

CURRICULUM VITAE

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EDUCATION AND TRAINING

- 1999 – 2000 *Postdoctoral Fellow, Molecular Pathology*
University of Texas Southwestern Medical Center at Dallas, TX
Mentor: Errol Friedberg, M.D.
- 1994 – 1998 *Doctor of Philosophy in Molecular Pathology and Oncobiology*
Faculty of Medicine, New University of Lisbon, Portugal & University of Texas
Southwestern Medical Center at Dallas, TX
Mentors: Jorge Soares, M.D., Leonor Parreira, M.D., Ph.D., and Michael Lovett,
Ph.D.
- 1992 – 1994 *Master of Science in Oncobiology*
Faculty of Medicine, University of Porto, Porto, Portugal
Mentors: Manuel Sobrinho-Simoes, M.D., Ph.D. and Sergio Castedo, M.D., Ph.D.
- 1991 – 1992 *Specialty Residency, Surgical Pathology*
Portuguese Institute of Oncology, Lisbon, Portugal
Mentor: Jorge Soares, M.D.
- 1989 – 1991 *General Medical Residency (GPA within national top 2%)*
Hospital de Santa Maria, Faculty of Medicine, University of Lisbon, Lisbon, Portugal
- 1983 – 1989 *Doctor of Medicine – Summa Cum Laude*
Faculty of Medicine, University of Lisbon, Lisbon, Portugal

PROFESSIONAL EXPERIENCE

Academic

- 2012 – present Associate Professor, Department of Otorhinolaryngology, Pediatrics, and Cell
Biology, University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2011 – present Full Member of the Graduate Faculty in Cell Biology and Genetic Counseling,
University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2010 – present Principal Investigator (WOC), Oklahoma City Veterans Affairs (VA) Medical
Center, Oklahoma City, OK
- 2010 – 2014 Consultant under the NIH/NIDCR contract HHSN260200900039C for the National
Salivary Gland Tumor and Cell Line Biorepository (PI: El-Naggar), housed at
University of Texas MD Anderson Cancer Center, Houston, TX.
- 2009 – present Director of Basic and Translational Research, Department of Otorhinolaryngology,
University of Oklahoma Health Sciences Center, Oklahoma City, OK

- 2004 – present Member (Associate Member since 2011), The Peggy and Charles Stephenson Oklahoma Cancer Center, University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2011 – 2012 Assistant Professor, Department of Pediatrics, University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2007 – 2012 Assistant Professor, Department of Cell Biology, University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2002 – 2012 Assistant Professor, Department of Otorhinolaryngology, University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2000 – 2002 Instructor, Junior Faculty position in Molecular Pathology, Department of Pathology, University of Texas Southwestern Medical Center at Dallas, TX
- 1999 – 2000 Postdoctoral Fellow, Laboratory of Molecular Pathology, Department of Pathology, University of Texas Southwestern Medical Center at Dallas, TX
- 1996 – 1998 Visiting Scientist, Departments of Otorhinolaryngology, Molecular Biology and Oncology and McDermott Center for Human Growth and Development, University of Texas Southwestern Medical Center at Dallas, TX
- 1994 – 1996 Group Leader, Molecular Pathology, Research Center for Molecular Pathobiology, Department of Surgical Pathology, Portuguese Institute of Oncology F.G., Lisbon, Portugal
- 1992 – 1994 Junior Scientist, Department of Surgical Pathology, Faculty of Medicine, University of Porto, Porto, Portugal
- 1991 – 1992 Surgical Pathology Resident, Department of Surgical Pathology, Portuguese Institute of Oncology F.G., Lisbon, Portugal
- 1989 – 1991 General Medical Resident, Hospital de Santa Maria, Faculty of Medicine, University of Lisbon, Lisbon, Portugal
- 1983 – 1989 Math tutor for Medical Students, Faculty of Medicine, University of Lisbon, Lisbon, Portugal
- 1982 – 1983 Chemistry Teacher (High School), Escola Secundaria de Monte Agraco, Alenquer, Portugal

Administrative

- 2003 – present Director, Head and Neck Tissue Bank
Department of Otorhinolaryngology, University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2000 – 2002 Manager, DNA Sequencing Facility
Department of Pathology, University of Texas Southwestern Medical Center at Dallas, TX
- 1994 – 1996 Supervisor, Tumor Tissue Bank
Department of Surgical Pathology, Portuguese Institute of Oncology F.G., Lisbon, Portugal

LICENSES

1989 – present Portuguese Medical License for Practicing Medicine in E.U. Countries
Status: Active, unrestricted

SCHOLARLY, PROFESSIONAL AND SCIENTIFIC MEMBERSHIPS

2016 – present Society of Toxicology
1996 – present American Association for Cancer Research
1989 – present Portuguese Association “Ordem dos Medicos”

SCHOLARSHIP

Research Funding

ACTIVE RESEARCH SUPPORT

Oklahoma Tobacco Research Center (OTRC), Queimado (PI) 7/01/2016-6/30/2017
Studying cancer risk and therapy resistance associated with electronic cigarette use
The goals of this project are to assess the potential role of electronic cigarette aerosol in cancer initiation and therapy resistance. \$55,000 (Y1) 15%FTE

1 R33 CA202898-01, NIH/NCI Queimado (PI) 4/01/2016/-4/30/2019
A novel molecular assay for early detection and assessment of cancer risk.
The major goals of this project are: (1) to advance the development and standardization of q-PADDA for high-throughput DNA damage quantification in human samples; (2) to validate q-PADDA for DNA damage quantification and cancer risk assessment in populations with relevant mutagen exposure; and (3) to validate q-PADDA as a screening tool for the early detection of head and neck cancer. \$300,000 (Y1) 35%FTE

1 R01 CA196200-01A1, NIH/NCI Benbrook (PI); Queimado (Co-I, 2% FTE) 0.24 Cal Months
Title: Ovarian Cancer Chemoprevention 07/01/2015/-06/30/2020

The goals of this project are to conduct a Phase 0 Clinical Trial of SHetA2 to determine the minimal dose needed to achieve micromolar blood and Fallopian tube tissue drug levels, to test the chemoprevention activity of SHetA2 in a mouse model of Fallopian tube tumorigenesis, and to study the mortalin interactome in the development of SHetA2 sensitivity during Fallopian tube tumorigenesis and as pharmacodynamic candidates for future chemoprevention clinical trials.

092-016-0002, McCaffree, Donald R. (PI); Queimado (TSET scholar) 1.2 Cal Months
Oklahoma Tobacco Settlement Endowment Trust (“TSET”) 07/01/2015-06/30/2016
Oklahoma Tobacco Research Center

The purpose of this agreement is to develop a nationally prominent tobacco research center in Oklahoma, consisting of research programs, statewide institutional collaborations, cessation services and supporting infrastructure that enhances the likelihood of successfully competing for significant extramural funds.

Presbyterian Health Foundation Chair in Otorhinolaryngology 1.2 Cal Months
EC2221800 Endowed chair November 2002-present

The purpose of this endowment is to foster head and neck cancer research by developing research resources within the Otorhinolaryngology department and providing research training for Otorhinolaryngology residents and fellows.

COMPLETED RESEARCH SUPPORT

- **Quantification and mapping of DNA damage induced by e-cigarette components**
Oklahoma Tobacco Research Center, C1081207, \$120,000 Queimado (PI), 15% FTE
10/01/2013-06/30/2015
- **Targeting the Cancer Stem Cells in Oral Cancer**
College of Medicine Alumni Association (COMMA), Seed Grant [C5071601]
\$30,000 Ramachandran (PI) (50% effort) Queimado (Collaborator & Mentor) (10% effort)
07/01/2013-06/30/2014
- **A Novel Assay to Predict Susceptibility To Tobacco-Induced Disease In Diverse Populations**
Oklahoma Tobacco Research Center, C1063706, \$75,000 Queimado (PI)
07/01/2012-06/30/2014
- **Predicting Oral Cancer Risk and Treatment Efficacy**
Oklahoma Center for the Advancement of Science and Technology (OCAST)
PO# HR11-102, \$120,000 Queimado (PI)
12/01/2011-11/31/2014
- **National Salivary Gland Tumor and Cell Line Biorepository**
NIH/NIDCR, Contract HHSN260200900039C, El-Naggar (PI)
1/01/2010-12/31/2014, Site: The central biorepository is housed at The University of Texas MD
Anderson Cancer Center, Houston, TX
Role: Consultant

Specific duties: (a) To provide expertise in relation to establishment of the salivary gland tumor and cell line biorepository; (b) To provide expertise on cell line immortalization, stability and biological characterization; (c) To participate in conference calls and site visits.
- **Role of HPV and Wnt Pathway Activation in Oropharyngeal Cancer Prognosis**
OU Department of Otorhinolaryngology Resident Research Fund, **Queimado (PI)**
6/01/2010-7/31/2012
- **Bioengineered Trachea Implant Development**
OU Department of Otorhinolaryngology Resident Research Fund, **Queimado (PI)**
4/01/2010-12/31/2011
- **Establishment of Adenoid Cystic Carcinoma Stem Cell Lines: Role of c-MYB and Wnt Pathway in Cell Line Maintenance**
Adenoid Cystic Carcinoma Research Foundation, **Queimado (PI)**
01/01/2011-06/31/2012
- **Identifying High Susceptibility to Tobacco Carcinogens and Early Biomarkers of Tobacco-Induced Cancer**
Oklahoma Tobacco Research Center, **Queimado (PI)**
07/01/2010-06/31/2011, no cost extension to 12/31/11
- **From Basic Science to Clinical Application: A Novel DNA Damage Detection Assay to Predict Cancer Risk and Treatment Efficacy**
University of Oklahoma Vice-President of Research Seed Grant, Queimado (PI)
04/01/2011-03/31/2012
- **Targeting the Wnt Pathway in Head and Neck Cancer**

Oklahoma Center for the Advancement of Science and Technology (OCAST)
PO# HR08-018, Queimado (PI)
08/01/2008-7/31/2011

- **Round Window Application of Hyaluronic Acid/Dexamethasone Gel in Guinea Pigs**
OU Department of Otorhinolaryngology Resident Research Fund
Queimado & Saunders (Co-PIs)
2007-2009
- Oklahoma IDeA Network of Biomedical Research Excellence (INBRE)
National Institutes of Health, 2 P20 RR016478-04, Frank Waxman (PI)
2004-2009
Subproject: The Role of MMS19 in DNA Repair and Transcription, Queimado (PI)
Renewed in 2007 (initially funded in 2004); 2007-2009
- **Studies of cancer risk and prevention with a novel DNA damage-detection technique** National
Institutes of Health/National Cancer Institute 1R03CA117316-01A1, Reis (PI)
2006-2008; **Queimado** (Collaborator)
- **Mapping and Characterizing the Wnt Pathway in Palate Salivary Glands**
OU Department of Otorhinolaryngology Resident Research Fund, Queimado (PI)
2007-2008
- **Role of the Wnt Pathway in Oropharyngeal and Hypopharyngeal Cancer**
American Academy of Otolaryngology Head and Neck Surgery (AAO-HNS) Resident Research
Grant, Ryan Raju (PI)
2007-2008, **Queimado** (Mentor and Co-Investigator)
- Oral Research Advancing the Life Sciences (ORALS)
National Institutes of Health/National Center for Research Resources
1 P20 RR018741, Joseph Ferretti (PI)
2003-2008
**Subproject: The Wnt Pathway Regulates Craniofacial Morphogenesis and Salivary Gland
Cancer**
2005-2006, **Queimado** (Pilot Project Investigator)
Subproject: The Wnt pathway Links Craniofacial Development and Oral Cancer
2004-2005, **Queimado** (Pilot Project Investigator)
- **Molecular Characterization of Salivary Gland Tumors: Emphasis at Chromosomes 6 and 8**
Junta Nacional de Investigação Científica e Tecnológica" (JNICT)
PECS/C/SAU/245/95; **Queimado** (PI)

Teaching Materials Developed

- 2009 – present **Curriculum development.** As the Director of Basic and Translational Research in the Otorhinolaryngology department, I work with other faculty to define overall goals and strategies to assure the success of the Otorhinolaryngology Residency and Fellowship Research Programs.
- 2003 – present **Power point presentations and compilation of relevant manuscripts.** This was provided for every single lecture given within graduate programs.
- 2003 – 2014 **Curriculum implementation.** Approximately twice a year, I developed teaching materials tailored to the specific basic, translational, or clinical research area being

pursued by a given resident or fellow. These include all the supporting materials for the Residency and Fellowship Research Workshops.

Scholarly Activities, Creative Achievements and Honors

PATENTS

- 2005 Invention disclosure No. 05HSC042 submitted through OUHSC; A single primer-extension based assay for the detection of DNA damage.
- 2011 Invention Disclosure No. 11HSC065 submitted through OUHSC; A Novel DNA Damage Detection Assay
- 2011 U.S. Provisional Patent Application 61/514,704: A Novel DNA Damage Detection Assay
- 2012 A Novel DNA Damage Detection Assay
U.S. Patent Application 61/514,704:

ESTABLISHMENT OF A HEAD AND NECK TISSUE BANK

In 2003, I established the first Head and Neck Tissue Bank at OUHSC. Containing over 400 annotated matched normal and tumor tissue samples, the Otorhinolaryngology Tissue Bank was a key player for the selection of the Head and Neck Clinic, by the OU Cancer Institute, as a model to establish the first patient-centered, comprehensive cancer program at OU.

ESTABLISHMENT OF SALIVARY GLAND NORMAL AND TUMOR CELL LINES

I have established a powerful approach for immortalizing salivary gland tumor (1999) and normal (2007) cells, with retention of differentiation markers. In contrast with other available salivary gland cell lines, our cells show no inter- and intra-species cross contamination. This unique and valuable resource has led to numerous MTAs with Institutions around the world.

