division of Otolaryngology-Head and Neck Surgery, University of Maryland. The Maryland Society of Otolaryngology-Head and Neck Surgery Resident Research Award, first place, 2005

2004, 2006, Steven Chang, BS,MD, medical student, Johns Hopkins School of Medicine, currently resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, T32 Research Training in Otolaryngology

2004-2006, Chunyan Liu, PhD postdoctoral fellow, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital

2004-2008, Shaoyu Zhou, PhD postdoctoral fellow, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, currently Assistant Research Professor Center for Environmental Health, Indiana University, Indianapolis, IN

2005-present, Wojciech Mydlarz, M.D. medical student and resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital Johns Hopkins School of Medicine,

2005- present, Ian Smith, MD, Resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital. The Maryland Society of Otolaryngology-Head and Neck Surgery Resident Research Award, 2006

2005-present, Suhail Mithani, MD, Resident, Division of Plastic Surgery, Department of General Surgery, Johns Hopkins Hospital

2005-present, Chad Glazer, B S, medical student and resident, Johns Hopkins School of Medicine and Johns Hopkins Hospital, received NIH LRP award, 2007

2005- present, Xinbin Gu, PhD Professor, Howard University College of Dentistry via P20, "HU/JHU Head and Neck Cancer Translational Research and Education Program", NCI

2005- present, Esther Childers, DDS Assistant Professor, Howard University College of Dentistry via P20, "HU/JHU Head and Neck Cancer Translational Research and Education Program", NCI

2005-2009, Nanette Liegeois, MD PhD, Assistant Professor, Department of Dermatology, Johns Hopkins Medical School, awarded American Dermatology Foundation Award 2005-2006

2006, David Houhan, medical student, MPH candidate, Johns Hopkins School of Medicine, Johns Hopkins School of Public Health

2006, Andrew Gray, dental student, Howard University School of Dentistry

2006-2007, Shannon Shan, medical student, Johns Hopkins School of Medicine, Alpha Omega Alpha Research Fellowship recipient 2007, to support mentored laboratory research

2007-2010, Semra Demokan, PhD, postdoctoral student, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital. Currently Associate Professor, Department of Basic Oncology, Oncology Institute, Istanbul University, Istanbul, Turkey

2008-present, Patrick Hennessey, M.D., Resident, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, first place Maryland Otolaryngology Society Resident Research Award

2008-2010, Kavita Pattani, M.D., Head and Neck Surgical Oncology Fellow, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, currently Assistant Professor, MD Anderson Cancer Center, Orlando, Florida

2009- 2010, Juliana Schussel, Oral Pathology PhD candidate, Oral Pathology Department School of Dentistry- University of Sao Paulo, Sao Paulo, Brazil

2009- present, Elana Fertig, research fellow, Oncology Biostatistics, Johns Hopkins Department of Oncology, co-mentor for K25 Mentored Quantitative Research Career Development Award. Currently Assistant Professor, Oncology Biostatistics, Johns Hopkins Department of Oncology.

2010-present, Maomoru Uemara, research fellow, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital

2010-present, David Zaboli, medical student, Johns Hopkins Medical School, Baltimore, Maryland

TRAINING GRANT PARTICIPATION

T32 Research Training in Otolaryngology 2000-present, laboratory mentor for Patrick Ha, MD, Brett Masayeva, MD, Michael Kim, MD, Ian Smith, MD, Steven Chang, MD, Chad Glazer, MD, Wojciech Mydlarz, MD, Patrick Hennessey, MD

CLINICAL ACTIVITIES

CERTIFICATION:

State of Maryland Physician and Surgeon #D0048120

American Board of Otolaryngology #16591 4/24/00

Fellow, American College of Surgeons, 10/11/07

SERVICE RESPONSIBILITIES

Head and Neck Division, attending surgeon, 30% effort

ORGANIZATIONAL ACTIVITIES

INSTITUTIONAL ADMINISTRATIVE APPOINTMENTS

2001, Ad Hoc Committee on Faculty Appointment, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital

2001- present, Clinical Co-Director, Head and Neck SPORE

2002, 2003, 2004, 2005, 2006, Clinical Credentials Committee, Department of Otolaryngology- Head and Neck Surgery, Johns Hopkins Hospital

2003, Residency Education Committee, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital

2003, 2004, Operating Room Committee, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital

2004, Tissue Banks Committee, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins Hospital

2005-2006, Research Information Technology Director Search Committee, Department of Oncology, Johns Hopkins Hospital

2005-2008, DVT collaborative, Otolaryngology-Head and Neck Surgery Team

2002-present, Melanoma Cutaneous Oncology Group

2007- present Head and Neck Surgical Oncology Fellowship Director
Johns Hopkins Department of Otolaryngology, Head and Neck Surgery

2009, Research Strategic Planning Working Group, co-chair

2010, Research IT Prioritization Committee

EDITORIAL ACTIVITIES

EDITORIAL BOARD APPOINTMENTS

Oral Oncology, Editor

ORL, Associate Editor

Annals of Surgical Oncology, Associate Section Editor

American Journal of Translational Research, Editorial Board

Head and Neck Pathology, Editorial Board 2006-2009

Oral Pathology, Editorial Board

Annals of Surgical Oncology, Section Editor, 2010

Cancer Prevention Research, Editorial Board

PLoS One, Associate Editor, 2011

JOURNAL PEER-REVIEW ACTIVITIES

British Journal of Cancer, reviewer

Cancer, reviewer

Cancer Research, reviewer

Clinical Cancer Research, reviewer

Archives of Otolaryngology-Head and Neck Surgery, reviewer

Otolaryngology-Head and Neck Surgery, reviewer

The Journal of Laboratory Research, reviewer

Lung Cancer, reviewer

International Journal of Cancer, reviewer

Head and Neck, reviewer

Journal of Cutaneous Medicine and Surgery, reviewer

Genes, Chromosomes, and Cancer, reviewer

Journal of Biological Chemistry, reviewer

PLoS One, reviewer

ADVISORY COMMITTEES

October 27, 2005, Milton J Dance Head and Neck Rehabilitation Center Retreat, Baltimore, MD

2002-3, Maryland Council on Cancer Control, Oral Cavity and Oropharyngeal Cancer Committee,

2006-present, American Joint Committee on Cancer Head and Neck Task Force

2007-8, American Joint Committee on Cancer Cutaneous Task Force

2007-present, Fanconi Anemia Research Foundation Scientific Advisory Board

2007- present, AdhAQP1 Data Safety Management Board, NIDCR

2008- present NIH Head and Neck Steering Committee

2010, Maryland Council on Cancer Control, Oral Cavity and Oropharyngeal Cancer Committee

2010, NIDCR Salivary Diagnostics CSOC Committee

June 2, 2010, External Review, MD Anderson Head and Neck Surgery Department Research Program, Houston, Texas

2010, Salivary Gland U01 (PI: El Naggar) at MD Anderson Cancer Center, External Advisory Board Member

2010, TCGA Head and Neck Disease Working Group, NCI

2011, NCI Head and Neck Previously-Untreated, Locally-Advanced Disease Task Force

GRANT REVIEW ACTIVITIES

2003, Office of Rare Diseases, National Institutes of Health, ad hoc reviewer

2003, Cancer Research UK, reviewer

2003, Dutch Cancer Society, reviewer

2003-2005, American Head and Neck Society, Scientific Review Committee

2004, Swiss National Science Foundation, reviewer

Feb 17-18, 2005, NIDCR Special Grants Review Committee guest reviewer

June 2005, NCI Special Grants Review Committee guest reviewer

Oct 20-21, 2005, NIDCR Special Grants Review Committee guest reviewer

Nov 3, 2005, NHGRI K23 Therapeutic Interventions Committee, reviewer

June 15, 2006, NIDCR Special Grants Review Committee

November 10, 2006, NCI Tumor Cell Biology Study Section Oncologic Sciences IRG Grant Review

July 15-16, 2009, NIH/NHGRI NHGRI Medical Sequencing Discovery Projects Review Panel

July 2009, Austrian Academy of Sciences DOC-fFORTE grant Review

February 2010, U.S.-Israel Binational Science Foundation

February 3, 2010, NIH/NCI CBSS J(08) study section reviewer

June 2011, Head and Neck Cancer program 2011" of the French National Cancer Institute (INCa).

