

## **Nadarajah Vigneswaran, BDS, DMD, DrMedDent**

### **POSITIONS**

Professor and Director of Oral and Maxillofacial Pathology  
Diagnostic Services Department of Diagnostic and Biomedical  
Sciences  
UTHealth School of Dentistry at Houston  
Adjunct Professor, Department of  
Pathology UTHealth McGovern Medical  
School

### **EDUCATION AND TRAINING**

- BDS (Bachelor of Dental Surgery) from University Peradeniya, Sri Lanka
- Dr.Med.Dent (Doctoris Medicinae Dentariae) from Friedrich-Alexander University, Erlangen, Germany
- DMD from University of Alabama School of Dentistry at Birmingham (UAB)
- Postdoctoral training in Oral Biology, Dental Research Center, Emory University
- Residency in Oral and Maxillofacial Pathology, Emory University School of Medicine
- Fellowship in Oral Pathology and Dental Oncology, UAB School of Dentistry and Comprehensive Cancer Center

### **CERTIFICATIONS**

- The American Board of Oral and Maxillofacial Pathology
- Fellowship in American Academy of Oral Pathology
- Georgia Board of Dentistry
- Western Regional Examining Board (WREB)
- The Board of Dental Examiners of Alabama
- National Board Dental Examinations, Part 1 & II

### **LICENSURE/BOARDS**

- Ceylon Medical Council, Dentistry
- Alabama Dental License
- Texas Dental License
- Georgia Dental License
- American Board of Oral and Maxillofacial Pathology, Diplomate

### **HONORS AND AWARDS**

- Awarded "THE CAMBRIDGE CERTIFICATE" for Outstanding Medical Achievement (2017)
- Best Original Article of the Year (2016) from the journal *Oral Diseases*, in recognition of a research paper, PMID# 25662766
- Best Paper Award in Oral Maxillofacial Pathology (2016) from the journal *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology*, in recognition of a research paper, PMID# 25747176
- Best Clinical Abstract Award (2015); 27<sup>th</sup> Annual Fanconi Anemia Research Fund Scientific Symposium,
- Invited contributor to the "World Health Organization Classification of Tumors:

*Head and Neck Tumors*, 4<sup>th</sup> Edition; Ohgaki, H (series editor), IARC Press 2015; <http://publications.iarc.fr/Book-And-Report-Series/Who-Iarc-Classification-Of-Tumours/Who-Classification-Of-Head-And-Neck-Tumours-2017>

- Nominated for Regents Outstanding Teaching Award, UTHealth School of Dentistry at Houston, 2015
- Invited speaker, The Edward C. Hinds Symposium on Contemporary Oral and Maxillofacial Surgery, Houston, Texas, 2014
- Invited Speaker, 26<sup>th</sup> Annual Fanconi Anemia Research Fund Scientific Symposium, 2014
- Nominated to the membership in the American Academy of Dental Sciences and the National Institute of Medicine
- Dean's Excellence Award in Research, UTHealth School of Dentistry at Houston, 2013
- Selected as "TOP DENTIST" by *Houstonia* magazine, 2013-2015
- Selected for citation in "Global Medical Discovery" of a research paper, PMID# 22719762
- The Best Dentists in America, 2004 and 2012
- Elected to the Omicron Kappa Upsilon National Dental Honor Society, Mu Mu Chapter, 2007
- Dean's Teaching Excellence Award, UTHealth School of Dentistry at Houston, 2006
- Fleming and Davenport Research Grant Award from Texas Medical Center Advisory Council, Houston, Texas, 2006

## **PROFESIONAL STATEMENT**

Dr. Nadarajah "Viggie" Vigneswaran is an oral and maxillofacial pathologist with more than 20 years of experience in clinical and surgical oral pathology. He practices clinical oral pathology at UT Dentists, the multidisciplinary faculty practice of UTHealth School of Dentistry. His clinical practice involves the diagnosis and management of patients with oral mucocutaneous diseases, burning mouth syndrome, xerostomia, oral cancer and precancer. He directs the Oral and Maxillofacial Pathology Laboratory at UTHealth School of Dentistry. This laboratory receives approximately 5,000 cases per year and is one of the largest biopsy services for the dental profession in this country. He participates in both clinical and laboratory-based research related to oral cancer and its precursors.