HONORS AND AWARDS

- 2016 *The Jesus E. Medina M.D. Award for Excellence Research by a Medical Student* at the 1st Annual Department of Otorhinolaryngology Research Day, OUHSC, was attributed Dr. Basil Mathews for his work done in Queimado's lab. Oklahoma City, OK, May 21, 2016. Presentation Title: Clinical implications of chronic exposure to e-cigarette aerosols.
- 2016 Dr. Queimado's work was selected as an example of the groundbreaking cancer research being performed in Oklahoma. Featured in Oklahoma Magazine; article entitled: "Miracles in the Heartland: A national leader in groundbreaking cancer research and treatment is proudly located in Oklahoma. April 22, 2016.
- 2016 The only two Health Disparities Network Travel Awards attributed to Oklahoma State for the 2016 SNRT 22nd Annual Meeting went to Dr. Queimado's lab to support her PhD student, Jimmy Manyanga, and a summer medical student, Basil Mathews, to present their respective work entitled: "Active and passive smoking increase epithelial normal and cancer stemness" and

- “Nicotine activates the WNT/beta-catenin pathway and increases the stemness of head and neck cancer cells”.
- 2016 An Outstanding Poster Presentation Award (2nd place) at the Annual SCC Research Symposium was attributed to Jimmy Manyanga for work done in Dr. Queimado’s lab. Title: Active and passive smoking increase epithelial normal and cancer stemness and induce drug resistance.
- 2015 Oklahoma News Reported on our work on tobacco-induced DNA damage
<http://www.news9.com/clip/11227023/medical-minute-second-hand-smoke>
- 2015 Our recent work on tobacco-induced DNA damage published on the American Journal of Preventive Medicine was considered a “landmark study” and featured in the April 8, 2015 “Action To Quit” newsletter.
- 2015 *The 1st Place Award for Excellence Research by a Graduate Student at the Annual Stephenson Cancer Center Research Symposium*, January 30, 2015, Oklahoma City, OK, was attributed to Lacy Brame, BS, MS for her work done in Dr. Queimado’s lab. Presentation Title: Exposure to electronic-cigarettes’ aerosol extracts induce significant DNA damage.
- 2014 *Oklahoma Tobacco Settlement Endowment Trust (TSET) Research Scholar (Queimado)*
- 2014 *The Oklahoma State Grand Prize Award for Excellence Research* was attributed to the work done in Dr. Queimado’s lab by her student Lacy Brame at the EPSCoR Research Capitol Day on April 1st, 2014, Oklahoma City, OK. This prize includes a \$10,000 award.
Presentation Title: A Novel Assay to Predict Cancer Resistance to Cisplatin.
- 2014 *The Jesus E. Medina M.D. Award for Excellence Research by a Medical Student* at the 1st Annual Department of Otorhinolaryngology Research Day, OUHSC, was attributed Dr. Casey Buttler for his work done in Queimado’s lab. Oklahoma City, OK, April 12, 2014. Presentation Title: Assessing in vivo DNA damage to predict susceptibility to tobacco-associated cancer.
- 2013 – pres. Editor, Journal of Oral Oncology.
- 2013 *The first prize for Best Postdoctoral Research Poster Presentation at the Second Annual Stephenson Cancer Center Research Symposium*, March 29, 2013, Oklahoma City, OK, was attributed to Vengatesh Ganapathy, PhD, a Postdoctoral Fellow in Dr. Queimado’s lab.
Presentation Title: A novel assay to characterize mainstream and sidestream smoke induced DNA damage.
- 2013 *The Outstanding Poster Presentation Award for Summer Undergraduate Research Experience* at the OUHSC Summer Research Symposium was attributed to Lacy Brame for her work done in Dr. Queimado’s lab. July 19, 2013, Oklahoma City, OK. Presentation Title: A Novel Assay to Predict Cancer Resistance to Cisplatin.
- 2012 Selection of our novel DNA damage detection assay, by the OUHSC Office of Technology Development, as one of the OUHSC technologies to be highlighted and marketed at the 2013 BIO International Convention, April 21 –25, 2013. Chicago
- 2012 *The award for Best Paper of Year at OUHSC was attributed to our paper entitled “Wnt inhibitory factor 1 induces apoptosis and inhibits cervical cancer growth, invasion and angiogenesis in vivo”* published in Oncogene.
- 2012 *Ilangovan Ramachandran, PhD, a Postdoctoral Fellow in Dr. Queimado’s lab was named Post-Doc of the month.*

- 2012 Invitation by NIH to participate in Workshop on Salivary Gland Tumor Research: Current Status and Future Directions at the Bethesda North Marriott Hotel and Conference Center on February 6–7, 2012 in Bethesda, Maryland.
- 2011 *The second prize for Best Postdoctoral Research Poster Presentation at the 1st Annual Stephenson Cancer Center Research Symposium, November 18, 2011, Oklahoma City, OK.* was attributed to Ilangovan Ramachandran, PhD, a Postdoctoral Fellow in Dr. Queimado's lab.
Presentation Title: Wnt inhibitory factor 1 is silenced by promoter hypermethylation in cervical cancer and its restoration suppresses tumor growth.
- 2011 *The Best Postdoctoral Research Award, OU College of Medicine Dean's Award for Scientific Achievement, 36th Annual GREAT Symposium,* was attributed to Ilangovan Ramachandran, PhD, a Postdoctoral Fellow in Dr. Queimado's lab, March 28-31, 2011, Oklahoma City, OK.
Presentation Title: Wnt inhibitory factor 1 is down-regulated in human cervical cancer and its re-expression inhibits cervical cancer growth.
- 2011 *The Outstanding Performance Award, in recognition of Commitment to Excellence in the Department of Otorhinolaryngology,* was attributed to Ilangovan Ramachandran, PhD, a Postdoctoral Fellow in Dr. Queimado's lab. November 18, Oklahoma City, OK.
- 2010 – 2014 Consultant under NIH/NIDCR contract for the National Salivary Gland Tumor and Cell Line Biorepository (PI: El-Naggar) housed at UT MD Anderson Cancer Center, Houston, TX.
- 2009 Our manuscript “Dysregulation of Wnt pathway components in human salivary gland tumors” (*Queimado et al.*, 2008) was featured in Journal Reviews in the Journal of Oral and Maxillo Facial Pathology [Shabana FS, Manjunath K. Journal Reviews. J Oral Maxillofac Pathol 2009;13:51-3]
- 2007 Interviewed by the Daily Oklahoman, for the article entitled “*Salivary gland cancer rare but often deadly*”.
- 2006 Participation, Honors Research Program, OU College of Medicine
- 2006 INBRE Travel Award to attend the 1st Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), July 21-22, Washington DC.
- 2004 Featured researcher in OU Medicine; article title: *Faulty genes may be keys to targeted cancer treatment*
- 2002 – present Presbyterian Health Foundation (PHF) Chair in Otorhinolaryngology, PHF.
- 1999 Gordon Research Conference Travel Award, to attend the Gordon Research Conference on Mammalian DNA Repair Ventura, CA, USA
- 1995 – 1998 Fellowship from Junta Nacional de Investigação Científica e Tecnológica (JNICT) on the “Molecular characterization of salivary gland tumors: emphasis at chromosomes 6 and 8”.
- 1998 Travel Award, from JNICT, to attend the ACCR 89th Annual Meeting, New Orleans, LA.
- 1998 Travel Award, from Liga Portuguesa Contra o Cancro, to attend the United States and Canadian Academy of Pathology Meeting, Boston, MA.
- 1997 Travel Award, from JNICT, to attend the Second Joint Conference of the American Association for Cancer Research and the European Association for Cancer Research, Oxford, England.
- 1995 Fellowship Award in Genomics, from Fundação-Luso-Americana-para-Desenvolvimento, to attend a course (1 month) in Cold-Spring Harbor, NY, USA.

- 1994 Travel Award, from JNICT, to attend the EuroCellPath - Molecular Pathobiology of Cancer Meeting, Dalfsen, Netherland.
- 1992 – 1994 Fellowship from JNICT on the “Molecular characterization of deletions at 6q in gastric carcinoma”.
- 1991 Fellowship Award in Oncology, Liga Portuguesa contra o cancro
- 1984 – 1985 Best Scholar Award, Fundação Rotária Portuguesa
- 1983 – 1989 Outstanding Scholar Fellowship Award, Fundação Rotária Portuguesa
- 1983 – 1989 Predoctoral Fellowship (Medical School), JNICT

PUBLICATIONS

Peer-Reviewed

1. Drier Y, Cotton MJ, Williamson KE, Gillespie SM, Ryan RJ, Kluk MJ, Carey CD, Rodig SJ, Sholl LM, Afrogheh AH, Faquin WC, **Queimado L**, Qi J, Wick MJ, El-Naggar AK, Bradner JE, Moskaluk CA, Aster JC, Knoechel B, Bernstein BE. An oncogenic MYB feedback loop drives alternate cell fates in adenoid cystic carcinoma. *Nat Genet.* 2016 Feb 1. doi: 10.1038/ng.3502. (IF: **29.352**).
2. Ganapathy V, Ramachandran I, Rubenstein D, **Queimado L**. Detection of in vivo DNA damage induced by very low doses of mainstream and sidestream smoke extracts using a novel assay. *J Okla State Med Assoc.* 2015 Nov;108(11):500-8. *Re-printed (Tobacco Use Prevention and Cessation Issue)*.
3. Ganapathy V, Ramachandran I, Rubenstein D, **Queimado L**. Detection of in vivo DNA damage induced by very low doses of mainstream and sidestream smoke extracts using a novel assay. *Amer J Prev Med*, 48 (1 Suppl 1):S102-10, 2015. (IF: **4.281**). *Manuscript recognized as a landmark study by Action to Quit (April, 2015)*.
4. Ramachandran I, Ganapathy V, Gillies E, Fonseca I, Sureban SM, Houchen CW, Reis A, **Queimado L**. Wnt inhibitory factor 1 suppresses cancer stemness and induces cellular senescence. *Cell Death Dis.* 22;5:e1246, 2014. doi: 10.1038/cddis.2014.219. PMID: 24853424. (IF: **5.177**).
5. Warner KA, Adams A, Bernardi L, Nor C, Herwig K, Zhang Z, McLean SA, Helman J, Wolf GT, Divi V, **Queimado L**, Kaye FJ, Castilho R, Nör JE. Tumorigenic human salivary mucoepidermoid carcinoma cell lines. *Oral Oncology*, 49(11):1059-1066, 2013. (IF: **3.029**).
6. Allred C, **Queimado L**, Kreml G. Postintubation tracheal stenosis: Case report and guide to management. *J Case Reports Medicine.* 2, 2013. doi:10.4303/jcrm/235633
7. Moxley KM, Benbrook DM, **Queimado L**, Zuna RE, Thompson D, McCumber M, Premkumar P, Thavathiru E, Hines L, Moore KN. The role of single nucleotide polymorphisms of the ERCC1 and MMS19 genes in predicting platinum-sensitivity, progression-free and overall survival in advanced epithelial ovarian cancer. *Gynecol Oncol.* 130(2):377-82, 2013. (IF: **3.687**).
8. Ramachandran I, Thavathiru E, Ramalingam S, Natarajan G, Mills W, Benbrook D, Zuna R, Lightfoot S, Reis AMC, Anant S and **Queimado L**. Wnt inhibitory factor 1 induces apoptosis and inhibits cervical cancer growth, invasion and angiogenesis *in vivo*. *Oncogene*, 31:2725–2737, 2012. (IF: **8.559**). Awarded Best Paper of Year at OUHSC.

9. Reis AMC, Mills W, Ramachandran I, Friedberg EC, Thompson DM, **Queimado L**. Targeted detection of *in vivo* endogenous DNA base damage reveals preferential base excision repair in the transcribed strand. *Nucleic Acids Res*, 40(1):206-219, 2012. (IF: **8.808**).
10. Lin H-Y, Landersdorfer CB, London D, Meng R, Lim C-U, Lin C, Lin S, Tang H-Y, Brown D, Van Scoy B, Kulawy R, **Queimado L**, Drusano GL, Louie A, Davis FB, Mousa SA and Davis PJ, Pharmacodynamic Modeling of Anti-Cancer Activity of Tetraiodothyroacetic Acid in a Perfused Cell Culture System. *PLoS Comput Biol*,7(2):p. e1001073, 2011. (IF: **4.829**)
11. Borden RC, Saunders JE, Berryhill WE, Krempf GA, Thompson DM, and **Queimado L**. Hyaluronic acid hydrogel sustains the delivery of dexamethasone across the round window membrane. *Audiology and Neurotology*, 16:1-11, 2011. Epub 2010 May 1. (IF: **1.852**)
12. Ramachandran I, Sittadjody S, Balaganesh M, Sivakumar R, Ravi Sankar B, Balasubramanian K, Srinivasan S, Subramanian C, Thompson DM, **Queimado L**, Srinivasan N. Dihydrotestosterone is a determinant of calcaneal bone mineral density in men. *J Steroid Biochem Mol Biol*. 117:132-8, 2009. (IF: **4.049**)
13. Natarajan G, Ramalingam S, Ramachandran I, May R, **Queimado L**, Houchen CW and Anant S. CUGBP2 downregulation by prostaglandin E2 protects colon cancer cells from radiation-induced mitotic catastrophe. *Am J Physiol Gastrointest Liver Physiol*, 294:G1235-44, 2008. (IF: **3.737**)
14. Subramaniam D, Natarajan G, Ramalingam S, Ramachandran I, May R, **Queimado L**, Houchen CW and Anant S. Translation inhibition during cell cycle and apoptosis: Mcl-1 is a novel target for RNA binding protein CUGBP2. *Am J Physiol Gastrointest Liver Physiol*, 294:G1025-32, 2008. (IF: **3.737**)
15. Ramalingam S, Natarajan G, Schafer C, May R, Ramachandran I, **Queimado L**, Houchen CW and Anant S. Novel intestinal splice variants of RNA binding protein CUGBP2: Isoform specific effects on mitotic catastrophe. *Am J Physiol Gastrointest Liver Physiol*, 294:G971-81, 2008. (IF: **3.737**)
16. **Queimado L**, Obeso D, Hatfield MD, Yang Y, Thompson DM and Reis AMC. Dysregulation of Wnt pathway components in human salivary gland tumors. *Arch Otolaryngol Head Neck Surg*, 143:94-101, 2008. (IF: **3.006**). *Featured in the reviews of the J Oral Maxillo Facial Path*, 13:1, 2009.
17. **Queimado L**, Lopes C and Reis AMC. *WIF1*, an inhibitor of the Wnt pathway, is rearranged in salivary gland tumors. *Genes Chromosomes & Cancer*, 46:215-225, 2007. (IF: **3.836**)
18. Hatfield MD, Reis AMC, Obeso, D., Cook JR, Thompson D.M., Rao M, Friedberg E.C. and **Queimado L**. Identification of MMS19 domains with distinct functions in NER and transcription. *DNA Repair*, 5:914-924, 2006. (IF: **3.362**)
19. **Queimado L**, Rao M, Schultz RA, Koonin EV, Aravind L, Stefanini M and Friedberg EC. Cloning the human and mouse MMS19 genes and functional complementation of a yeast mms19 mutant. *Nucleic Acids Res*, 29:1884-1891, 2001. (IF: **8.808**)
20. **Queimado L**, Lopes C, Du F, Martins C, Fonseca I, Bowcock A, Soares J and Lovett M. In vitro transformation of cell lines from human salivary gland tumors. *Int J Cancer*, 81:793-798, 1999. (IF: **5.007**).
21. **Queimado L**, Lopes C, Du F, Martins C, Bowcock A, Soares J and Lovett M. The Pleomorphic Adenoma Gene 1 is expressed in cultured benign and malignant salivary gland tumors cells. *Lab Invest*, 79:583-589, 1999. (IF: **3.828**)

22. Bardien-Kruger S, Greenberg J, Tubb B, Bryan J, **Queimado L**, Lovett M, Ramesar R. Refinement of the RP17 locus for autosomal dominant retinitis pigmentosa, construction of a YAC contig and investigation of the candidate gene retinal fascin. *Europ J Hum Genet*, 7:332-338, 1999. (IF: **4.225**).
23. **Queimado L** and Soares J. Molecular alterations in salivary gland tumors. *Am J Surg Pathol*, 22:1163-1164, 1998. (IF: **4.592**)
24. **Queimado L**, Reis A, Martins C, Fonseca I, Lovett M, Soares J and Parreira L. A refined localization of two deleted regions in chromosome 6q associated with salivary gland carcinomas. *Oncogene*, 16:83-88, 1998. (IF: **8.559**).
25. Chaves P, Pereira AD, Pinto A, Oliveira AG, **Queimado L**, Gloria L, Cardoso P, Mira FC and Soares J. p53 protein immunoexpression in esophageal squamous cell carcinoma and adjacent epithelium. *J Surg Oncol*, 65:3-9, 1997. (IF: **2.843**).
26. Seruca R, Constancia M, DosSantos NR, **Queimado L**, Carvalho F and Carneiro F. Allele loss in human gastric carcinomas-relation to tumor progression and differentiation, *Int J Oncol*. 7:1159-1166, 1995. (IF: **2.773**).
27. **Queimado L**, Seruca R, Costa-Pereira A and Castedo S. Identification of two distinct regions of deletion at 6q in gastric carcinoma. *Genes Chromosomes & Cancer*, 14:28-34, 1995. (IF: **3.836**)

Books

1. **Queimado L**. Molecular characterization of salivary gland tumors: emphasis at chromosomes 6 and 8. Ph.D. Thesis, 1999.
2. **Queimado L**. Molecular characterization of deletions at 6q in gastric carcinoma. M.S. Thesis, 1994.