PROFESSIONAL SOCIETIES

American Association for the Advancement of Science, member

American Association for Cancer Research, member

American Academy of Otolaryngology-Head and Neck Surgery, member

American College of Surgeons, fellow

Massachusetts Medical Society

American Head and Neck Society (AHNS), member

International Academy of Oral Oncology, Councilor and Founding Fellow

2001, Member, Internal Advisory Committee, Maryland Cigarette Restitution Fund

October 09, 2002, Program Committee, Head and Neck Society 6th Research Workshop on the Biology, Prevention, and Treatment of Head and Neck Cancer - - McLean VA

2000-2003, American Head and Neck Society (AHNS) Fellowship and Scholarship Committee,

February 19, 2004, NIH CaBIG Inaugural Meeting, Tissue Banks and Pathology group, advisor Washington, DC

2004, 6th International Conference on Head and Neck Cancer, abstract reviewer

2005-2006 AHNS Neck Dissection Committee

2005, AHNS Program Committee Meeting

2005-present, Council and founding member, International Academy of Oral Oncology,

2005-present, Chair, Research Committee, International Academy of Oral Oncology

2006-10, AHNS Program Committee

2007-10, AHNS Research Committee

2010, AHNS Awards Committee

2006-10, Program Committee, International Academy of Oral Oncology (IAOO) 1st World Congress,

2007-10, Advanced Training Council, American Head and Neck Society

RECOGNITION

AWARDS, HONORS

Maryland Society of Otolaryngology – Head and Neck Surgery Resident Research Award, 1995, 1st place

American Academy of Otolaryngology – Head and Neck Surgery Resident Research Award, 1996, 1st place, basic science

Maryland Society of Otolaryngology – Head and Neck Surgery Resident Research Award, 1997, 1st place

Presidential Citation, 2009 American Head and Neck Society

INVITED TALKS, PANELS

1999, **Califano JA.** *Molecular Aspects of Field Cancerization: In Search of the Unknown Primary.* Johns Hopkins Biennial Meeting

2000, **Califano J.** *Molecular Genetics of Field Cancerization.* Head and Neck Tumor Conference, Memorial Sloan-Kettering Cancer Center

August 1, 2000, Keynote Lecture Chair, 5th International Conference on Head and Neck Cancer, San Francisco, California

2001, **Califano J.** *Basic Molecular Head and Neck Carcinogenesis.* Head and Neck Cancer 2001, Johns Hopkins Hospital

2001, Esclamado, RM, Forastiere, AA, Harrison, LB, Saunders, JR, **Califano JA**. *Oropharyngeal Carcinoma- Panel Discussion*. Head and Neck Cancer 2001, Johns Hopkins Hospital

2001, Eisele DW, **Califano JA**, Couch, ME, Gillison, ML, Lee DJ *Nasal Cavity/Paranasal Sinuses/ Nasopharyngeal Carcinoma – Panel Discussion*. Head and Neck Cancer 2001, Johns Hopkins Hospital

2001, Recent Advances in the Molecular Biology of Head and Neck Cancer, Biennial Symposium, Department of Otolaryngology – Head and Neck Surgery, Johns Hopkins Hospital

2001, Parapharyngeal Space Tumors, The Second International Congress of the Syrian Society of Otolaryngology-Head and Neck Surgery and the Third ARABFOS Congress, Damascus, Syria

2001, Free Flap Reconstruction of Anterior Cranial Fossa Defects after Tumor Resection, The Second International Congress of the Syrian Society of Otolaryngology-Head and Neck Surgery and the Third ARABFOS Congress, Damascus, Syria

2001, Future Directions in Head and Neck Cancer: Molecular Diagnosis and Screening, The Second International Congress of the Syrian Society of Otolaryngology-Head and Neck Surgery and the Third ARABFOS Congress, Damascus, Syria

October 24, 2001, Molecular Detection of Head and Neck Cancer. 20th Anniversary Milton J Dance Center Conference on Head and Neck Rehabilitation, Greater Baltimore Medical Center, Baltimore, Maryland

November 29, 2001 Molecular Screening for Head and Neck Cancer Research Matters: A Conference on Cigarette Restitution Fund Initiatives. Johns Hopkins Comprehensive Cancer Center, Baltimore, Maryland

February 15, 2002, Molecular Detection Strategies and the Genetic Progression of Head and Neck Cancer. Tumor Biology Seminar, Lombardi Cancer Center, Georgetown University Medical Center, Washington, DC