Dr. Vigneswaran's clinical research focuses on evaluating non-invasive diagnostic devices for early diagnosis of oral cancer and its precursor lesions. His basic research involves the development of experimental animal models for preclinical testing of molecular-targeted diagnostic imaging and therapy. He has had more than 100 peer-reviewed scientific publications in high-impact journals and 9 chapters in medical textbooks. He has been an invited presenter for national and international research conference and has received more than \$ 9.0 million in grant funding from federal (NIH), state (CPRIT) and local (UTHealth CTSA Consortium) sources as a principal investigator and/or co-investigator.

## **CLINICAL INTEREST**

- Surgical oral and maxillofacial pathology
- Clinical oral pathology/oral medicine: Diagnosis and management of oral mucocutaneous diseases, burning mouth syndrome, xerostomia, oral cancer and precancer

## **RESEARCH INTEREST**

- Minimally invasive optical and cytology on a chip-based diagnostic devices for early detection of oral cancer
- Screening of oral potentially malignant lesions in patients with Fanconi anemia
- Preclinical testing of molecular-targeted diagnostic imaging and therapy in transgenic mice models for tongue cancer
- Role of tumor-associated proteinases and their inducers and inhibitors in oral cancer progression and maintenance of cancer stem cells niche.
- Development of aptamer-tagged nanoparticles for oral cancer stem cells targeted drug delivery

## **MEMBERSHIP**

American Association for Cancer Research  
American Academy of Oral and Maxillofacial  
Pathology American Dental Education  
Association  
American Dental  
Association Texas Dental  
Association Greater  
Houston Dental Society  
AADR-Houston Chapter  
Eastern Society of Teachers for Oral Pathology  
University of Alabama School of Dentistry Alumni  
Association Emory University School of Medicine  
Alumni Association

## **Grant Reviewer:**

- Philip Morris External Research Program
- NIDCR-K awards
- Fanconi Anemia Research Fund
- University Illinois Cancer Center Pilot Grant: External Reviewer
- NCI Clinical & Translational R21 & Omnibus R03: Review Committee
- NCI SBIR Contract proposals

## **Editorial Board:**

Journal of Oral Oncology  
Journal of Oral Biology  
Oral Surgery Oral Medicine Oral Pathology Oral Radiology

## **Inventions and Patents:**

**US Patent No: 9,535,068** entitled “**ORAL CANCER POINT OF CARE DIAGNOSTICS**”

## **Book Chapters:**

1. **Vigneswaran, N.,** Muller, S. Pharmacologic treatment of common oral mucosal inflammatory and ulcerative diseases. Chapter 9; In: Contemporary Dental