ABSTRACTS

1. Brame L, Ramachandran I, Raju R, Brabcova E, Naifeh M, Butler C, Mathews B, Campbell J, Zhao D, Krempf G, Medina J, Cheng L and **Queimado L**. Prediction of head and neck cancer using modifiable risk factors and WNT/beta-catenin signaling. American Head and Neck Society (AHNS) 9th International Conference on Head and Neck Cancer, July 16-20, 2016, Seattle, WA. Poster.
2. Ramachandran I, Raju R, Brame L, Ganapathy V, Brabcova E, Naifeh M, Reasoner J, Krempf G, Medina J, Cheng L, and **Queimado L**. WNT inhibitory factor 1 is silenced by promoter hypermethylation in head and neck cancer. American Head and Neck Society (AHNS) 9th International Conference on Head and Neck Cancer, July 16-20, 2016, Seattle, WA. Oral presentation.
3. Kumaran RI, Winnie D, Ramya KS, Senthilkumar K, Balaji S, Sivakumar R, Ravi Sankar B, **Queimado L**, Aruldas MM, Srinivasan N and IR. Modulation of osteoblastic differentiation of bone stem cells in rat by a novel osteoprotective activity in *Ormocarpum cochinchinense* leaf extract. International Society for Stem Cell Research 2016 - 14th Annual Meeting, June 22-25, 2016. San Francisco, CA, Poster.
4. Brame L, Ramachandran I, Raju R, Brabcova E, Naifeh M, Butler C, Mathews B, Campbell J, Zhao D, Krempf G, Medina J, Cheng L and **Queimado L**. The association of Wnt/beta-catenin signaling activation & modifiable risk factors in oropharyngeal cancer: a case control study. OUHSC 3rd Annual Otorhinolaryngology Research Day. Oklahoma City, OK May 21, 2016.

5. Ganapathy V, Manyanga J, Brame L, Rubenstein DA, Wagener T, Ramachandran I, and **Queimado L**. Short- and long-term exposure to electronic cigarette aerosols induce significant DNA damage. OUHSC 3rd Annual Otorhinolaryngology Research Day. Oklahoma City, OK May 21, 2016.
6. McGuire D, Ganapathy V, Manyanga J, Brame L, Rubenstein DA, Wagener T, Ramachandran I, and **Queimado L**. Electronic cigarettes induce oxidative DNA damage and suppress repair mechanisms. OUHSC 3rd Annual Otorhinolaryngology Research Day. Oklahoma City, OK May 21, 2016.
7. Matthews B. Clinical implications of chronic exposure to e-cigarette aerosols. OUHSC 3rd Annual Otorhinolaryngology Research Day. Oklahoma City, OK May 21, 2016.
8. Manyanga J, Bouharati C, Ganapathy V and **Queimado L**. Electronic cigarette aerosol increases cisplatin resistance in oral epithelial cancer cells. OUHSC 3rd Annual Otorhinolaryngology Research Day. Oklahoma City, OK May 21, 2016.
9. Kumaran RI, Winnie D, Ramya KS, Senthilkumar K, Balaji S, Sivakumar R, Ravi Sankar B, **Queimado L**, Aruldas MM, Srinivasan N and IR. Modulation of bone stem cell differentiation and bone remodeling by a novel osteoprotective activity in the *Ormocarpum cochinchinense* leaf extract. Global Technology Community Bio Conferences - Stem Cell Summit 2016, 13th Stem Cell Research and Regenerative Medicine, April 25-27, 2016. Boston, MA. Poster.
10. Ganapathy V, Manyanga J, Brame L, Rubenstein DA, Wagener T, Ramachandran I, and **Queimado L**. Electronic cigarettes induce significant DNA damage and reduce cellular antioxidant levels. American Association for Cancer Research (AACR) Annual meeting, April 16-20, 2016, New Orleans, LA. Poster.
11. Manyanga J, Bouharati C, Ganapathy V and **Queimado L**. Electronic Cigarettes increase the stemness and drug resistance in cancer and non-cancer epithelial cells. 41st Annual Graduate Research Education and Technology Symposium (GREAT) Symposium, OUHSC, March 28-31, 2016. Oklahoma City, OK. Poster.
12. Mathews B, Manyanga J, Ganapathy V, and **Queimado L**. nicotine activates the WNT/ β -catenin pathway and increases the stemness of head and neck cancer cells. 41st Annual GREAT Symposium, University of Oklahoma HSC, March 28-31, 2016. Oklahoma City, OK. Poster.
13. Ganapathy V, McGuire D, Manyanga J, Brame L, Rubenstein DA 2, Ramachandran I, and **Queimado L**. Electronic cigarette aerosols induce significant oxidative DNA damage. Graduate Research Education And Technology Symposium (GREAT), March 28th, 2015, Oklahoma City, OK, USA. Oral Presentation.
14. Ganapathy V, McGuire D, Manyanga J, Brame L, Rubenstein D, Ramachandran I and **Queimado L**. Electronic cigarette aerosols induce significant oxidative DNA damage. The Society of Toxicology 55th Annual Meeting and ToxExpo, March 13–17, 2016, New Orleans, Louisiana. Poster.
15. Manyanga J, Ganapathy V and **Queimado L**. Active and passive smoking increase epithelial normal and cancer stemness. 2016 Society for Research on Nicotine and Tobacco 22nd Annual Meeting, March 2-5, 2016. Chicago, IL, USA. Poster. Awarded the 2016 SRNT Health Disparities Network Travel Scholarship.
16. Ganapathy V, Mills W, Thavathiru E, Ramachandran I, Chandler L, Reis A and **Queimado L**. A novel assay for assessment of tobacco-induced cancer risk. 2016 Society for Research on Nicotine and Tobacco 22nd Annual Meeting. March 2-5, 2016. Chicago, IL, USA. Poster.

17. Mathews B, Manyanga J, Ganapathy V and **Queimado** L. Nicotine activates the WNT/beta-catenin pathway and increases the stemness of head and neck cancer cells. 2016 Society for Research on Nicotine and Tobacco 22nd Annual Meeting. March 2-5, 2016. Chicago, IL, USA. Poster. Awarded the 2016 SRNT Health Disparities Network Travel Scholarship.
18. Ganapathy V, Mills W, Thavathiru E, Ramachandran I, Chandler L, Reis A, **Queimado** L. A unique high sensitivity assay to predict susceptibility to tobacco-induced disease. Society for research on nicotine and tobacco (SRNT) 22nd Annual Meeting, 2016, March 2-5, 2016, Chicago, IL, USA. Oral Presentation.
19. Senthilkumar K, Winnie D, Ramya KS, Balaji S, Ravi Sankar B, Sivakumar R, **Queimado** L, Aruldas MM, Srinivasan N, Kumaran R and Ramachandran I. Novel findings on the bone fracture healing property of the leaf extract of *Ormocarpum cochinchinense* in rats. International Symposium on Integrative Physiology and Comparative Endocrinology (ISIPCE-2016) & 34th Annual meeting of the Society for Reproductive Biology and Comparative Endocrinology, February 12-14, 2016. Varanasi, India. Won third prize for the Best Oral Presentation.
20. Manyanga J, Bouharati C, Ganapathy V and **Queimado** L. Active and passive smoking increase epithelial normal and cancer stemness and induce drug resistance. Stephenson Cancer Center's Cancer Research Symposium, January 29th, 2016, Oklahoma City, OK. Poster. Won 2nd place prize for Best Poster Presentation.
21. Ganapathy V, Mills W, Thavathiru E, Ramachandran I, Chandler L, Reis A and **Queimado** L. A unique high sensitivity assay to predict susceptibility to tobacco-induced disease. Stephenson Cancer Center's Cancer Research Symposium, January 29th, 2016, Oklahoma City, OK. Poster.
22. Brame L, Ramachandran I, Raju R, Brabcova E, Naifeh M, Butler C, Mathews B, Campbell J, Zhao D, Kreml G, Cheng L and **Queimado** L. The association of WNT/beta-catenin signaling activation and modifiable risk factors in oropharyngeal cancer. Stephenson Cancer Center's Cancer Research Symposium, January 29th, 2016, Oklahoma City, OK. Oral presentation.
23. Mathews B, Manyanga J, Ganapathy V and **Queimado** L. Nicotine activates the WNT/beta-catenin pathway and increases the stemness of head and neck cancer cells. Fourth Annual College of Medicine Student Research Symposium at OUHSC on Wednesday, January 27th, 2016. Poster.
24. Kumaran R, Winnie D, Ramya K, Senthilkumar K, Balaji S, Sivakumar R, Sankar R, **Queimado** L, Aruldas M.M., Srinivasan N. and Ramachandran I. Modulation of bone stem cell differentiation and remodeling in rat by a novel osteoprotective activity in the leaf extract of *Ormocarpum cochinchinense*. The International Society for Stem Cell Research (ISSCR) annual meeting, 22-25 June, 2016, San Francisco, CA, U.S. Poster.
25. Kumaran R, Winnie D., Ramya KS, Senthilkumar K, Balaji S, Sivakumar R, Sankar R, **Queimado** L, Aruldas MM, Srinivasan N and Kumaran I. A novel osteoprotective activity in the leaf extract of *ormocarpum cochinchinense* regulates bone stem cell differentiation and bone remodeling. Tenth Annual Translational Stem Cell Research Conference, The New York Stem Cell Foundation, October 28-29, 2015. New York, NY, USA. Poster.
26. Mathew B, Manyanga J, Ganapathy V, Rubenstein D and **Queimado**, L. Effects of E-cigarette aerosols on oral epithelial stem cells. 2015 OTRC Summer Scholar Program Final Presentation Seminar. Aug. 12, 2015, Oklahoma City, OK. Oral presentation.
27. Ganapathy V, Mills W, Jinkins J, Ramachandran I, Chandler L, Chissoe G and **Queimado** L. A novel DNA damage detection assay to predict high risk of oropharyngeal cancer. 2nd Annual Otolaryngology Research Day, Oklahoma City, OK. April 18, 2015. Oral presentation.

28. Mowls D, Kabbani M, Woods C, Zhao Y and **Queimado L**. Influence of lifestyle and clinical factors on the relationship between DNA damage and head and neck cancer. 2nd Annual Otolaryngology Research Day, Oklahoma City, OK. April 18, 2015. Oral presentation.
29. Mannyanga J, Ganapathy V, Rubenstein D and **Queimado L**. Mainstream and sidestream smoke regulate normal and cancer epithelial cell stemness. 2nd Annual Otolaryngology Research Day, Oklahoma City, OK. April 18, 2015. Oral presentation.
30. Brame L, Ganapathy V, Ramachandran I, Wagener T, Rubenstein D. and **Queimado L**. Exposure to electronic-cigarette aerosol extract induces significant DNA damage. 2nd Annual Otolaryngology Research Day. April 18, 2015. Oklahoma City, OK. Oral presentation.
31. Ganapathy V, Kabbani M, Woods C, Mowls D, Ramachandran I, Chisoe G, Krempf G, Zhao Y and **Queimado L**. A unique DNA damage detection assay for early diagnosis of oropharyngeal cancer. Graduate Research Education And Technology Symposium (GREAT), April 1, 2015, Oklahoma City, OK. Oral presentation.
32. Brame L, Ganapathy V, Ramachandran I, Wagener T, Rubenstein D. and **Queimado L**. Exposure to electronic-cigarette aerosol extract induces significant DNA damage. Graduate Research Education And Technology Symposium (GREAT), April 1, 2015, Oklahoma City, OK. Poster.
33. Ganapathy V, Mills W, Thavathiru E, Ramachandran I, Rubenstein D, Chandler L, Chisoe G and **Queimado L**. A novel assay reveals differential strand repair of DNA damage induced by active and passive smoke. Emerging Topics in Genome Instability. April 9-10, 2015. Oklahoma City, OK. Poster.
34. Brame L, Ganapathy V, Ramachandran I, Wagener T, Rubenstein D. and **Queimado L**. Exposure to electronic-cigarette aerosol extract induces significant DNA damage. Emerging Topics in Genome Instability. April 9-10, 2015. Oklahoma City, OK. Poster.
35. Ganapathy V, Mills W, Jinkins J, Ramachandran I, Chandler L, Chisoe G and **Queimado L**. A novel DNA damage assay to improve cancer risk assessment and early diagnosis. Emerging Topics in Genome Instability. April 9-10, 2015. Oklahoma City, OK. Oral presentation.
36. Brame L, Ganapathy V, Ramachandran I, Wagener T, Rubenstein D. and **Queimado L**. Exposure to electronic-cigarette aerosol extract induces significant DNA damage. Annual Stephenson Cancer Center Research Symposium, January 30, 2015, Oklahoma City, OK. Poster.
37. Mannyanga J, Ganapathy V, Rubenstein D. and **Queimado L**. Exposure to mainstream and sidestream smoke increases the stemness of epithelial normal and cancer cells. Annual Stephenson Cancer Center Research Symposium, January 30, 2015, Oklahoma City, OK. Poster.
38. Ganapathy V, Woods C, Kabbani M, Ramachandran I, Krempf G, Chisoe G, Zhao Y and **Queimado L**. DNA damage in peripheral blood cells predicts oropharyngeal cancer risk. Annual Stephenson Cancer Center Research Symposium, January 30, 2015, Oklahoma City, OK. Poster.
39. Ganapathy V, Mannyanga J, Brame L, Mowls D and **Queimado L**. Nicotine increases the stemness of head and neck cancer cells. Annual Stephenson Cancer Center Research Symposium, January 30, 2015, Oklahoma City, OK. Poster.
40. Ramachandran I, Gillies E, Fonseca I, Sureban SM, Houchen CW, Reis A, **Queimado L**. Wnt inhibitory factor 1 reduces cell proliferation, self-renewal and epithelial-mesenchymal

transition markers in malignant salivary gland cells. The International Federation of Head and Neck Oncologic Societies (IFHNOS) 5th World Congress and the American Head and Neck Society (AHNS) 2014 Annual Meeting, July 26-30, 2014. New York, NY. Oral presentation.