February 25, 2002, Molecular Biology and Head and Neck Cancer: Forever Engaged and Never Married? Grand Rounds, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, Baltimore, MD

April 10, 2002, Chromosomal Instability in Head and Neck Cancer. Flight Attendant Medical Research Institute Annual Meeting, Miami, FL

April 27, 2002, Head and Neck Cancer Panel. Fanconi Anemia Conference, Chicago, IL

May 5, 2002, Head and Neck Cancer Screening Follow-up. Knights of Columbus, Baltimore, MD

July 1, 2002, Just when you thought it was safe: the return of the head and neck progression model, transcription! Graduation Ceremonies, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Medical School, Baltimore, MD

October 24, 2002, Head and Neck Cancer: From the Laboratory to the Patient and Community. Maryland Department of Legislative Services Health Workgroup, Baltimore, Maryland

October 11, 2002, Co-chair, Mutations/Chromosomal Alterations (Genetics) The Sixth Research Workshop on the Biology, Prevention, and Treatment of Head and Neck Cancer, McLean, Virginia,

October 25, 2002, Tracheostomy Care for the Non-Otolaryngologist, Medical Oncology Grand Rounds, Johns Hopkins Hospital, Baltimore, Maryland

January 13, 2003, Parapharyngeal Space Tumors, Grand Rounds, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, Baltimore, Maryland,

January 17, 2003, The Impact of Molecular Discovery: New Screening Approaches in Head and Neck and Lung Cancer. Fundamentals of Oncology for Public Health Professionals, The Johns Hopkins School of Public Health, Baltimore, Maryland,

February 5, 2003, Invited Guest Interview, "Molecular Detection of Cancer," RCN Radio Cadena Nacional of Colombia

February 12, 2003, Molecular Detection in Upper Aerodigestive Tract Cancer. NLST/PLCO Meeting Santa Monica, California,

March 22, 2003, Molecular Biology of Oral Cancer. North American Society of Head and Neck Pathology Annual Meeting Washington, DC,

May 1, 2003, Parapharyngeal Space Neoplasms LIII National Congress of the Mexican Society of Otolaryngology, Cancun, Mexico

May 3, 2003, Surgical Management of Neck in Head and Neck Cancer. LIII National Congress of the Mexican Society of Otolaryngology, Cancun, Mexico

May 2, 2003, Paranasal Sinus Tumors: Panel Discussion. LIII National Congress of the Mexican Society of Otolaryngology, Cancun, Mexico

May 2, 2003, Head and Neck Tumor Board Presentation. LIII National Congress of the Mexican Society of Otolaryngology, Cancun, Mexico

May 15, 2003, Chromosomal Instability in Head and Neck Cancer and Spindle Assembly Checkpoint Impairment. Second Annual Meeting of the Flight Attendant Medical Research Institute, Miami Florida

June 9, 2003, Surgical Management of Neck in Head and Neck Cancer, Grand Rounds, Department of Otolaryngology, Head and Neck Surgery, Johns Hopkins Hospital, Baltimore, Maryland

July 15-18, 2003, World Health Organization 2003 Consensus Conference on Head and Neck Tumors, Lyon, France

October 4, 2004, Practical Lessons from the Molecular Biology of Head and Neck Cancer Development, Grand Rounds, Department of Otolaryngology-Head and Neck Surgery, Johns Hopkins Hospital, Baltimore, MD

October 20, 2003, An Update on Head and Neck Cancer. American College of Surgeons 89th Annual Congress Chicago, IL,

October 24, 2003, Mitochondria and Head and Neck Cancer. Milton J Dance Center for Head and Neck Rehabilitation, Baltimore, MD

November 11, 2003, Surgical Management of Head and Neck Melanoma: A Multidisciplinary Approach to Melanoma. Baltimore Maryland,

April 8, 2004, Molecular Alteration in Head and Neck Cancer. Head and Neck Division, Memorial Sloan Kettering Cancer Center, New York, New York

May 5, 2004, Mitochondrial Alteration in Head and Neck Cancer. National Institute for Dental and Craniofacial Research, Rockville, Maryland

May 21, 2004, Surgical Management of the Neck in Head and Neck Cancer, Greater Baltimore Medical Center, Baltimore, Maryland

May 25, 2004, Mitochondrial Alteration in Head and Neck Cancer. P01 Symposium, University of Pennsylvania Medical Center, Philadelphia, Pennsylvania