Pharmacology: Evidence-Based Considerations, 1<sup>st</sup> Edition; Arthur H. Jeske (eds); Springer 2018 (in press)

2. Reibel, J., Gale, N., Hille, J., Hunt, J.L., Lingen, M., Muller, S., Sloan, P., Tilakaratne, W.M., Westra, W.H., Williams, M.D., **Vigneswaran, N**, Fatani, H.A., Odell, E.W., Zain, R.B. **Oral Potentially malignant disorders and oral epithelial dysplasia**, In: World Health Organization Classification of Tumors: Head and Neck Tumors, 4<sup>th</sup> Edition; El-Naggar, AK, Chan, JKC, Grandis, JR, Takata, T, Slootweg, PJ (eds); IARC Press, Lyon, 2017; Chapter 4; pp: 112-115
3. **Vigneswaran, N**, Lippman, S., Muller, S., Williams, M. Chapter 4.4A: **Condyloma acuminatum**. In: World Health Organization Classification of Tumors: Head and Neck Tumors, 4<sup>th</sup> Edition; El-Naggar, AK, Chan, JKC, Grandis, JR, Takata, T, Slootweg, PJ (eds); IARC Press, Lyon, 2017; Chapter 4; pp: 116-117.
4. **Vigneswaran, N**, Carlos, R., Lippman, S., Mosqueda-Taylor, A., Muller, S., Williams, M. **Multifocal epithelial hyperplasia**, In: World Health Organization Classification of Tumors: Head and Neck Tumors, 4<sup>th</sup> Edition; El-Naggar, AK, Chan, JKC, Grandis, JR, Takata, T, Slootweg, PJ (eds); IARC Press, Lyon, 2017; Chapter 4; pp: 117-118.
5. **Vigneswaran, N** & El-Nagar, AK. Early detection and diagnosis of oral pre-malignant squamous mucosal lesions. In: Biomedical Photonics in Otorhinolaryngology, Head and Neck Surgery; Brian Wong and Justus Ilgner (eds); Springer 2016; pp 601-617 [https://link.springer.com/chapter/10.1007/978-1-4939-1758-7\\_37](https://link.springer.com/chapter/10.1007/978-1-4939-1758-7_37)
6. Gillenwater, AM, **Vigneswaran, N**. "Benign and pre-malignant oral lesions" Chapter 33; The Sataloff's Comprehensive Textbook of Otolaryngology: M Benninger ed. Jaypee Medical Publishers; 2015
7. **Vigneswaran N**, Rodu B. Oral Ulcers, Chapter 6. In: VASCULITIS-2nd Edition; Ball GV and Bridiges SL. (eds.). OXFORD UNIVERSITY PRESS 2006
8. **Vigneswaran N**, Rodu B. Oral Ulcers, Chapter 6. In: VASCULITIS; Ball GV and Bridiges SL. (eds.). OXFORD UNIVERSITY PRESS 2002, pp: 63-79
9. Ebbinghaus SW, **Vigneswaran N**, Mayfield C, Curiel DT, Miller DM. Oligonucleotide uptake and delivery in tissue culture cells, Chapter 9. In: TRIPLE HELIX FORMING OLIGONUCLEOTIDES; Malvy C. Harel Bellan A, Pritchard LL (eds). KLUWER ACADEMIC PUBLISHERS, pp117-127; 1999.