41. Ganapathy V, Ramachandran I, Kreml G, Chissoe D, Zhao YD and **Queimado L**. DNA damage in peripheral blood cells predicts oropharyngeal cancer risk. The International Federation of Head and Neck Oncologic Societies (IFHNOS) 5th World Congress and the American Head and Neck Society (AHNS) 2014 Annual Meeting, July 26-30, 2014. New York, NY. Oral presentation.
42. Butler C, Mills WK, Thavathiru E, Ganapathy V, Chandler L, Chissoe G, Reis A and **Queimado L**. Assessing *in vivo* DNA damage to predict susceptibility to tobacco-associated cancer. 1st Annual Department of Otorhinolaryngology Research Day, OUHSC, April 12, 2014. Oklahoma City, OK . Oral Presentation. Won the Jesus E. Medina M.D. Award for Excellence Research by a Medical Student.
43. Ganapathy V, Ramachandran I, Rubenstein D and **Queimado L**. A Unique Assay Detects *in vivo* DNA Damage in Human Oral Cells Exposed to Low Doses of Tobacco Smoke Extracts. Otorhinolaryngology Research Day, OUHSC, April 12, 2014. Oklahoma City, OK. Oral Presentation.
44. Brame L, Ganapathy V, Ramachandran I and **Queimado L**. A novel assay to predict cancer resistance to cisplatin. Otorhinolaryngology Research Day, OUHSC, Oklahoma City, OK, April 12, 2014. Oral Presentation.
45. Ramachandran I, Gillies E, Fonseca I, Sureban SM, Houchen CW, Reis A, **Queimado L**. I. Wnt Inhibitory Factor 1 suppresses human salivary gland cancer cell growth by regulating cancer stem cells and cellular senescence. Otorhinolaryngology Research Day, OUHSC, April 12, 2014. Oklahoma City, OK. Oral Presentation.
46. Ganapathy V, Ramachandran I, **Queimado L**. A novel assay to predict cisplatin resistance in cancer cells. American Association for Cancer Research (AACR) 103rd Annual meeting, April 5-9, 2014. San Diego, CA. Cancer Research 74 (19 Supplement) 2831-2831 2014. Poster.
47. Ramachandran I, Ganapathy V, **Queimado L**. Wnt inhibitory factor 1 reduces the growth and migration of human adenoid cystic carcinoma cells. American Association for Cancer Research (AACR) 103rd Annual meeting, April 5-9, 2014. San Diego, CA. Cancer Research 74 (19 Supplement) 5274-5274 2014. Poster.
48. Brame L, Ganapathy V, Ramachandran I, **Queimado L**. A Novel Assay to Predict Cancer Resistance to Cisplatin. 19th Annual Research Day at the Capitol, April 1st, 2014, Oklahoma City, OK. Poster. Won the Grand Prize Award (\$10,000) for Excellence Research at the EPSCoR Research Day.
49. Ganapathy V, Ramachandran I, Rubenstein DA, **Queimado L**. a novel assay detects high levels of *in vivo* DNA damage after exposure to very low dose of tobacco smoke. Graduate Research Education And Technology Symposium (GREAT), April 1, 2014, Oklahoma City, OK. Oral Presentation.
50. Ganapathy V, Ramachandran I, Mills WK, Thavathiru E, Reis AMC, **Queimado L**. Predicting Oral Cancer Risk and Treatment Efficacy. 2014 Oklahoma Health Research Conference, March 31, 2014, Oklahoma City, OK. Poster.
51. Ganapathy V, Ramachandran I, Rubenstein DA, **Queimado L**. Quantification of DNA damage caused by cigarette smoke using primer-anchored DNA damage detection assay. Society for Research on Nicotine and Tobacco 20th Annual Meeting, Feb. 5-8, 2014, Seattle, WA. Poster.

52. Ganapathy V, Mills WK, Ramachandran I, Jinkins J, Thavathiru E, Chandler L, Chissoe G, Stephens L, **Queimado L**. Measuring tobacco-induced DNA damage to predict cancer susceptibility in diverse populations. Peggy and Charles Stephenson cancer Center, Cancer Research Symposium, Jan 31st, 2014, Oklahoma City, OK. Poster.
53. Ramachandran R, Liu CZ, **Queimado L**. Wnt inhibitory factor 1 is downregulated in adenoid cystic carcinoma (ACC) and its re-expression suppresses the growth of ACC cells. Peggy and Charles Stephenson cancer Center, Cancer Research Symposium, Jan 31st, 2014, Oklahoma City, OK. Poster.
54. Ganapathy V, Ramachandran I, Rubenstein DA, **Queimado L**. Quantification of DNA damage caused by cigarette smoke using primer-anchored DNA damage detection assay. Peggy and Charles Stephenson cancer Center, Cancer Research Symposium, Jan 31st, 2014, Oklahoma City, OK. Poster.
55. Brame L, Ganapathy V, Ramachandran I, **Queimado L**. A Novel Assay to Predict Cancer Resistance to Cisplatin. OUHSC, Summer Research Symposium, July 19, 2013, Oklahoma City, OK. Poster. *Won prize for Outstanding Poster Presentation, for Summer Undergraduate Research Experience, at OUHSC.*
56. Ganapathy V, Mills WK, Thavathiru E, Ramachandran I, Chandler L, Reis A and **Queimado L**. A novel assay to predict susceptibility to tobacco-induced disease. American Association for Cancer Research (AACR) 102st Annual meeting, April 6-10, 2013. Washington, DC. Cancer Research 73 (8 supplement) 4679-4679 2013. Poster.
57. **Queimado L**, Raju R, Cheng L, Ramachandran I, Brabcova E, Naifeh M and Krempel G. Down-regulation of Wnt inhibitory factor 1 is an early event in oropharyngeal cancer associated with tobacco-use. American Association for Cancer Research (AACR) 102st Annual meeting, April 6-10, 2013. Washington, DC. Cancer Research 73 (8 supplement) 4299-4299 2013. Poster.
58. Ramachandran I, Obeso D, Sureban SM, Thavathiru E, Reis A and **Queimado L**. MicroRNA-200c mediates the tumor suppressive effects of Wnt inhibitory factor 1 in human malignant salivary gland cells. American Association for Cancer Research (AACR) 102st Annual meeting, April 6-10, 2013. Washington, DC. Cancer Research 73 (8 Supplement) 4298-4298 2013. Poster.
59. Mills WK, Thavathiru E, Ramachandran I, Chandler L, Tassej J, Reis AMC, **Queimado L**. A novel DNA damage detection assay to predict head and neck cancer risk. American Association for Cancer Research (AACR) 102st Annual meeting, April 6-10, 2013. Washington, DC. Cancer Research. Poster.
60. Ganapathy V, Mills WK, Thavathiru E, Ramachandran I, Chandler L, Reis A and **Queimado L**. A novel assay to predict susceptibility to tobacco-induced disease. Graduate Research Education And Technology Symposium (GREAT), April 1, 2013, Oklahoma City, OK. Oral presentation.
61. Ganapathy V, Mills WK, Ramachandran I, Thavathiru E, Chandler L, Chissoe D and **Queimado L**. Assessing *in vivo* DNA damage to predict susceptibility to tobacco-induced disease in diverse populations. Second annual Stephenson Cancer Center Research Symposium, March 29, 2013, Oklahoma City, OK. Oral Presentation.
62. Ramachandran I, Obeso D, Sureban SM, Thavathiru E, Reis A and **Queimado L**. Wnt inhibitory factor 1 inhibits human salivary gland cancer cell growth: Novel findings on

- Senescence and cancer stem cells. Second annual Stephenson Cancer Center Research Symposium, March 29, 2013, Oklahoma City, OK. Oral Presentation.
63. Ganapathy V, Ramachandran I, Rubenstein D, Mills WK and **Queimado L.** PADD4, A novel assay to characterize mainstream and sidestream smoke induced DNA damage. Second annual Stephenson Cancer Center Research Symposium, March 29, 2013, Oklahoma City, OK. Won first prize for Best Postdoctoral Research Poster Presentation. **Poster.**
 64. Mills WK, Thavathiru E, Ganapathy V, Chissoe G, Chandler L, Reis A and **Queimado L.** High sensitivity DNA damage detection assay: potential tool to predict cancer risk and response to treatment. Second annual Stephenson Cancer Center Research Symposium, March 29, 2013, Oklahoma City, OK. **Poster.**
 65. Ganapathy V, Mills WK, Thavathiru E, Reis AMC, **Queimado L.** Predicting Oral Cancer Risk and Treatment Efficacy. 2012 Oklahoma Health Research Conference, March 13, 2013, Oklahoma City, OK. **Poster.**
 66. Butler C, Mills WK, Thavathiru E, Ganapathy V, Chandler L, Reis A and **Queimado L.** DNA damage detection in the oral mucosa smokers vs. non-smokers. University of Oklahoma College of Medicine Research Symposium Oklahoma City, OK Spring 2013. **Poster.**
 67. Butler C, Mills WK, Thavathiru E, Ganapathy V, Chandler L, Reis A and **Queimado L.** High Sensitivity Primer Anchored DNA Damage Detection Assay: Potential Use in Predicting Human Cancer Risk and Guiding Treatment. OU College of Medicine Student Research Symposium, January 23, 2013. OUHSC, Oklahoma City, OK. **Poster.**
 68. Reasoner J, Ramachandran I WNT and **Queimado L.** Mechanisms of WIF1 down-regulation in head and neck squamous cell carcinoma. August 2012, OUHSC, OK. Oral Presentation.
 69. Mills WK, Thavathiru E, Ramachandran I, Chandler L, Tassej J, Reis AMC, **Queimado L.** A novel DNA damage detection assay to predict head and neck cancer risk. 8th International Conference on Head and Neck cancer, July 21-25, 2012, Toronto, ON, Canada. Oral Presentation.
 70. Ramachandran I, Obeso D, Reis AMC and **Queimado L.** Wnt inhibitory factor 1 is a potent growth inhibitory agent for salivary gland tumor cells. American Association for Cancer Research (AACR) 101st Annual meeting, March 31-April 4, 2012. Chicago, IL. Cancer Research 72 (8 Supplement), 5625-5625 2012. **Poster.**
 71. Mills WK, Reis AMC and **Queimado L.** A novel DNA damage detection assay reveals a critical role of XPF in the repair of endogenous damage. American Association for Cancer Research (AACR) 101st Annual meeting, March 31 -April 4, 2012. Chicago, IL. Cancer Research 72 (8 supplement) 2546-2546 2012. **Poster.**
 72. Mills WK, Thavathiru E, Ramachandran I, Reis AMC, **Queimado L.** Predicting Oral Cancer Risk and Treatment Efficacy. 2012 Oklahoma Health Research Conference, April 4, 2012, Oklahoma City, OK. **Poster.**
 73. Ramachandran I, Thavathiru E, Ramalingam S, Natarajan G, Mills W, Benbrook D, Zuna Z, Lightfoot S, Reis AMC, Anant S and **Queimado L.** Wnt inhibitory factor 1 is silenced by promoter hypermethylation in cervical cancer and its restoration suppresses tumor growth. The Peggy and Charles Stephenson Cancer Center, Cancer Research Retreat, November 18, 2011, Oklahoma City, OK. Cancer Research 71 (18 supplement) C21-C21 2011. **Poster.** Won second prize for Best Postdoctoral Research Poster Presentation.

74. Mills WK, Reis AMC, Ramachandran I, Thompson D, **Queimado L.** A novel DNA damage detection assay for prediction of individual cancer risk. The Peggy and Charles Stephenson Cancer Center, Cancer Research Retreat, November 18, 2011, Oklahoma City, OK. Cancer Research 71 (18 supplement) C13-C13 2011. Poster.
75. Reis AMC, Mills WK, Thompson D and **Queimado L.** A novel DNA damage detection assay reveals preferential strand repair of endogenous DNA damage. The Peggy and Charles Stephenson Cancer Center, Cancer Research Retreat, November 18, 2011, Oklahoma City, OK. Oral presentation.
76. Thavathiru E, Mills WK, Ramachandran I, Chandler L, Tassej J, Ridener L, Hudson P, Reis AMC and **Queimado L.** Assessing tobacco-induced DNA damage to predict susceptibility to head and neck cancer. The Peggy and Charles Stephenson Cancer Center, Cancer Research Retreat, November 18, 2011, Oklahoma City, OK. Poster.
77. Mills WK, Thavathiru E, Ramachandran I, Thompson D, Reis AMC and **Queimado L.** Using a novel DNA damage detection assay to predict cancer risk and treatment efficacy. University of Oklahoma Health Sciences Center, Department of Cell Biology, Fall Retreat, September 23, 2011. Poster.
78. Ramachandran I, Thavathiru E, Ramalingam S, Natarajan G, Mills W, Benbrook D, Zuna Z, Lightfoot S, Reis AMC, Anant S and **Queimado L.** Wnt inhibitory factor 1 is silenced by promoter hypermethylation in cervical cancer and its restoration suppresses tumor growth. Second AACR International Conference on Frontiers in Basic Cancer Research, September 14-18, 2011, San Francisco, CA. Poster.
79. Mills WK, Reis AMC, Ramachandran I, Thompson D, **Queimado L.** A novel DNA damage detection assay for prediction of individual cancer risk. Second AACR International Conference on Frontiers in Basic Cancer Research, September 14-18, 2011, San Francisco, CA. Poster.
80. Ramachandran I, Mills W, Brabcova E, Fonseca I, Reis AMC, and **Queimado L.** Role of Wnt inhibitory factor 1 in salivary gland tumors. 2011 Oklahoma Health Research Conference, April 6, 2011, Oklahoma City, OK. Poster.
81. Ramachandran I, Ramalingam S, Natarajan G, Mills W, Benbrook D, Zuna Z, Lightfoot S, Reis AMC, Anant S and **Queimado L.** Wnt inhibitory factor 1 is down-regulated in human cervical cancer and its re-expression inhibits cervical cancer growth. The 36th annual GREAT symposium, March 28-31, 2011, Oklahoma City, OK. Poster. Won the 2011 Best Postdoctoral Research Award, OU College of Medicine Dean's Award for Scientific Achievement, OUHSC, Oklahoma City, OK.
82. Mills WK, Ramachandran I, Reis AMC, **Queimado L.** *In vivo* detection of cancer precursor DNA lesions. AHNS Research Workshop on the Biology, Prevention & Treatment of Head and Neck Cancer, October 28-30, 2010, Arlington, VA. Oral presentation. *Head & Neck*, 33(1): S020C, January 2011.
83. Ramachandran I, Mills W, Reis AMC, and **Queimado L.** Wnt inhibitory factor 1 down-regulation correlates with Wnt pathway activation in salivary gland tumors. The American Head and Neck Society (AHNS) 2010 Research Workshop on Biology, Prevention & Treatment of Head & Neck Cancer; October 28-October 30, 2010, Hyatt Regency Crystal City, Arlington, VA. *Head & Neck*, 33(1): P045, January 2011. Poster.

84. Ramachandran I, Mills WK, Gilles B, Fonseca I, Reis AMC and **Queimado L**. Targeting the Wnt Pathway in Head and Neck Cancer. 2010 Oklahoma Health Research Conference, April 22, 2010, Oklahoma City, OK. Poster.
85. Ramachandran I, Ramalingam S, Natarajan G, Mills W, Anant S, Reis AMC, and **Queimado L**. Wnt inhibitory factor 1 inhibits cervical cancer cell growth *in vitro*. American Association for Cancer Research (AACR) 101st Annual meeting. April 17-20, 2010. Washington, D.C. Cancer Research 70 (8 supplement) 3055-3055 2010. Poster.
86. Mills WK, **Queimado L**, Ramachandran I, Friedberg E, A.M.C. Reis. *In vivo* detection of nucleotide lesions preceding mutation fixation. AACR 101st Annual meeting, April 17-20, 2010. Washington, D.C. Cancer Research 70 (8 supplement) 1966-1966 2010. Oral presentation.
87. Ramalingam S, Subramaniam D, Moran E, Ramachandran I, **Queimado L**, Houchen C and Anant S. Role of RNA binding protein CUGBP2 in radiation-mediated autophagy. (Digestive Disease Week Gastroenterology Suppl 138(5): S-77, May 2010. Poster.
88. Ramalingam S, Subramaniam D, Natarajan G, Ramachandran I, May R, **Queimado L**, Lightfoot S, Houchen C and Anant S. Inhibition of metastasis: a novel role for RNA binding protein CUGBP2. AACR 2010. Cancer Research 70 (8 supplement) 2347-2347 2010. Poster.
89. Ramachandran I, Reis A, Gillies E, Thompson D and **Queimado L** (2009). Targeting the Wnt pathway in head and neck cancer. University of Oklahoma Cancer Institute Annual Poster Session, April 28, Oklahoma City, OK. Poster.
90. Ramachandran I, Reis A, Gillies E, Thompson D and **Queimado L** (2009). Targeting the Wnt pathway in head and neck cancer. 2009 Oklahoma Health Research Conference. April 16, 2009. Oklahoma City, OK. Poster.
91. Yang Y and **Queimado L** MMS19 is required for NER and transcription in human cells. Oklahoma IDeA Network of Biomedical Research Excellence (INBRE) and Centers of Biomedical Research Excellence (COBRE) Retreat, May 9, Oklahoma City, OK. Cancer Research 68 (9 supplement) 854-854 2008. Poster.
92. Yang Y and **Queimado L**. MMS19 is required for NER and transcription in human cells. OUCI Annual Poster Session April 22, Oklahoma City, OK. Cancer Research 68 (9 supplement) 854-854 2008. Poster.
93. Yang Y and **Queimado L**. MMS19 is required for NER and transcription in human cells. The American Association for Cancer Research (AACR) 99th Annual Meeting April 12-16, San Diego, CA. Cancer Research 68 (9 supplement) 854-854 2008. Poster.
94. Subramaniam D, Natarajan G, Ramalingam S, Ramachandran I, May R, **Queimado L**, Houchen CW and Anant S (2008). Translation control during mitotic catastrophe: Mcl-1 is a novel target for RNA binding protein CUGBP2. Digestive Disease Week 2008, May17-22, San Diego, CA. Poster. Gastroenterology, Suppl., 134(4): A744, 2008.
95. Ramalingam S, Natarajan G, Schafer C, May R, Ramachandran I, May R, **Queimado L**, Houchen CW and Anant S (2008). Novel intestinal splice variants of RNA binding protein CUGBP2: Isoform specific effects on mitotic catastrophe. Digestive Disease Week 2008, May17-22, San Diego, CA. Poster. Gastroenterology, Suppl. 1, 134(4): A386, 2008.
96. Natarajan G, Ramalingam S, Ramachandran I, May R, **Queimado L**, Houchen CW and Anant S (2008). Inhibition of CUGBP2 by Prostaglandin E2 suppresses radiation-mediated mitotic