July 28, 2004, Molecular Biology of Head and Neck Cancer: How Well Are We Translating? Frontiers in Otolaryngology, Noosa, Queensland, Australia

July 29, 2004, New Discoveries in the Progression of Head and Neck Cancer. Frontiers in Otolaryngology, Noosa, Queensland, Australia

August 7, 2004, Introduction to Tumor Biology, Part A. Panel Member, 6th International Conference on Head and Neck Cancer, Washington, DC

August 7, 2004, Introduction to Tumor Biology, Part B. Invasion and Metastasis. Panel Member, 6th International Conference on Head and Neck Cancer, Washington, DC

August 8, 2004, Keynote Lecture. Introduction: Early Laryngeal Cancer Introduction to Tumor Biology. Part A, Panel Member, 6th International Conference on Head and Neck Cancer, Washington, DC

September 12, 2004, Practical Lessons from the Molecular Biology of Head and Neck Cancer Development. Canadian Association of Radiation Oncology, Halifax, NS, Canada

October 29, 2004, Translational Research in Head and Neck Cancer: A Liberal Approach. Research Symposium University of California at San Francisco San Francisco, California

Molecular Screening for Head and Neck Cancer. 4th International Brazilian Congress on Oral Cancer, Sao Paulo, Brazil November 4, 2004

November 4, 2004, Treatment of the N0 Neck in Oral Cancer. 4th International Brazilian Congress on Oral Cancer, Sao Paulo, Brazil

Nov 5, 2004, Premalignant Lesions of the Head and Neck: New Discoveries in Biology, Prognosis, and Treatment. Sao Paulo, Brazil

November 12, 2004, Head and Neck Cancer: Patient Education Event, Moderator. Solomon's Island, Maryland

December 9, 2004, Head and Neck Cancer Fundamentals of Oncology for Public Health Professionals, The Johns Hopkins School of Public Health, Baltimore, Maryland

April 21, 2005, Treatment policies in the advanced (stage III and IV) disease. 10th International Congress on Oral Cancer, Crete, Greece

April 22, 2005, Positive Margins: What to do? 10th International Congress on Oral Cancer, Crete, Greece

April 22, 2005, Molecular Progression of Head and Neck Cancer: An Update. 10th International Congress on Oral Cancer, Crete, Greece

May 9, 2005, Teaching Old Genes New Tricks: DCC in Head and Neck Cancer. University of Pittsburgh, Pittsburgh, Pennsylvania

May 15, 2005, Moderator, Scientific Session #2, 2005 American Head & Neck Society Annual Meeting, Boca Raton, Florida

May 16, 2005, Biomarkers for Prognosis. 2005 American Head & Neck Society Annual Meeting, Boca Raton, Florida

September 21, 2005, Oral Cancer Management. Johns Hopkins – Bermuda teleconference

April 20, 2006, Mitochondrial Alteration in Head and Neck Cancer, Medical University of South Carolina

April 21, 2006, What's new: from research bench to bedside. Head and Neck Cancer Update, Towson, Maryland

April 22, 2006, Caregivers Seminar. Head and Neck Cancer Update, Towson, Maryland

May 15, 2006, Epigenetics of Head and Neck Cancer. 11th International Congress on Oral Cancer, Grado, Italy

May 15, 2006, New discoveries in premalignant lesions. 11th International Congress on Oral Cancer, Grado, Italy

May 25, 2006, Mitochondria and Head and Neck Cancer, University of Maryland

June 29, 2006, The impact of basic science on clinical practice. Chair 3rd World Congress of International Federation of Head and Neck Oncologic Societies, Prague, Czech Republic,

August 16, 2006, Role for LOH and Polymorphic Analysis in Screening for Oral Cancer Treatment Response, American Dental Association

August 17, 2006, Markers of outcome and response to therapy. Annual Meeting of the American Head and Neck Society

October 29, 2006, Future Management of Neck Metastases, Crile Centennial Symposium, Cleveland, Ohio

November 2, 2006, Clinicopathologic Session. Advances in Oral Cancer, International Symposium, University of the Basque Country, Bilbao, Spain

November 2, 2006, Advances in Oral Carcinogenesis. Advances in Oral Cancer, International Symposium, University of the Basque Country, Bilbao, Spain