#### **PUBLICATIONS:**

1. Abram TA, Floriano PF, James R, Kerr R, Thornhill MH, Redding SW, **Vigneswaran N**, Raja, R, McRae, MP & McDevitt JT. Development of a Cytology-based MARIO: Multivariate Analytical Risk Index for Oral Cancer. Oral Oncology, 2018 (under review)
2. Cherry, K., Schwarz, R. A., Yang, E., Badaoui, H., Williams, M.D., **Vigneswaran, N**, Gillenwater, A.M. and Richards-Kortum, . "Noninvasive autofluorescence imaging for tracking and monitoring the progression of oral premalignant lesions," in Biophotonics Congress: Biophotonics Congress: Biomedical Optics Congress 2018 (Microscopy/Translational/Brain/OTS) OSA Technical Digest (Optical Society of

- America, 2018), paper CTu2B.4  
<https://doi.org/10.1364/TRANSLATIONAL.2018.CTu2B.4>
3. Smith M, **Vigneswaran N**, Hsu S, Bell D, Clark AN. Clinical pathologic conference case 5: bilateral erosive lesions in a 49-year-old female. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2018; 126(1):e12-17.
  4. Yang, E., Schwarz, R., Lang, A., Bass, N., Badaoui, H., Vohra, I. Cherry, K., Williams, M., Gillenwater, A., **Vigneswaran, N.** and R. Richards-Kortum. In Vivo Multimodal Optical Imaging: Improved Detection of Oral Dysplasia in Low-Risk Oral Mucosal Lesions. *Cancer Prevention Research*; Published OnlineFirst June 14, 2018 doi: 10.1158/1940-6207.CAPR-18-0032
  5. Abram, T., Pickering, C., Lang, A., Bass, N., Raja, R., Meena, C., Alousi, A., Myers, J., McDevitt, J., Gillenwater, A., **Vigneswaran, N.** Risk stratification of oral potentially malignant disorders in Fanconi anemia patients using autofluorescence imaging and cytology-on-a chip assay. *Translational Oncology*, 2018 Apr;11(2):477-486; **PMID: 29481998**
  6. Flood, K., Stroud, C., Lazarov, Z., **Vigneswaran, N.**, Hsu, S. Paraneoplastic pemphigus without antibodies to desmoglein 1 and 3. *Dermatol Online J*. 2018 Feb 15; 24(2); **PMID: 29630151**
  7. Yang, E.C., Tan, M.T., Schwarz, R.A., Richards-Kortum, R.R., Gillenwater, A.M., **Vigneswaran, N.** Noninvasive diagnostic adjuncts for the evaluation of potentially premalignant oral epithelial lesions: current limitations and future directions. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2018 June; 125 (6): 670-681; **PMID: 29631985** DOI: 10.1016/j.oooo.2018.02.020
  8. Lang, A., Aarup, SD., Alousi, AA and **Vigneswaran, N.** "Oral and maxillofacial pathology case of the month: Oral Chronic Graft-Versus-Host Disease (cGVHD). *Texas Dental Journal* 2018;135 (3); 174-223
  9. Ogbureke, El., Couey, MA., **Vigneswaran, N.**, Johnson, CD. Large Draining Focal Fibrous Hyperplasia Secondary to Periapical Granuloma. *Case Reports in Dentistry*; 2018, Article ID 4850901, 4 pages <https://doi.org/10.1155/2018/4850901>
  10. Quang T, Tran E, Schwarz RA, Williams M, **Vigneswaran N**, Gillenwater A, and Richards-Kortum R. Prospective Evaluation of Multi-modal Optical Imaging with Automated Image Analysis to Detect Oral Neoplasia In Vivo. *Cancer Prevention Research* 2017 Oct;10(10):563-570; **PMID: 28765195**
  11. Lang, A., Seidel, SL., Alousi and **Vigneswaran, N.** "Oral and maxillofacial pathology case of the month: Epstein-Barr-Virus (EBV)-positive mucocutaneous ulcers. *Texas Dental Journal* 2017; 134 (2); 90-123
  12. Mu Q, Annapragada A, Srivastava M, Xin L, Wu J, Thiviyathan V, Wang H, Williams A, Gorenstein D, Annapragada A, **Vigneswaran N.** Conjugate-SELEX: A High-throughput Screening of Thioaptamer-liposomal Nanoparticle Conjugates for Targeted Intracellular Delivery of Anticancer Drugs. *Molecular Therapy - Nucleic Acids-Nature*; 2016; 5: e382; **PMID: 27802264**
  13. Montufar-Solis D., Williams, A., **Vigneswaran, N.** Klein, J. Involvement of Ly6C, 4-1BB, and KLRG1 in the activation of lamina propria lymphocytes in the small intestine of sanroque mice (2016). *Biochemical and Biophysical Research Communications*; In press; <http://dx.doi.org/10.1016/j.bbrc.2016.12.099>
  14. Abram TA, Floriano PN, Christodoulides N, James R, Kerr R, Thornhill MH, Redding SW, **Vigneswaran N**, Speight P, Vick J, Murdoch C, Freeman C, Hegarty AM, D'Apice K, Phelan JA, Corby P, Khouly I, Bouquot J, Demian NM, Weinstock YE, Rowan S, Yeh C, McGuff HS, Miller, F, Gaur S, Karthikeyan K, Taylor L, Le C, Nguyen M, Talavera H, Raja R, Wonga J, McDevitt JT. Cytology-on-a-chip' based sensors for monitoring of