- catastrophe in colon cancer cells. Digestive Disease Week 2008, May17-22, San Diego, CA. Poster. *Gastroenterology Suppl.* 134(4): A242, 2008.
97. Chavez de Paz Villanueva C, Cheng L, Kreml G, Medina J and **Queimado L** (2008). Is the distribution or certain biologic factors involved in the location of minor salivary gland tumors of the palate? 7th International Conference on Head & Neck Cancer, July 19-23, San Francisco, CA. Poster.
 98. Raju R, Ramachandran I, Gillies E and **Queimado L** (2008). Expression of WNT1 and beta-catenin in oropharyngeal squamous cell carcinoma: Implications for prognosis. 7th International Conference on Head & Neck Cancer, July 19-23, San Francisco, CA. Oral presentation.
 99. Reis A, Obeso D, Hatfield M and **Queimado L** (2007). WNT1, an activator of the Wnt pathway, is overexpressed in salivary gland tumor cells. American Head and Neck Society, 2007 Annual Meeting, April 28-29, San Diego, CA. Oral presentation.
 100. Shadfar S and **Queimado L** (2007). Expression of Wnt signaling pathway and DNA repair genes in salivary gland tumors cells. Oklahoma Academy of Otolaryngology Head and Neck Surgery Fall Symposium November 8-9, Oklahoma City, OK. Oral presentation.
 101. Goentzel B and **Queimado L** (2006). MMS19 splice variants and their impact on nucleotide excision repair and transcription in mammalian cells. Oklahoma Academy of Otolaryngology Head and Neck Surgery, Fall Symposium, November 17-18, Oklahoma City, OK. Oral presentation.
 102. Boyd II FL, Morrisson M and **Queimado L** (2006). “Studying a novel link between DNA repair and the Wnt pathway MMS19’s putative role in post replication repair” INBRE Summer Undergraduate Research, July, Oklahoma City, OK. Poster.
 103. Obeso D, Reis AMC, Hatfield M and **Queimado L** (2006). WIF1, an inhibitor of the Wnt pathway, is recurrently inactivated in salivary gland tumors. 2006 Annual Meeting & Research Workshop on the Biology, Prevention and treatment of Head and Neck Cancer, August 17-20, Chicago, IL. Oral presentation.
 104. Hatfield M, Obeso D, Reis AMC and **Queimado L** (2006). MMS19, a modulator of transcription and nucleotide excision repair, is overexpressed in human cancer. Annual Meeting & Research Workshop on the Biology, Prevention and treatment of Head and Neck Cancer August 17-20, Chicago, IL. Poster.
 105. **Queimado L**, Hatfield M, Obeso D, Friedberg E.C. and Reis AMC (2006). *In vivo* studies suggest MMS19 polypeptides modulate the balance between DNA repair and transcription. 1st Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), July 21-22, Washington, DC. Poster.
 106. **Queimado L**, Hatfield M, Obeso D and Reis AMC (2006). WIF1, an inhibitor of the WNT pathway, is recurrently rearranged in human salivary gland tumors. 1st Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE), July 21-22, Washington DC. Poster.
 107. Bailey-Repp L, Hatfield-Morrison M., Cook JR and **Queimado L** (2005). MMS19’s putative role in post replication repair. INBRE Summer Undergraduate Research July, Oklahoma City, OK. Poster.
 108. **Queimado L**, Lovett M, Lopes C, Cook JR and Reis AMC (2005). WIF1, a member of the WNT pathway, is rearranged in benign and malignant salivary gland tumors. OU Cancer Center Poster session May 10, Oklahoma City, OK. Poster.

109. **Queimado L**, Morrison MD, Cook JR, Rao M., Friedberg EC, Reis AMC. MMS19's role in transcription regulation. AACR 96th Annual Meeting, April 16-20, Anaheim, Orange County, CA. Cancer Research 65 (9 supplement) 720-721 2005. Poster.
110. **Queimado L**, Lovett M, Lopes C, Cook JR, Reis AMC (2004). WIF1, a member of the WNT pathway, is rearranged in benign and malignant salivary gland tumors. 6th International Conference on Head and Neck Cancer August 7-11, Washington DC. Poster.
111. Cook, Jr., Eugene H, Morrison M and **Queimado L** (2004). Functional analysis of *MMS19* splice variants. Summer Undergraduate Research, July 30, Oklahoma City, OK. Poster.
112. **Queimado L**, Friedberg E, Rao M, Cook JR (2004). Human *MMS19* encodes four polypeptides with distinct functions. OU Cancer Center Annual Poster session April 13, Oklahoma City, OK. Cancer Research 64 (7 supplement) 359-359 2004. Poster.
113. **Queimado L**, Friedberg E, Rao M and Cook JR (2004). Human *MMS19* encodes four polypeptides with distinct functions. AACR 95th Annual Meeting, March 27-31, Orlando, FL. Cancer Research 64 (7 supplement) 359-359 2004. Poster.
114. **Queimado L**, Rao M, Schultz RA, Friedberg E (2001). Functional analysis of human MMS19 gene, a NER and transcription modulator. UTSW Laboratory of Molecular Pathology Retreat, December 5, Addison, Texas. [Oral presentation](#).
115. Lopes C, **Queimado L**, Du F, Martins C, Fonseca I, Bowcock A, Soares J and Lovett M (1998). *In vitro* transformation of cell lines from human salivary gland tumors. 87th Annual Meeting of the United States and Canadian Academy of Pathology, February 28-March 6, Boston, MA. Modern Pathology 11 (1) 121A-121A 1998. Poster.
116. **Queimado L**, Lopes C, Du F, Martins C, Bowcock A, Soares J and Lovett M. The chromosome 8-linked putative pleomorphic adenoma gene (*PLAG1*) is expressed in a wide range of human tumors and cell lines (1998). 87th Annual Meeting of the United States and Canadian Academy of Pathology, February 28-March 6, Boston, MA. Modern Pathology 11 (1) 123A-123A 1998. [Oral presentation](#).
117. **Queimado L**, Lopes C, Soares J and Lovett M (1998). Human chromosome 6-specific cDNA libraries as new tools for identifying tumor suppressor genes. Cancer Genetics & Tumor Suppressor Genes, August 19-23, Cold Spring Harbor, NY. Poster.
118. **Queimado L**, Lopes C, Du F, Bowcock A, Soares J and Lovett M. (1998). Expression of the putative pleomorphic adenoma gene (*PLAG1*) in a wide range of human tumors and cell lines. AACR 89th Annual Meeting, March 28 - April 1, New Orleans, LA. Poster.
119. **Queimado L**, Lopes C, Soares J and Lovett M (1997). Expression of the putative pleomorphic adenoma gene (*PLAG1*) in a wide range of human tumors and cell lines. Molecular Genetics of Cancer, second joint conference of the American Association for Cancer Research and the European Association for Cancer Research, September 9-13, Oxford, England. American Journal of Human Genetics 61 (4), A79-A79 1997. Poster.
120. **Queimado L**, Clines G, Soares J and Lovett M (1997). Human chromosome 6 and 8-specific cDNA libraries as tools for identifying genes involved in salivary gland carcinoma. ACCR 88th Annual Meeting, April 12-16, San Diego, CA. Poster.
121. **Queimado L**, Reis A, Parreira L, Martins C, Fonseca I and Soares J (1996). Detailed Deletion Mapping of Chromosome 6q in Salivary Gland Carcinomas. Cancer Genetics & Tumor Suppressor Genes, August, Cold Spring Harbor, NY. Poster.

122. **Queimado L**, Parreira L, Reis A, Martins C, Fonseca I and Soares J (1996). Frequent loss of heterozygosity at 6q in malignant salivary gland tumors. Second Educational convention of European School of Oncology, June, Vienna, Austria. *European Journal of Cancer* 32 (Supplement 3) 1996. Poster.
123. **Queimado L**, Parreira L, Reis A, Martins C, Rosa Santos J, Fonseca I and Soares J (1996). Loss of heterozygosity at 6q in malignant salivary gland tumors. 5th European Workshop on Cytogenetics and Molecular Genetics of Human Solid Tumors, April, Baveno-Stresa, Italy. *Cancer Genetics and Cytogenetics* 91 (2) 168 1996. Poster.
124. **Queimado L**, Fonseca I, Martins C, Reis A, Parreira L and Soares J (1995). Molecular characterization of deletions at 6q in salivary gland carcinomas. A study of 11 cases. XXX Jornadas Luso-Espanholas de Genética, September, Lisbon, Portugal. Poster.
125. Chaves P, **Queimado L**, Gloria L, Dias Pereira A, Nobre Leitao C and Mira FC (1994). p53 immunoreactivity in squamous cell carcinoma of the esophagus – A retrospective study. The World Congress of Gastroenterology 1994, October, Los Angeles CA. Poster.
126. **Queimado L**, Seruca R, David L, Carneiro F, Castedo S and Sobrinho-Simoes M (1994). Molecular characterization of deletions on chromosome 6 in human gastric carcinoma. XII Symposium of the European Cancer Prevention Organization, June, Porto, Portugal. *European Journal of Cancer Prevention* 3 107 1994. Poster.
127. Santos N, Constanca M, **Queimado L**, Seruca R and David L (1994). Microsatellite instability in gastric carcinoma. XII Symposium of the European Cancer Prevention Organization, June, Porto, Portugal. Poster.
128. **Queimado L**, Seruca R, David L, Carneiro F, Castedo S and Sobrinho-Simoes M (1994). Molecular characterization of deletions on chromosome 6 in human gastric carcinoma. EuroCellPath - Molecular Pathobiology of Cancer, April, Dalfsen, Holland. Oral presentation.
129. Chaves P, **Queimado L**, Gloria L, Dias Pereira A, Oliveira AG and Soares J (1994). p53 immunoreactivity in squamous cell carcinoma of the esophagus. EuroCellPath - Molecular Pathobiology of Cancer, April, Dalfsen, Holland. Poster.

ORAL PRESENTATIONS (Since 2002)

1. WNT inhibitory factor 1 is silenced by promoter hypermethylation in head and neck cancer. American Head and Neck Society (AHNS) 9th International Conference on Head and Neck Cancer, July 18, 2016, Seattle, WA.
2. DNA damage and cancer risk: from the clinic to the lab and back again. Summer Scholars Seminar. Oklahoma City, OK. July 14, 2016. Invited talk.
3. A paradigm shift in cancer risk assessment: from genotoxic exposure to personalized risk estimation. Department of Structural and Cellular Biology Tulane University, New Orleans, LA. Invited talk.
4. A paradigm shift in cancer risk assessment: from genotoxic exposure to personalized cancer risk. basic cancer biology program monthly meeting. Oklahoma University Health Sciences Center, Oklahoma City, OK, October 3rd, 2015. Invited talk.
5. A paradigm change in cancer screening: from genotoxic exposure to tailored risk assessment. ORL Grand Rounds. Oklahoma University Health Sciences Center, Oklahoma City, OK. May 27th, 2015

6. Detection of *in vivo* DNA damage induced by very low doses of mainstream and sidestream smoke extracts using a novel assay. Oklahoma Tobacco Research Center Annual Meeting, May 26th, 2015. Invited talk.
7. A novel DNA damage assay to improve cancer risk assessment and early diagnosis. Emerging Topics in Genome Instability. OMRF, OK, April 9-10, 2015. Invited talk.
8. DNA damage in peripheral blood cells predicts oropharyngeal cancer risk. The International Federation of Head and Neck Oncologic Societies (IFHNOS) 5th World Congress and the American Head and Neck Society (AHNS) 2014 Annual Meeting, New York, NY, July 26-30, 2014.
9. Wnt inhibitory factor 1 reduces cell proliferation, self-renewal and epithelial-mesenchymal transition markers in malignant salivary gland cells. The International Federation of Head and Neck Oncologic Societies (IFHNOS) 5th World Congress and the American Head and Neck Society (AHNS) 2014 Annual Meeting, New York, NY, July 26-30, 2014.
10. Using DNA damage to predict head and neck cancer risk. ORL Grand Rounds. Oklahoma University Health Sciences Center, Oklahoma City, OK, April 2nd, 2014.
11. Cigarette smoke and cancer. Oklahoma Tobacco Research Center Journal Club, December. 13, 2013. Invited talk.
12. A novel assay to quantify *in vivo* DNA damage induced by mainstream and sidestream smoke. Oklahoma Tobacco Research Center Journal Club, Nov. 8th, 2013. Invited talk.
13. New insights into the role of WIF1 in oncogenesis and stem cell regulation. Physiology Seminar Series, Oklahoma University Health Sciences Center, May 2nd, 2013, Oklahoma City, OK. Invited talk.
14. Assessing *in vivo* DNA damage to predict susceptibility to tobacco-induced disease in diverse populations. Second Annual Stephenson Cancer Center Research Symposium, March 29, 2013, Oklahoma City, OK. Invited talk.
15. Wnt inhibitory factor 1 inhibits human salivary gland cancer cell growth: novel findings on senescence and cancer stem cells. Second Annual Stephenson Cancer Center Research Symposium, March 29, 2013, Oklahoma City, OK.
16. A novel assay to predict oral cancer risk and treatment efficacy. La Crosse BioResearch Forum, Gundersen Lutheran Medical Foundation, March 21, 2013, La Crosse, WI. Invited talk.
17. Translational research: ongoing projects. ORL Grand Rounds. December 5, 2012, Oklahoma City, OK.
18. From the clinic to the lab and back again. Stephenson Oklahoma Cancer Center Summer Research Scholarship Program, Lunch and Learn Series, June 8, 2012, Oklahoma City, OK.
19. A novel DNA damage detection assay to predict head and neck cancer risk. 8th International Conference on Head and Neck cancer, July 21-25, 2012, Toronto, ON, Canada.
20. A novel DNA damage detection assay reveals preferential strand repair of endogenous DNA damage. The Peggy and Charles Stephenson Cancer Center, Cancer Research Retreat, November 18, 2011, Oklahoma City, OK.
21. Integrating clinical, basic, and translational research. Peggy and Charles Stephenson Oklahoma Cancer Center Summer Research Scholarship Program. June 24, 2011.