November 27, 2006 Damon Runyon-Lilly Award Symp. Molecular detection of head and neck cancer, impact on biologic discovery, Indianapolis, Indiana

February 23, 2007, Detection and Screening, International Meeting on Innovative Approaches in H&N Oncology, Barcelona, Spain

March 14, 2007 Mitochondrial Genetic Alteration in HNSCC. Georgetown University, Washington, DC

April 3, 2007 Mitochondrial Genetic Alteration in HNSCC. Howard University Dental College, Washington, DC

April 19, 2007 New Advances in Head and Neck Cancer. 61st Annual Meeting of the Japanese Stomatological Society, Kobe, Japan

May 16, 2007 Minimally Transformed Oral Keratinocytes are resistant to Mitochondrial Membrane Depolarization induced Apoptosis after Chronic Cigarette Smoke Extract Exposure. FAMRI Meeting 2007, Miami, Florida

May 19, 2007 Mitochondrial Mutation and EGFR Alterations in Oral Cancer. 1st World Congress of the International Academy of Oral Oncology, Amsterdam, Netherlands

September 17, 2007 Mitochondrial Dysregulation and Molecular Diagnostics, AACR Molecular Diagnostics Meeting, Atlanta, GA

October 18, 2007 Mitochondrial Alteration in Head and Neck Cancer, Mello Cancer Symposium, Amsterdam, Netherlands

November 14, 2007, Recent advances in oral premalignancy, Howard University College of Dentistry, Washington, DC

April 13, 2008, Molecular Perspectives in Premalignancy, 3rd Shanghai International Conference in Otolaryngology—Head and Neck Surgery, Shanghai, China

April 14, 2008, Mitochondrial Mutation in Head and Neck Cancer, Renji Hospital, Shanghai, China

April 22, 2008, Promoter Hypermethylation as a Biomarker in Salivary Rinses for Head and Neck Cancer. Mega-issue Discussion on Salivary Diagnostics, American Dental Association, Chicago, IL

July 21, 2008, Moderator, Basic/Translational Science, 7th International Conference on Head and Neck Cancer, San Francisco, CA

April 1, 2009, Demethylation of Oncogenes in Head and Neck Cancer, NIAID, Rockville, MD

April 27, 2009, Biomarkers in Upper Aerodigestive Cancers, Damon Runyan Clinical Investigator Symposium, New York, NY

May 23, 2009, miRNA analysis for individualized therapy for cancer, EORTC Conference on Pathobiology of Cancer, Antalya, Turkey

July 9, 2009, Molecular analysis of salivary rinses as an independent prognostic indicator in head and neck cancer, International Academy of Oral Oncology Annual Meeting, Toronto, Canada

July 10, 2009, Biomarkers and therapeutic targets in oral premalignancy, International Academy of Oral Oncology Annual Meeting, Toronto, Canada

November 6, 2009 Epigenetic biomarkers of disease status and response in HNSCC, Head and Neck SPORE Breakout Session, 2009 NCI Translational Science Meeting, Vienna, Virginia

April 16, 2010, Salivary Rinse Biomarker Update, Inter SPORE Head and Neck Meeting, Baltimore, Maryland

April 29, 2010, Moderator, Basic Science Panel, American Head and Neck Society/Combined Otolaryngology Spring Meeting, Las Vegas, Nevada.

August 29, 2010, Molecular Markers for Risk Stratification for Oral Cancer, Symposium: Oral Cancer Clinical and Scientific Advances 2010 American Association of Oral and Maxillofacial Surgeons Annual Meeting, Chicago, Illinois

October 14, 2010, Epigenetics of Oral Cancer, University of Michigan School of Dentistry, Ann Arbor, Michigan

October 28, 2010, Epigenomic Salivary Markers for Head and Neck Cancer Detection, American Head and Neck Society 2010 Research Workshop, Arlington, Virginia

October 28, 2010, Tadalafil Induced Immune Modulation in Head and Neck Cancer American Head and Neck Society 2010 Research Workshop, Arlington, Virginia

October 29, 2010, Proteomics/Genomics Session Moderator American Head and Neck Society 2010 Research Workshop, Arlington, Virginia

October 29, 2010, Epigenetic Artifact in Head and Neck Cancer Cell Lines American Head and Neck Society 2010 Research Workshop, Arlington, Virginia