- potentially malignant oral lesions (2016). *Oral Oncology* 60:103–111; **PMID: 27531880**
15. William WN Jr, [Papadimitrakopoulou V](#), [Lee JJ](#), [Mao L](#), [Cohen EE](#), [Lin HY](#), [Gillenwater AM](#), [Martin JW](#), [Lingen MW](#), [Boyle JO](#), [Shin DM](#), [Vigneswaran N](#), [Shinn N](#), [Heymach IV](#), [Wistuba II](#), [Tang X](#), [Kim ES](#), [Saintigny P](#), [Blair EA](#), [Meiller T](#), [Gutkind JS](#), [Myers J](#), [El-Naggar A](#), [Lippman SM](#). Erlotinib and the Risk of Oral Cancer: The Erlotinib Prevention of Oral Cancer (EPOC) Randomized Clinical Trial (2016). *JAMA Oncol.* 2(2):209-16; **PMID: 26540028**
  16. Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, et al. [Guidelines for the use and interpretation of assays for monitoring autophagy \(2016\)](#). *Autophagy.* 12(1):1-222. doi: 10.1080/15548627.2015.1100356. **PMID: 26799652**
  17. Speight, P. M., Abram, T. J., Floriano, P. N., James, R., Vick, J., Thornhill, M. H., Murdoch, C., Freeman, C., Hegarty, A. M., D'Apice, K., Kerr, A. R., Phelan, J., Corby, P., Khouly, I., **Vigneswaran, N.**, Bouquot, J. Demian, N. M., Weinstock, Y. E., Redding, S. W., Rowan, S., Yeh, C. K., McGuff, H. S., Miller, F. R. McDevitt, J. T. (2015). Interobserver agreement in dysplasia grading: toward an enhanced gold standard for clinical pathology trials. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology*; 120: 474-82. **PMID: 26216170**
  18. Ishijima, A., Schwarz, R. A. Shin, D., Mondrik, S., **Vigneswaran, N.**, Gillenwater, A. M., Anandasabapathy, S., Richards-Kortum, R. (2015) Automated frame selection process for high-resolution microendoscopy. *J Biomed Opt*, 2015; 20: 46014. **PMID: 25919426**
  19. Floriano, P., Abram, T., Taylor, L., Le, C., Talavera, T., Nguyen, M., Raja, R., Gillenwater, A., McDevitt, J., **Vigneswaran, N.** (2015). Programmable Bio-Nano-Chip based Cytologic Testing of Oral Potentially Malignant Disorders in Fanconi Anemia. *Oral Diseases*, 21; 593-601. **PMID: 25662766; Selected as Best original article of the year by the Journal "Oral Diseases"**.
  20. Yu, Y., Morales, J., Feng, L., Lee, JJ. El-Naggar, AK., **Vigneswaran, N.** (2015). CD147 and Ki-67 overexpression confers poor prognosis in squamous cell carcinoma of oral tongue: A tissue microarray study. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology*, 119; 553-565. **PMID: 25747176; Article was featured in the cover page of the journal; Won the 2015 best paper award from the Journal.**
  21. Rowan SD, Hu SL, Brotzman JS, Redding SW, Rankin KV, **Vigneswaran N** (2015) Knowledge Assessment of the Dental Community in Texas on the Role of Human Papilloma Virus in Oropharyngeal Cancer. *Tex Dent J.* 132(8): 528-36. **PMID: 26489292.**
  22. Ogbureke, E., **Vigneswaran, N.**, Seals, M., Frey, G., Johnson, C.D., Ogbureke, K (2015). A peripheral giant cell granuloma with extensive osseous metaplasia or a hybrid peripheral giant cell granuloma-peripheral ossifying fibroma: a case report. *Journal of Medical Case Reports*, 9:14. **PMID: 25649957**
  23. Jahan-Tigh, R. R., Kash, N., Efron-Everett, M. **Vigneswaran, N.** (2014). Primary mucocutaneous histoplasmosis in an immunocompetent patient; *Dermatol Online J.* Dec 14;21(3). **PMID: 25780970**
  24. Tackett, B., Sun, H., Mei, Y., Maynard, J., Cheruvu, S., Mani, A., Hernandez-Garcia, A., **Vigneswaran, N.**, Karpen, S., Thevananther, S (2014). P2Y2 purinergic receptor activation is essential for efficient hepatocyte proliferation in response to partial hepatectomy. *American Journal of Physiology - Gastrointestinal and Liver Physiology*, 2014 307 (11); G1073-G1087. **PMID: 25301185**