22. *In vivo* detection of cancer precursor DNA lesions. The American Head and Neck Society (AHNS) 2010 Research Workshop on Biology, Prevention & Treatment of Head & Neck Cancer; Hyatt Regency Crystal City, Arlington, VA, October 29, 2010.
23. *In vivo* detection of nucleotide lesions preceding mutation fixation. AACR 101st Annual meeting, Washington, DC, 2010.
24. DNA repair and wnt pathway: Integrating Clinical, Basic, and Translational Research. OUCI Research Seminars, The University of Oklahoma Health Sciences Center, OK, December 4, 2009.
25. Oncobiology - from bed to bench and back. Centro de Biomedicina Molecular e Estrutural, Universidade Algarve, Faro, Portugal. July 1, 2009.
26. Expression of WNT1 and beta-catenin in oropharyngeal squamous cell carcinoma: Implications for prognosis. 7th International Conference on Head & Neck Cancer, San Francisco, CA. July 20, 2008.
27. Links between DNA repair and wnt pathway – implications for human cancer. GI Research Conference, The University of Oklahoma Health Sciences Center, OK. November 1, 2007.
28. Salivary gland tumors – molecular alterations as targets for cancer treatment. Centro de Investigação em Ciências da Saúde, Universidade da Beira Interior, Covilhã, Portugal. October 16, 2007.
29. Links between DNA repair and wnt pathway – implications for human cancer. Centro de Biomedicina Molecular e Estrutural, Universidade Algarve, Faro, Portugal, October 15, 2007.
30. Impact of DNA repair efficiency in cancer frequency and prognosis. Instituto de Tecnologia Química e Biológica, Lisbon, Portugal, October 16, 2007.
31. WNT1, an activator of the wnt pathway, is overexpressed in salivary gland tumor cells. American Head and Neck Society, 2007 Annual Meeting, San Diego, CA, April 28-29.
32. Links between DNA repair and wnt pathway – implications for human cancer. Department of Cell Biology, The University of Oklahoma Health Sciences Center, OK, April 10, 2007.
33. WIF1, an inhibitor of the wnt pathway, is recurrently inactivated in salivary gland tumors. Annual Meeting & Research Workshop on the Biology, Prevention and treatment of Head and Neck Cancer, Chicago, IL, August 17-20, 2006.
34. The role of MMS19 in DNA repair and transcription. INBRE External Advisory Committee Meeting, University of Central Oklahoma, Edmond, OK, June 5, 2006.
35. The Wnt pathway regulates craniofacial morphogenesis and salivary gland cancer. Oral Research Advancing the Life Sciences (ORALS) Program Internal Advisory Committee Meeting, OUHSC, Oklahoma City, OK, March 31, 2006.
36. MMS19 modulates DNA repair and transcription – Is it a tumor suppressor or an oncogene? Department of Endocrinology, The University of Oklahoma Health Sciences Center, November 4, 2005.
37. The role of MMS19 in DNA repair and transcription. INBRE External Advisory Committee Meeting, The University of Oklahoma Health Sciences Center, Oklahoma City, OK, June 10, 2005.
38. The Wnt pathway links craniofacial development and oral cancer. Oral Research Advancing the Life Sciences (ORALS) Program External Committee Meeting, The University of Oklahoma Health Sciences Center, Oklahoma City, OK, March 25, 2005.

39. The role of MMS19 in DNA repair and transcription. INBRE External Advisory Committee Meeting, Southwestern Oklahoma State University, Weatherford, OK November 30, 2004.
40. Molecular characterization of salivary gland tumors. Otolaryngology Research Partnership -- Fundraising Conference, Department of Otorhinolaryngology, The University of Oklahoma Health Sciences, Oklahoma City, OK. February 27, 2004.
41. Study of MMS19 and its putative role in cancer. Department of Pathology, The University of Oklahoma Health Sciences Center, Oklahoma City, OK. October 9, 2003.
42. The MMS19 gene – function and possible role in human cancer. Department of Pathology, The University of Oklahoma Health Sciences Center, Oklahoma City, OK. June 3, 2003.
43. A novel link between DNA repair and transcription. Instituto de Medicina Molecular, Faculdade de Medicina de Lisboa, Universidade de Lisboa, Lisboa, Portugal, August 2002.
44. Molecular characterization of salivary gland tumors. Centro de Investigação de Patobiologia Molecular, Instituto Português de Oncologia Francisco Gentil, Lisboa, Portugal, September 2002.
45. MMS19 links DNA repair and transcription. Centro de Investigação de Patobiologia Molecular, Instituto Português de Oncologia Francisco Gentil, Lisboa, Portugal, August 2002.
46. Cloning and functional analysis of human *MMS19* gene, a DNA repair and transcription modulator. Department of Otorhinolaryngology, The University of Oklahoma Health Sciences Center, Oklahoma City, OK, April 2002.
47. Interactions between DNA repair and transcription. Department of Chemistry and Biochemistry, University of Minnesota, Duluth, MN, February 2002.
48. Cloning and functional analysis of human *MMS19* gene, a DNA repair and transcription modulator. Department of Pathology, Texas A&M University, College Station, TX, January 2002.

TEACHING

Course Participation

DEPARTMENT

1. Courses integrated in the Otorhinolaryngology Residency and Fellowship Research Programs.

These programs are intended to provide a thorough understanding of the discipline of research and have precisely defined goals and deadlines attained with the aid of four workshops tailored to each project and dedicated mentorship. For my role as a mentor within these programs please see “Mentoring and Advising”.

Roles: a) Single Instructor for each workshop listed below.

b) Director of Basic and Translational Research (since Jan. 2009)

i. Orientation and Experimental Design & Methods I (Workshop I). Designed to aid in the selection of a research topic and introduce the basics of research design. Residents are also guided thorough critical evaluation and presentation of manuscripts (40 h of instruction).

- Spring 2010 Katya Huseva, M.D., (PGY1)
Research topic selected: *Targeting Wnt pathway as a novel strategy to treat mucoepidermoid carcinoma*
- Fall 2009 Juraj Berkovic, M.D., Head and Neck (H&N) Cancer Fellow
Research topic selected: *Bioengineered trachea implant development*
- Fall 2006 Ryan Raju, M.D., (PGY3)
Research topic selected: *Role of the Wnt pathway in oropharyngeal and hypopharyngeal cancer*
- Summer 2006 Carlos Villanueva, M.D., Head and Neck (H&N) Cancer Fellow
Research topic selected: *Histological study of minor salivary glands of the palate and evaluation of the levels of expression of the WNT pathway in distinct types of salivary glands using human cadavers*

ii. Experimental Design & Methods II (Workshop II). Focused on chosen project, defines hypothesis formulation and introduces concepts essential for experimental design and methods. Also, provides intensive course on proposal writing process (40 h of instruction).

- Summer 2010 Project: *Targeting Wnt pathway as a novel strategy to treat mucoepidermoid carcinoma*
 Katya Huseva, M.D., (PGY1)
- Winter 2009 Project: *Bioengineered trachea implant development*
 Juraj Berkovic, M.D., Head and Neck (H&N) Cancer Fellow
- Spring 2008 Project: *Round window application of hyaluronic acid/dexamethasone gel in guinea pigs*
 Clay Borden, M.D., (PGY3)
- Fall 2006 Project: *Role of the Wnt pathway in oropharyngeal and hypopharyngeal cancer*
 Ryan Raju, M.D., (PGY3)
- Summer 2006 Project: *Histologic study of minor salivary glands of the palate and evaluation of the levels of expression of the WNT pathway in distinct types of salivary glands using human cadavers*
 Carlos Villanueva, M.D., H&N Cancer Fellow
- Summer 2005 Project: *Treatment-related symptoms and depression in head and neck cancer patients*
 Justin McCoy, M.D., (PGY3)
- Spring 2004 Project: *Culture directed therapy for persistent otitis media*
 Kyle Kaneaster, M.D., (PGY3)
- Spring 2003 Project: *Recovery from uvulopalatopharyngoplasty*
 Tariq Yunus, M.D., (PGY3)

Spring 2003 Project: *Endonasal stents in nasal fracture reduction*
Scott Knappenberg, M.D., (PGY3)

Summer 2003 Project: *Sensitivity and specificity of UniCAP to fungal allergens*
Cope Norcross, M.D., (PGY3)

iii. Statistics (Workshop III). Examples and critical dissection of statistical methodology potentially applicable to the project being developed, lead the resident/fellow to identify the statistical analysis more appropriate for his/her project (40 h of instruction).

Summer 2010 Project: *Targeting Wnt pathway as a novel strategy to treat mucoepidermoid carcinoma*
Katya Huseva, M.D., (PGY1)

Winter 2009 Project: *Bioengineered trachea implant development*
Juraj Berkovic, M.D., Head and Neck (H&N) Cancer Fellow

Spring 2008 Project: *Round window application of hyaluronic acid/dexamethasone gel in guinea pigs*
Clay Borden, M.D., (PGY3)

Winter 2006 Project: *Role of the Wnt pathway in oropharyngeal and hypopharyngeal cancer*
Ryan Raju, M.D., (PGY3)

Summer 2006 Project: *Histologic study of minor salivary glands of the palate and evaluation of the levels of expression of the WNT pathway in distinct types of salivary glands using human cadavers*
Carlos Villanueva, M.D., H&N Cancer Fellow

iv. Grant Proposal Writing and Preparation (Workshop IV). Through critical review of current proposal, and training on all the other components of a formal grant application, this workshop assures grant proposal completion and submission (60 to 120 h of instruction).

Summer 2010 Project: *Targeting Wnt pathway as a novel strategy to treat mucoepidermoid carcinoma*
Katya Huseva, M.D., (PGY1)

Winter 2009 Project: *Bioengineered trachea implant development*
Juraj Berkovic, M.D., Head and Neck (H&N) Cancer Fellow

Winter 2006 Project: *Role of the Wnt pathway in oropharyngeal and hypopharyngeal cancer*
Ryan Raju, M.D., (PGY3)

Summer 2006 Project: *Histologic study of minor salivary glands of the palate and evaluation of the levels of expression of the WNT pathway in distinct types of salivary glands using human cadavers*

Carlos Villanueva, M.D., H&N Cancer Fellow

2. Lectures integrated in the Otorhinolaryngology Grand Rounds

- Spring 2015 **Title: A Paradigm Change in Cancer Screening: From Genotoxic Exposure to Tailored Risk Assessment**
Course 15D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Spring 2014 **Title: Using DNA damage to predict Head and Neck cancer risk**
Course 14D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Fall 2013 **Title: Translational Research: ongoing projects**
Course 13D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Fall 2012 **Title: Translational Research: ongoing projects**
Course 12D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Summer 2011 **Title: Novel DNA Damage Assay to Predict Oral Cancer Risk**
Course 11D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Summer 2010 **Title: Translational research in Otorhinolaryngology – are we there yet?**
Course 10D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Fall 2009 **Title: Salivary Gland Tumors: From Bed to Bench and ... Back?**
Course 9D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Spring 2007 **Title: Dysregulation of Wnt pathway components in salivary gland cancer.**
Course 7D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Spring 2006 **Title: Role of Wnt and NER pathways in salivary gland tumors**
Course 6D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Spring 2005 **Title: Role of MMS19 and WIF1 in salivary gland oncogenesis**
Course 5D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Spring 2004 **Title: Studies of MMS19 function and role in human cancer**
Course 4D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)
- Summer 2003 **Title: Technical tools to dissect biological questions**
Course 7D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)

Summer 2003 **Title: Cloning and functional analysis of human *MMS19* gene, a DNA repair and transcription modulator.**
Course 7D36 – Otorhinolaryngology, OUHSC
Role: Lecturer (1 h)

COLLEGE OF MEDICINE

Fall 2015 **Molecular Cell and Developmental Biology** (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA repair and Development
Role: Instructor (1.5 h)

Fall 2014 **Molecular Cell and Developmental Biology** (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA repair and Development
Role: Instructor (1.5 h)

Fall 2013 **Molecular Cell and Developmental Biology** (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA repair and Development
Role: Instructor (1.5 h)

Fall 2012 **Molecular Cell and Developmental Biology** (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA repair and Development
Role: Instructor (1.5 h)

Fall 2011 **Molecular Cell and Developmental Biology** (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA repair
Role: Instructor (1.5 h)

Fall 2010 **Molecular Cell and Developmental Biology** (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA damage, DNA repair and associated human hereditary diseases
Role: Instructor (1.5 h)

Fall 2009 **Molecular Cell and Developmental Biology** (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA damage, DNA repair and associated human hereditary diseases
Role: Instructor (1.5 h)

Spring 2008 **Molecular Genetics** (CELL 6331 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA repair pathways and associated human hereditary diseases
Role: Instructor (1.5 h)

Fall 2007 **Molecular Cell and Developmental Biology** (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC
Title: DNA repair pathways and associated human hereditary diseases
Role: Instructor (1.5 h)

Spring 2007	Molecular Genetics (CELL 6331 – Upper level graduate course), Department of Cell Biology, OUHSC <u>Title:</u> <i>DNA damage, DNA repair and human diseases</i> Role: Instructor (1.5 h)
Fall 2006	Molecular Cell and Developmental Biology (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC <u>Title:</u> <i>DNA damage, DNA repair and human diseases</i> Role: Instructor (1.5 h)
Fall 2005	Molecular Cell and Developmental Biology (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC <u>Title:</u> <i>DNA damage, DNA repair and human diseases</i> Role: Instructor (1.5 h)
Fall 2004	Introduction to Radiation Biology and Chemistry (RADI 5222 – Graduate course), Department of Radiological Sciences, OUHSC <u>Title:</u> <i>Cancer biology and response to ionizing radiation</i> Role: Instructor (1.5 h)
Fall 2004	Molecular Cell and Developmental Biology (CELL 6063 – Upper level graduate course), Department of Cell Biology, OUHSC <u>Title:</u> <i>NER pathways and implications for human diseases</i> Role: Instructor (1.5 h)
Summer 2004	Dermatology Residency Program – Clinical concepts (Course 4D35) Department of Dermatology, OUHSC <u>Title:</u> <i>Technical tools to dissect biological questions</i> Role: Lecturer (1 h)
Summer 2003	Dermatology Residency Program – Grand Rounds (Course 4D35) Department of Dermatology, OUHSC <u>Title:</u> <i>MMS19 gene – function and possible role in human cancer.</i> Role: Lecturer (1 h)

Mentoring and Advising

- Mentoring Otorhinolaryngology Residents and Fellows through the Residency and Fellowship Research Programs** constitutes the majority of my teaching responsibilities and takes approximately 40% of my time. The teaching provided is tailored to the specific, clinic or basic, research project chosen by the resident or fellow.

As the primary mentor, I provide individual orientation over a period of 4-5 years. I teach, train and guide the resident, or fellow, as he/she searches for a relevant research question, writes a formal grant application, obtains funding, performs bench work in my laboratory for 4-6 months, analyses the data, and writes manuscripts for peer-reviewed publication.

As additional mentor, I provide advice and expertise which is specifically described below for each project.

2010 – 2011 Primary Mentor for Katya Huseva, M.D., PGY2

Project title: “Targeting Wnt pathway as a novel strategy to treat mucoepidermoid carcinoma”

Laboratory Teaching: Dr. Huseva (1 month, to obtain preliminary data); *Project synopsis:* Wnt pathway regulates stem cell self-renewal and differentiation. WIF1, a Wnt inhibitor is down-regulated in MEC cancer stem cells. We aim to determine if WIF1 induces stem cell death and/or differentiation and could be a potential therapeutic agent for MEC.

Current Position: Academic Faculty, Plastic Surgeon, University of Florida, Tampa, FL

2010 – 2012

Primary Mentor for Ryan Raju, M.D., Head and Neck Cancer Fellow

Project title: “Role of HPV and Wnt pathway activation in oropharyngeal cancer prognosis”.

Funding Agency: Otorhinolaryngology Department, OUHSC

Laboratory Teaching: Dr. Raju (2 months); training and supervising a research assistant uniquely for this project (8 months); data collection and analysis (6 months)

Project synopsis: Oropharyngeal cancer patients were matched by age and smoking status with patients undergoing tonsillectomy for non-cancer reasons. HPV status and expression of Wnt components were determined and correlated with patients' demographics, clinical profiles and outcomes.

Current Position: Academic Faculty, Otorhinolaryngology, Scott & White Memorial Hospital/Temple Clinic, Temple, TX

2009 – 2011

Primary Mentor for Juraj Berkovic, M.D., Head and Neck Cancer Fellow

Project title: “Bioengineered trachea implant development”

Funding Agency: Otorhinolaryngology Department, OUHSC

Laboratory Teaching: Dr. Berkovic (6 months); Additional experiments, data collection and analysis (6 months);

Project synopsis: Stem cells were isolated from rat bone marrow, trachea and nasal structures, and differentiated *in vitro* into epithelial and cartilage lineages. A bioreactor was designed, manufactured and used to repopulate a porcine decellularized trachea scaffold with epithelia and chondrocytes. The structure and composition of new tracheal tissues was characterized.

Current Position: Head and Neck Surgeon, Louisiana State Health Science Center, Shreveport, LA.

2009 – 2010

Primary Mentor for Clay Borden, M.D., PGY4

Project title: Role of hyaluronic acid hydrogel in dexamethasone delivery across the round window membrane

Funding Agency: Otorhinolaryngology Department, OUHSC

Specific Role: I worked with the resident at every step from data collection to manuscript submission (8 months).

Project synopsis: A guinea pig model was used to determine if a hyaluronic-acid-based hydrogel is an efficient, stable and sustainable drug delivery system to the inner ear. We show that this approach can potentially reduce morbidity and costs associated with standard intra-tympanic treatment.

Current Position: Otolaryngologist, Otolaryngology Associates, Starkville, MS

2006 – 2009

Primary Mentor for Ryan Raju, M.D., PGY3

Project title: “Role of the Wnt pathway in oropharyngeal and hypopharyngeal cancer”

Funding Agency: American Academy of Otolaryngology – Head and Neck Surgery
Laboratory Teaching: Dr. Raju (6 months); Additional experiments, data collection and analysis (18 months);

Project synopsis: We demonstrated that activation of the Wnt pathway is common in pharyngeal squamous cell carcinoma and correlates with an increase in WNT1 expression. Furthermore, we show that the levels of Wnt activation determine the viability of pharyngeal tumor cells *in vitro*.

Current Position: Academic Faculty, Otorhinolaryngology, Scott & White Memorial Hospital/Temple Clinic, Temple, TX

2006 – 2008

Additional Mentor for Clay Borden, M.D., PGY3

Project title: Role of hyaluronic acid hydrogel in dexamethasone delivery across the round window membrane

Laboratory Teaching: Dr. Borden (4 months);

Specific Role: I provided guidance through project design and pilot experiments. Provided lab space and one-on-one training on design and performance of ELISA experiments, data collection and statistical analysis.

Current Position: Otolaryngologist, Otolaryngology Associates, Starkville, MS

2006 – 2008

Primary Mentor for Carlos Villanueva, M.D., Head and Neck Cancer Fellow

Project title: Histologic study of minor salivary glands of the palate and evaluation of the levels of expression of the WNT pathway in distinct types of salivary glands using human cadavers

Funding Agency: Otorhinolaryngology Department, OUHSC

Laboratory Teaching: Dr. Villanueva (2.5 months); data collection and analysis (6 months)

Project synopsis: Most salivary gland tumors are benign and occur in parotid. However, most tumors occurring in minor salivary glands are malignant. Using systematic salivary gland sampling from cadavers, we showed that Wnt activation varies between minor and major salivary glands and might contribute to frequency and location of malignant tumors.

Current Position: Surgeon, Loma Linda University Hospital, Loma Linda, CA

2003

Additional Mentor for Mike Shin, M.D., (PGY4)

Project title: “The role of cytokines in nasal polyp formation”

Funding Agency: American Academy of Otolaryngology-Head and Neck Surgery

Specific Role: I provided guidance through microarray data analysis and poster preparation.

Current Position: Otolaryngologist, Selma, CA

2. **Member of Otorhinolaryngology Research Proposal Committee** (As needed, I provide guidance during project design, grant proposal, project performance and manuscript preparation)

2011 – 2014	Chelsey Smith, M.D., ORL resident	Member
2011 – 2014	Brandon Pierson, M.D., ORL resident	Member
2011 – 2013	Sterling Riggs, M.D., ORL resident	Member
2011 – 2013	Adam Johnson, M.D., <i>Predicting treatment efficacy in head and neck cancer</i>	Primary Mentor/Chair
2011 – 2012	Betina Watkins, M.D., ORL resident	Member
2010 – 2012	Ryan Raju, M.D., H&N Fellow	Primary Mentor/Chair

	<i>Role of HPV and Wnt pathway activation in oropharyngeal cancer prognosis</i>	
2010 – 2012	Katya Huseva, M.D., ORL resident <i>Targeting Wnt pathway as a novel strategy to treat mucoepidermoid carcinoma</i>	Primary Mentor/Chair
2010 – 2012	Christopher Goff, M.D., ORL resident <i>The effect of medical malpractice lawsuits on the professional life, personal life, and psychological well-being of the otolaryngologist</i>	Member
2010 – 2012	Sterling Riggs, M.D., ORL resident <i>Analysis of PET-CT for cervical metastasis following chemo-radiation</i>	Member
2010 – 2012	Rachel Crain, M.D., ORL resident <i>Salvage surgery after organ preservation regimens</i>	Member
2009 – 2011	Rosser Powitzky, M.D., ORL resident <i>Laryngomalacia in the setting of vocal cord dysfunction</i>	Member
2009 – 2011	Amber Price, M.D., ORL resident <i>Perioperative anabolic steroids in cachectic cancer patients</i>	Member
2007 – 2011	Kymerly Caperton, M.D., ORL resident <i>Activation of serotonergic neurons during salicylate-induced tinnitus</i>	Member
2007 – 2011	Colby McLaurin, M.D., ORL resident <i>Decreased morbidity with closure of the tonsillar fossa</i>	Member
2007 – 2009	Marcia Eustaquio, M.D., ORL resident <i>Balance in children with bilateral cochlear implants</i>	Member
2009 – 2010	Clay Borden, M.D., ORL resident <i>Round window application of hyaluronic acid/dexamethasone gel in guinea pigs</i>	Primary Mentor/Chair
2007 – 2008	Jonathan Pillow, M.D., ORL resident <i>The safety and efficacy of the homeopathic medication Traumeel S for radiation-induced mucositis</i>	Member
2006 – 2008	Clay Borden, M.D., ORL resident <i>Round window application of hyaluronic acid/dexamethasone gel in guinea pigs</i>	Additional Mentor
2006 – 2009	Ryan Raju, M.D., ORL resident <i>Role of the Wnt pathway in oropharyngeal and hypopharyngeal cancer</i>	Primary Mentor/Chair
2006 – 2008	Carlos Villanueva, M.D., H&N Fellow <i>Histologic study of minor salivary glands of the palate and evaluation of the levels of expression of the WNT pathway in distinct types of salivary glands using human cadavers</i>	Primary Mentor/Chair
2005 – 2008	James Brawner, M.D., ORL resident <i>Urocortin expression in mouse cochlear nucleus and scarpa's ganglion</i>	Member
2005 – 2008	Nathan Hales, M.D., ORL resident <i>Is there a role for FDG-PET/CT in cytologically indeterminate thyroid nodules?</i>	Member
2005 – 2006	Justin McCoy, M.D., ORL resident <i>Treatment-related symptoms and depression in head and neck cancer patients</i>	Member
2004 – 2007	Kyle Kaneaster, M.D., ORL resident <i>Culture directed therapy for persistent otitis media</i>	Member

2004 – 2007	Hung Dang, M.D., ORL resident <i>Temporal bone resection for the treatment of malignant cancers adjacent to or invading into the temporal bone</i>	Member
2003 – 2006	Tariq Yunus, M.D., ORL resident <i>Recovery from uvulopalatopharyngoplasty</i>	Member
2003 – 2006	Cope Norcross, M.D., ORL resident <i>Sensitivity and specificity of UniCAP to fungal allergens</i>	Member
2003 – 2006	Scott Knappernberg, M.D., ORL resident <i>Endonasal stents in nasal fracture reduction</i>	Member
2002 – 2005	Gisela Graham-Wagner, M.D., ORL resident <i>Chemoresistance in oropharyngeal carcinoma</i>	Member
2002 – 2004	Teofilo Gozaine, M.D., ORL resident <i>Function of the laryngeal mechanoreceptors during vocalization</i>	Member
2002 – 2003	Mike Shin, M.D., ORL resident <i>The role of cytokines in nasal polyp formation</i>	Member

3. Mentoring Junior Faculty

2014 – present	Ilangovan Ramachandran, Ph.D., Assistant Professor Role: Mentor and Collaborator. Institution: Dr. ALM Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai, Tamil Nadu, India.
2013 – 2014	Ilangovan Ramachandran, Ph.D., Research Assistant Professor, Department of Otorhinolaryngology, OUHSC. Awarded COMMA seed grant entitled “Targeting the Cancer Stem Cells in Oral Cancer” in 2013. Role: Mentor and Collaborator. Current Position: Academic Faculty, Assistant Professor, Dr. ALM Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai, Tamil Nadu, India.
2011 – 2012	Kathleen N. Moore, M.D., Assistant Professor, Division of Gynecologic Oncology, Mai Eager Anderson Chair in Cancer Clinical Trials, University of Oklahoma Health Sciences Center Research Project: “Nucleotide Excision Repair Biomarkers in Ovarian Cancer” Role: Co-Mentor and Collaborator.
2010 – 2013	Nilesh Vasan, M.D., Assistant Professor Otorhinolaryngology Research Project: “Prognostic significance of biomarkers in management of papillary thyroid cancer” Role: Mentor and collaborator. I provide advice on project design and critical review of written grant proposals
2009 – 2012	Jose Sanclement, M.D., Assistant Professor Otorhinolaryngology Research Project: “Bioengineered trachea implant development” Role: Provided advice on project design, leadership in multidisciplinary meetings, and critical review of grant proposal; facilitated project development by providing guidance, training and lab space.

- 2009 – 2010 Nilesh Vasan, M.D., Assistant Professor Otorhinolaryngology
 Research Project: “Do BRAF mutations in FNAs of PTC predict paratracheal nodal spread?”
 Role: Provided advice on project design and critical review of grant proposal to be submitted to American Academy of Otolaryngology – Head and Neck Surgery Foundation
- Summer 2007 Kathleen N. Moore, M.D., Assistant Professor Gynecologic Oncology
 Research Project: “The Role of Ribonucleotide Reductase Regulatory Subunit 1 (RRM1) and Excision Repair Cross Complementation Group 1 (ERCC1) in Determining Chemosensitivity for Advanced Ovarian Cancer”
 Role: Provided advice on project design and critical review of research proposal. The project was funded by Gynecologic Cancer Foundation.

4. Mentoring Graduate Students

- 2016 – present Committee Chair – Jimmy Manyanga PhD student
 Program: Graduate Program in Biomedical Sciences (GPiBS)
 Institution: The University of Oklahoma Health Sciences Center
- 2014 – 2016 Mentor – Jimmy Manyanga, PhD student
 Program: Graduate Program in Biomedical Sciences (GPiBS)
 Institution: The University of Oklahoma Health Sciences Center
- Oct.-Dec/2015 Mentor – Celia Bouharati, PhD student (5th Year)
 Program: Diplome de Formation Approfondie en Sciences Pharmaceutiques
 Institution: Universite’ d’Auvergne, Facult’de Pharmacie, Clermont, France
- 2015 – present Mentor – Basil Mathew, MD student (2nd Year)
 Program: Medical School Research Program
 Institution: The University of Oklahoma Health Sciences Center
- 2014 – 2016 Primary Mentor and MS Committee member – Lacy S. Brame,
 Program: Biostatistics and Epidemiology Master Program
 Institution: The University of Oklahoma Health Sciences Center, OK
 Thesis named for Outstanding Thesis Award
- 2014 – 2015 Mentor – Jimmy Manyanga, PhD student
 Program: Graduate Program in Biomedical Sciences (GPiBS)
 Institution: The University of Oklahoma Health Sciences Center
- Summer 2014 Mentor – Lacy S. Brame, BS
 Program: EPSCoR awardee Summer Student
 Institution: The University of Oklahoma Health Sciences Center, OK
- Summer 2013 Mentor – Lacy S. Brame
 Program: Summer Undergraduate Research Experience Program (SURE)
 Institution: The University of Oklahoma Health Sciences Center, OK
- 2012 – present Participant, Graduate Research Seminars (every Tuesday, BSEB320, 1h); Course Cell6010
- 2012 – present Full Member of the Graduate Faculty in Cell Biology, University of Oklahoma Health Sciences Center, Oklahoma City, OK

- 2011 – present Full Member of the Graduate Faculty in Genetic Counseling, University of Oklahoma Health Sciences Center, Oklahoma City, OK
- Summer 2015 Dehra McGuire, MD student (2nd Year)
Program: Medical School ORL Summer Research Program
Summer Research Fellowship, Oklahoma Academy of Otolaryngology
Institution: The University of Oklahoma Health Sciences Center
- 2013 – 2014 Majd A. Kabbani, MD student (4th Year)
Program: Medical School Research Program
Institution: The University of Oklahoma Health Sciences Center
Current Position: General Surgery Resident, Boston Medical Center, Boston, MA
- Summer 2014 Clifton Woods, MD student (2nd Year)
Program: Medical School ORL Summer Research Program
Summer Research Fellowship, Department of Otorhinolaryngology
Institution: The University of Oklahoma Health Sciences Center
- 2013– 2014 Casey Butler, Medical Student (MS3), OUHSC
Program: Medical School ORL Summer Research Program
Institution: The University of Oklahoma Health Sciences Center
Won the Jesus E. Medina M.D. Award for Excellence Research by a Medical Student. Oral Presentation at the 1st Annual Department of Otorhinolaryngology Research Day, OUHSC, Oklahoma City, OK, April 12, 2014.
- 2012 – 2013 Member of the Qualifying Exam for Gary O’ Mealey and Michael Stuck. Read, evaluate and provide input to the Ph.D. grant proposal submitted by the student (written component of the exam). Assess whether the student as answered all concerns in a second version of the written proposal. Participate in the oral exam to evaluate the student specific knowledge in the field of graduation and overall knowledge in cell biology.
- 2012 – 2013 Member of Qualifying Exam Committee (QEC) for the Cell Biology Graduate Program. The committee members define the rules for all exams and are specifically involved in the evaluation and guidance of the Written and Oral exams of Ph.D. students.
- 2011 – 2014 Committee Member of the Clinical Translational Science Master's Program. Role: Co-mentor for LaToya J Perry, MD, Gynecologic Oncology Fellow.
- 2011 – 2014 LaToya J Perry, MD, Gynecologic Oncology Fellow; Student in Clinical Translational Science Master's Program
Project: *The role of chemokine C-C motif ligand-2 (CCL2) single nucleotide polymorphisms rs1860190 and rs4586 in platinum-resistant epithelial ovarian carcinoma (EOC)*
Role: *Co-mentor*
- 2012 (Summer) Casey Butler, Medical Student (MS1), OUHSC
Project: *Quantifying tobacco-induced DNA damage.*
Poster Presentation: *High Sensitivity Primer Anchored DNA Damage Detection Assay: Potential Use in Predicting Human Cancer Risk and Guiding Treatment.*
OU College of Medicine Student Research Symposium, January 23, 2013, OUHSC, Oklahoma.
Role: Mentor of Summer Research Project (2012)