25. Bachoura, A and **Vigneswaran, N. (2014)**. "Oral and maxillofacial pathology case of the month: Squamous cell carcinoma of the tongue in a patient with Fanconi Anemia. *Texas Dental Journal* 131 (11); 1008-1010
26. Wu, J., Mu, Q., Thiviyanathan, V, Annapragada, A, **Vigneswaran, N. (2014)**. Cancer stem cells are enriched in Fanconi Anemia Head and Neck Squamous Cell Carcinomas. *International Journal of Oncology* 45; 2365-2372. **PMID: 25340704**
27. Montufar-Solis, D., **Vigneswaran, N.**, Nakra, N., Schaefer, J.S. and Klein, J.R. (2014). "Hematopoietic not systemic impairment of Roquin expression accounts for intestinal inflammation in Roquin-deficient mice." *Sci Rep* 4: 4920. **PMID: 24815331**
28. Vigneswaran, N. and M. D. Williams (2014). "Epidemiologic trends in head and neck cancer and aids in diagnosis." *Oral Maxillofac Surg Clin North Am* 26(2): 123-141. **PMID: 24794262**
29. Hellebust A, Rosbach K, Wu JK, Nguyen J, Gillenwater A, **Vigneswaran N** and Richards-Kortum R (2014). Vital-dye-enhanced multimodal imaging of neoplastic progression in a mouse model of oral carcinogenesis. *J Biomed Opt.* 2013 Dec; 18(12): 126017. **PMID: 24362926**
30. Gillenwater AM, **Vigneswaran N**, Fatani H, Saintigny P, El-Naggar AK (2014). Proliferative verrucous leukoplakia (PVL): Recognition and differentiation from conventional leukoplakia and mimics! *Head Neck* 36 (11): 1662-1668. **PMID: 241151**
31. Gillenwater AM, **Vigneswaran N**, Fatani H, Saintigny P, El-Naggar AK (2013). Proliferative Verrucous Leukoplakia (PVL): A Review of an Elusive Pathologic Entity. *Adv Anat Pathol.* 20(6): 416-23. **PMID: 24113312**
32. Raja R and Vigneswaran N (2013). Oral and maxillofacial pathology case of the month; Erythema migrans (ectopic migratory glossitis/ectopic geographic tongue). *Tex Dent J.* 130: 704-705. **PMID: 24236384**
33. Schaefer, J.S., Montufar-Solis, D., **Vigneswaran, N.**, Klein, J. R (2013). "Small Intestine Inflammation in Roquin-Mutant and Roquin-Deficient Mice", *PLoS ONE* 8(2):e56436. **PMID: 23451046**
34. Song, A., Wu, J., Whitaker, E. and **Vigneswaran, N** (2012). Gemcitabine inhibits murine head and neck squamous cell carcinoma growth via proteasome-dependent degradation of Chk1 leading to cell cycle arrest and apoptosis. *Journal of Cancer Therapy* 3: 562-574.
35. Lou, B., Engler, D., Dubinsky, W., Wu, J. and **Vigneswaran, N** (2012). Acquiring Metastatic Competence by Oral squamous cell carcinoma cells is associated with differential expression of  $\alpha$ -tubulin Isoforms. *Journal of Oncology*, 2012; 491685. **PMID: 22719762** "Selected for Citation in "Global Medical Discovery"
36. Yu YH, Shere Y., **Vigneswaran N** (2012). Oral and maxillofacial pathology case of the month. Palatal melanosis associated with imatinib mesylate therapy. *Tex Dent J* 129: 786-788. **PMID: 22988661**
37. Korraah, A., Odenthai, M., Kopp, M., **Vigneswaran, N.**, Sacks, P.G., Dienes, H.P., Stützer, H., and Niedermeier, W (2012). Induction of apoptosis and up-regulation of cellular proliferation in oral leukoplakia cell lines inside electric field. *Oral Surg Oral Med Oral Path Oral Radiol* 113 (5): 644-654. **PMID: 22668623**
38. Schaefer J., Montufar-Solis D., **Vigneswaran N.**, and Klein J (2011). Selective upregulation of microRNA Expression in Peripheral Blood Leukocytes in IL-10<sup>-/-</sup> Mice Precedes Expression in the Colon. *Journal of Immunology* 187 (11): 5834-5841. **PMID: 22043014**
39. **Vigneswaran N.**, Wu J., Song A., Annapragada A., Zacharias W (2011). Hypoxia-induced autophagic response is associated with aggressive phenotype and elevated incidence of metastasis in orthotopic immunocompetent murine models of head and

- neck squamous cell carcinomas (HNSCC). **Exp Mol Pathol.** 90:215-225. **PMID: 21236253**
40. McDevitt, J., Weigum, SE, Floriano, PN, Christodoulides, N., Redding, SW., Yeh, C., McGuff, S., **Vigneswaran, N.**, Thornhill, M., Williams, MD (2011). A new bio-nanochip sensor aids oral cancer detection. **SPIE.** 003547. **PMCID: PMC3148937**
  41. **Vigneswaran, N (2011).** Autofluorescence guided diagnostic evaluation of suspicious oral mucosal lesions: opportunities, limitations, and pitfalls. **Proc. SPIE;** 7883, 78832I, DOI: 10.1117/12.887756
  42. **Vigneswaran N.,** Demian, N (2011). Oral and maxillofacial pathology. Case of the month. Van der Woude syndrome (VWS). **Tex Dent J,** 128: 772-773. **PMID: 21957792**
  43. Weigum, S.E, Floriano, P.N, Redding, S.W, Yeh C.K , Stephen D., Westbrook, S.D, McGuff, H. S, Lin, A, Miller, F.R, Villarreal, F Stephanie D., Rowan, S.D, **Vigneswaran, N,** Williams, M.D, McDevitt J.T (2010). Nano-bio-chip sensor platform for examination of oral exfoliative cytology. **Cancer Prevention Research** 3(4): 518-28. **PMID: 20332305**
  44. Nash, J.W., Hessel, A., **Vigneswaran, N.**, and El-Naggar (2010). Collagenous Myofibroblastic Tumor of the Mandible: Case Report of a Unique Locally Aggressive Neoplasm. **Head and Neck Pathology** 4: 44-8. **PMID: 20237988**
  45. Montufar-Solis, D., Garza, T., **Vigneswaran, N.**, Klein, J (2010). Soluble gp130 promotes intestinal hyperplasia during reovirus Infection. **International Journal of Experimental Pathology** 91: 276-80. **PMID: 20353422**
  46. Demian, N., Harris, R.J., Abramovitch, K., Wilson, J., W., **Vigneswaran, N (2010).** Malignant Transformation of Calcifying Epithelial Odontogenic Tumor is Associated with the Loss of p53 Transcriptional Activity: A Case Report with Review of the Literature. **Journal of Oral and Maxillofacial Surgery** 68(8): 1964-73. **PMID: 20542620**
  47. Shin, D., **Vigneswaran, N.**, Gillenwater, A., Richards-Kortum, R (2010). Advances in fluorescence imaging techniques to detect oral cancer and its precursors. **Future Oncology** 2010; 6(7): 1143-54. **PMID: 20624126**
  48. Schaefer JS, D Montufar-Solis, **Vigneswaran, N.** and Klein JR (2010). ICOS promotes IL-17 synthesis in colonic intraepithelial lymphocytes in IL-10-/- mice. **J Leukocyte Biology** 87: 301-8. **PMID: 19889730**
  49. Bouquot, J., Suarez, P., **Vigneswaran, N (2010).** Oral Precancer and Early Cancer Detection in the Dental Office- Review of New Technologies. **The Journal of Implant and Advanced Clinical Dentistry;** 2: 47-63
  50. Parthasarathy K, Wu J, **Vigneswaran N (2010).** "Oral and maxillofacial pathology case of the month. Neurosarcoidosis", **Tex Dent J,** 127(8), 786-789. **PMID: 20945737**
  51. **Vigneswaran N.,** Koh S., Gillenwater A (2009). Incidental detection of an occult oral malignancy with autofluorescence imaging: a case report. **Head and Neck Oncology** 1:37. **PMID: 19863814**
  52. Wiggins RL, Thurber D, Abramovitch K, Bouquot J, and **Vigneswaran, N (2008).** Myositis ossificans circumscripta of the buccinator muscle: First report of a rare complication of mandibular third molar extraction. **Journal of Oral and Maxillofacial Surgery** 66: 1959-1963. **PMCID: PMC2548317**
  53. **Vigneswaran N,** Baucum D, Wu J, Lou Y, Bouquot J, Muller S and Zacharias W (2007). Repression of Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand (TRAIL) but not its receptors during oral cancer progression. **BMC Cancer** 7: 108. **PMID: 17592646**



54. Nagaraj, N., **Vigneswaran, N.**, Zacharias, W (2007). Hypoxia inhibits TRAIL-induced tumor cell apoptosis: involvement of lysosomal cathepsins. **Apoptosis** 12: 125-139. **PMID: 17136492**
55. **Vigneswaran N**, Morreti, AJ and Braden WF (2007). Oral and maxillofacial pathology case of the month. Foreign body gingivitis. **Tex Dent J**, 124(5): 530-1, 536-8. **PMID: 17555025**
56. Nagaraj, N., Beckers, S, Mensah, J.K., Waigel, S., **Vigneswaran, N.**, Zacharias, W (2006). Cigarette smoke condensate induces cytochromes P450 and aldo-keto reductases in oral cancer cells. **Toxicology Letters** 165: 182-194. **PMID: 16713138**
57. **Vigneswaran, N**, Beckers, S, Waigel, S, Mensah, J, Wu, J, Mo, J, Fleisher, K, Bouquot, J, Sacks, P and Zacharias, W (2006). Increased EMMPRIN (CD 147) Expression during Oral Carcinogenesis. **Experimental and Molecular Pathology** 80: 147-159. **PMID: 16310185**
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#### **Invited Articles and Reviews in Journals:**

1. **Vigneswaran N**, Budnick SD: Critical commentary to the case "Central Mucoepidermoid Carcinoma" (Invited review). *Path Res Pract* 188:368-369, 1993

#### **C. Letters to the Editor:**

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