- 2010 – 2012 Carly Allred, BSN, Medical Student (MS3), OUHSC
 Program: Medical School Research Program
 Institution: The University of Oklahoma Health Sciences Center
Project: *Bioengineered trachea implant development*
Summer Research Fellowship, Department of Otorhinolaryngology
 Role: Mentor of Summer Research Project (2010) and advisor (2010-2012).
 Current Position: General Surgery Resident, Inova Fairfax Hospital, Falls Church, VA
- 2009 – 2012 Pavithra Premkumar, Master Student in Genetic Counseling, OUHSC
Thesis topic: Role of single-nucleotide polymorphisms in DNA repair genes in ovarian cancer response to platinum-based chemotherapy.
 Role: Thesis Committee Member and Co-Mentor.
 I provided guidance in project design, data analysis, and thesis preparation.
- 2007 Lindsay M. Boeckman, Master Student in Biostatistics and Epidemiology (2007), College of Public Health, OUHSC
Thesis: General linear model approaches in a simulation study to explore the effects of inhibitory factors on tumor cell viability.
 Role: Additional mentor. This thesis focused in data obtained in my lab and was nominated for the campus thesis award. I worked extensively with Ms. Boeckman and her major advisory, to analyze all the variables in the initial set of data and the biological relevance of the study.
 Current position: Staff, Biostatistics and Epidemiology, College of Public Health, OUHSC
- 2007 Scott Shadfar, Medical Student (MS4), OUHSC
Project: *Expression of WNT signaling pathway and DNA repair genes in salivary gland tumor cells*
Summer Research Fellowship, Oklahoma Academy of Otolaryngology
 Role: Mentor of Summer Research Project and advisor.
 Current position: Otorhinolaryngology Resident, University of North Carolina, Chapel Hill, NC
- 2006 Brian Goentzel, Medical Student (MS2), OUHSC
Project proposal: *MMS19 splice variants and their impact on nucleotide excision repair and transcription in mammalian cells* received a Summer Fellowship Award from the Presbyterian Health Foundation Honors Research Program
 Role: Mentor of Summer Research Project and advisor.
 Current position: Anesthesiologist, Scott & White Healthcare, Temple TX
- 1997 – 1998 Soraya Bardien-Kruger, Ph.D Student, Department of Human Genetics, University of Cape Town, South Africa and McDermott Center, University of Texas Southwestern Medical Center, Dallas, TX.
Thesis: A molecular investigation of the novel gene underlying autosomal dominant retinitis pigmentosa in a South African family (1999)
 Role: As a visiting scientist in Dr. Mike Lovett's lab, The University of Texas Southwestern Medical Center at Dallas, TX, I guided Ms. Bardien-Kruger experimental work and gained co-authorship in that work.
 Current position: Principal Investigator, Faculty of Health Sciences, Stellenbosch University, Tygerberg, South Africa

1997 – 1998 Carla Lopes, Junior Scientist (equivalent to M.S. student) Portuguese Institute of Oncology F. G., Lisbon, Portugal and at The University of Texas Southwestern Medical Center at Dallas, TX
Thesis: Molecular characterization of the t(6;12)(q21-23;q13-15) recurrent translocation in salivary gland pleomorphic adenomas
Fellowship Award from Main Portuguese Funding Institution (JNICT)
Role: Primary Mentor
Current Position: Academic Faculty, Instituto de Investigacao e Inovacao em Saude, Instituto de Biologia Molecular e Cellular, Universidade do Porto, Porto, Portugal

5. Mentoring Undergraduate Students

- 2013-2014 Lacy S. Brame, B.S.,
Summer Undergraduate Research Experience Program (SURE),
The University of Oklahoma Health Sciences Center, OK
Won first prize for Best SURE Research Poster Presentation at the OUHSC, Summer Research Symposium, July 19, 2013, Oklahoma City, OK.
Won the Grand Price at the EPSCOR Research Day, (April 1st 2014) at the State Capitol, Oklahoma City, OK, April 12, 2014. This included a Merit Award with a \$7,000 prize, which includes a \$500 award + \$4,000 internship + \$2,500 award to the lab. Lacy competed with a total of 26 outstanding undergraduate students nominated by all Oklahoma college campus across Oklahoma State.
Role: Mentor for Summer Research Project (2013) and continuous work that supported two other presentations early in 2014 and culminated with the EPSCOR Research Fellowship during the summer of 2014.
Current position: MPH Student, OUHSC, OK
- 2012 (Summer) Matt Naifeh, B.S.
Project: *Down-regulation of Wnt inhibitory factor 1 is an early event in oropharyngeal cancer associated with tobacco-use*
Role: Mentor of Summer Research Project
- 2012 (Summer) Jeremiah Reasoner, Oklahoma Christian University
Program: Stephenson Cancer Center, Summer Research Scholarship Program for Undergraduate Students
Institution: The University of Oklahoma Health Sciences Center, OK
Project: *Mechanisms of WIF1 down-regulation in HNSCC.*
Role: Mentor of Summer Research Project
Current Position: Medical Student, The University of Oklahoma Health Sciences Center, OK
- Summer 2006 Frank Lee Boyd II, OKC Community College, OK
Program: INBRE Summer Undergraduate Research Program
Institution: The University of Oklahoma Health Sciences Center, OK
Current position: Pharmacist, OKC Department of Veterans Affairs Medical Center, VA, and The University of Oklahoma Health Sciences Center, OK
- Summer 2005 Lora Repp, Cameron University; Lawton, OK
Program: INBRE Summer Undergraduate Research Program
Institution: The University of Oklahoma Health Sciences Center, OK
Current position: Ph.D. Program at OUHSC, Oklahoma City, OK

- Summer 2004 Hermancia Eugene, Cameron University; Lawton, OK
 Program: INBRE Summer Undergraduate Research Program
 Institution: The University of Oklahoma Health Sciences Center, OK
Travel award to WTUAXM 11th Annual Student Research Conference in Canyon, TX (April, 2005)
 Current position: Academic Faculty, Biology, Dominica State College, Roseau, Dominica.
- Summer 2000 Elizabeth Amber Lutz, Oklahoma State University, OK
 Program: Undergraduate Research Fellowship Program (SURF)
 Institution: University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Academic Faculty, Board Certified Genetic Counselor; Research field: Prenatal screening.
- 1995 – 1996 Carla Lopes, Faculty of Sciences, University of Lisbon, Portugal
 Role: Mentor, Undergraduate Honor Thesis Fellowship, Portuguese Institute of Oncology F.G. and University of Lisbon, Portugal
 Thesis: *Cytogenetic characterization of salivary gland tumors.*
 Current Position: Academic Faculty, Instituto de Investigacao e Inovacao em Saude, Instituto de Biologia Molecular e Celular, Universidade do Porto, Porto, Portugal
- Summer 1995 Carla Lopes, Faculty of Sciences, University of Lisbon, Portugal
 Role: Mentor, Summer Undergraduate Research Fellowship, Portuguese Institute of Oncology F.G. and University of Lisbon, Portugal.

6. Mentoring High School Students

- 2013-2014 Sneha Sibimon
 Program: Undergraduate Research Program from Oklahoma School of Science and Mathematics, Oklahoma City, OK.
 Institution: The University of Oklahoma Health Sciences Center, OK
Project: *Quantifying tobacco-induced DNA damage in American Indians.*
 Role: Mentor
 Current Position: Biology Education Major with a Pre-Med focus at the University of Oklahoma, Norman, OK
- Summer 2001 Veronica Cantu, Skyline High School, Senior, Dallas, TX
 Program: Science Teacher Access to Resources at Southwestern (STARS) Summer Research Program
 Institution: University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Unknown

Mentoring Postdoctoral Fellows

- 2012 – present Vengatesh Ganapathy, Ph.D.
 Program: Postdoctoral Fellow, Department of Otorhinolaryngology
 Institution: The University of Oklahoma Health Sciences Center, OK
Won first prize for Best Postdoctoral Research Poster Presentation. Second annual Stephenson Cancer Center Research Symposium, March 29, 2013, Oklahoma City, OK.
- 2007 – 2013 Ilangovan Ramachandran, Ph.D.
 Program: Postdoctoral Fellow, Department of Otorhinolaryngology

Institution: The University of Oklahoma Health Sciences Center, OK
Won Best Postdoctoral Paper of Year 2012 at OUHSC.
Featured as Best Postdoctoral Fellow of the Month at OUHSC, 2012.
Won the 2011 Best Postdoctoral Research Award, OU College of Medicine Dean's Award for Scientific Achievement, OUHSC, OK.
Won Second Prize for Best Postdoctoral Research Poster Presentation at the Stephenson Cancer Center, Cancer Research Retreat, November 18, 2011, Oklahoma City, OK.
 Current Position: Academic Faculty, Assistant Professor, Dr. ALM Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai, Tamil Nadu, India.

- 2011 – 2012 Elangovan Thavathiru, Ph.D., Department of Otorhinolaryngology, OUHSC
 Program: Postdoctoral Fellow
 Institution: The University of Oklahoma Health Sciences Center, OK
 Current Position: Academic Researcher, Research Associate, Department of Gynecology, The University of Oklahoma Health Sciences Center, OK
- 2007 – 2008 Yonghong Yang, M.D., Ph.D.,
 Program: Postdoctoral Fellow, Department of Otorhinolaryngology, OUHSC
Travel Award to present a poster at the American Association for Cancer Research 99th Annual Meeting, San Diego, CA.
 Current Position: Academic Researcher, Research Associate, Department, Radiation Oncology, The University of Oklahoma Health Sciences Center, OK
- 2000 – 2002 Caixia Guo, Ph.D.
 Program: Postdoctoral Fellow, Department of Pathology
 Institution: University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Academic Faculty, University of Texas Southwestern Medical Center, Dallas, TX
- 2000 – 2002 Tianshu Gao, Ph.D.
 Program: Postdoctoral Fellow, Department of Pathology
 Institution: University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Academic Researcher, NCBI Genetic Testing Registry, University of Wisconsin, Madison

7. Mentoring Research Assistants

- 2013 – present Jeremy Jinkins, B.S.
 Program: Research Technician
 Institution: University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Research Assistant, Ophthalmology, The University of Oklahoma Health Sciences Center, OK
- 2010 – 2011 Eva Brabcova, M.S.
 Program: Part-Time Research Technician
 Institution: The University of Oklahoma Health Sciences Center, OK
 Current Position: Stay-home mom
- 2009 – 2012 Wilbur Kyle Mills, B.S.
 Program: Research Assistant
 Institution: The University of Oklahoma Health Sciences Center, OK

- Current Position: PhD student, University of California, Berkeley, CA; Awarded the NSF Ph.D. Fellowship, the most prestigious Ph.D. Fellowship in US
- 2004 – 2007 Melissa Morrison, M.S.
 Program: Research Assistant
 Institution: The University of Oklahoma Health Sciences Center, OK
 Current Position: Academic Faculty, Redlands Community College, El Reno, OK
- 2006 – 2007 Christopher Giberson, B.S.
 Program: Research Assistant
 Institution: The University of Oklahoma Health Sciences Center, OK
 Current Position: Unknown
- 2005 – 2006 David Obeso, M.S.
 Program: Research Assistant
 Institution: The University of Oklahoma Health Sciences Center, OK
 Current Position: Postdoctoral Research Associate, Stowers Institute for Medical Research, Kansas City, KS.
- 2005 – 2006 Hermancia Eugene, B.S.
 Program: Research Technician
 Institution: The University of Oklahoma Health Sciences Center, OK
 Current position: Academic Faculty, Biology, Dominica State College, Roseau, Dominica.
- 2003 – 2005 James R. Cook, BS
 Program: Research Assistant
 Institution: The University of Oklahoma Health Sciences Center, OK
 Current Position: D.D.S, Clarksville, AR.
- 2000 – 2002 Malini Rao, M.S.
 Program: Research Assistant
 Institution: The University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Research Associate, The University of Texas Southwestern Medical Center, Dallas, TX
- 2000 – 2002 Jeanetta Marshburn-Wynn
 Program: Research Technician
 Institution: The University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Research Assistant, University of Texas Southwestern Medical Center, Dallas, TX
- 2000 – 2002 Russell Daniel, B.S.
 Program: Research Technician
 Institution: The University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Medical Doctor; current position unknown.
- 2000 – 2002 Marzi Ranjbaran, M.S.
 Program: Research Assistant
 Institution: The University of Texas Southwestern Medical Center, Dallas, TX
 Current Position: Retired

Contributions to Continuing Education

- 2014 Judge, GREAT Postdoctoral Research Fellow Oral Presentation, April 2nd, 2014, Oklahoma City, OK
- 2013 Judge, GREAT Postdoctoral Research Fellow Oral Presentation, April 1st, 2013, Oklahoma City, OK
- 2014 – present Molecular Biology Tobacco-related Journal Club (by-monthly, 2h), OUHSC
- 2013 – present OTRC Journal Club (monthly, Children’s Hospital, A2 12995, 1h)
- 2012 – present Graduate Research Seminars (weekly, BSEB320, 1h); Course Cell 6010
- 2011 – present Stephenson Cancer Center Seminar Series, Biomedical Research Center Auditorium (weekly)
- 2006 – present Member, Multidisciplinary Research Conference (every other monthly) Goals: To review current projects going on in the department and to brainstorm for future research ideas
- 2005 – present Biochemistry & Cell Biology Seminar Series (weekly)
- 2005 – present Physiology Seminar Series Biomedical Research Center Auditorium (Monthly)
- 2004 – present Coordinator, Basic and Translational Research Journal Club (weekly)
- 2003 – 2005 Co-Coordinator, Otorhinolaryngology and Dermatology Research Meetings (monthly); Other PIs: Ann Thompson, Antonio Reis and Mark Naylor
- 2003 – present Maintenance of an up-to-date database of articles focused on head and neck topics for resident and faculty continuing education and knowledge dissemination purposes.
- 2003 – present Maintenance of an up-to-date database of articles, power point presentations, and other materials covering the entire proposal writing process for continuing education and knowledge dissemination purposes.
- 2002 – present Member, Head & Neck Journal Club (weekly)

PROFESSIONAL SERVICE

Department

- 2009 – present Director of Basic and Translational Research, Department of Otorhinolaryngology, University of Oklahoma Health Sciences Center, Oklahoma City, OK
I oversee the Otorhinolaryngology Residency and Fellowship Research Programs and provide mentoring support to Otorhinolaryngology Faculty on research projects. I assist residents, fellows and faculty in identifying the sources of funding, project design, proposal writing and submission, budget implementation, data analyze, and manuscript writing.
- 2006 – present Member, Multidisciplinary Cancer Research Meeting, Otorhinolaryngology Department. I provide basic and translational input to a multitude of projects in course or being designed. I provide advice on funding sources, data analysis and presentation, manuscript writing and submission.

- 2003 – present Director and Founder, Head and Neck Tissue Bank, Department of Otorhinolaryngology, The University of Oklahoma Health Sciences Center, Oklahoma City, OK
- Leadership role: I have set up and oversee the collection, annotation and storage of fresh frozen tissues and live cells. These are used to establish novel cell lines. I perform all the required steps to assure the ethical approval and the physical implementation of the approved protocols. I have established and oversee a database that links materials with demographic and epidemiological information. Our tissue bank has provided samples for OUHSC faculty and resident projects and led to the establishment of cell lines that have been distributed to different institutions around the world.
- 2003 – present Coordinator, Head and Neck Tissue Bank Multidisciplinary Meetings, Department of Otorhinolaryngology, The University of Oklahoma Health Sciences Center, Oklahoma City, OK
- I coordinate multidisciplinary teams (OUCI personnel, nurses, physicians, pathologists and lab personnel) to design, optimize and implement protocols to increase the number and quality of sample collection and annotation.
- 2003 – present Educational Administration and Leadership, Otorhinolaryngology Department, The University of Oklahoma Health Sciences Center, Oklahoma City, OK
- I established and co-ordinate the Basic and Translational Research Journal Club and co-founded and coordinate the joint Otorhinolaryngology and Dermatology Research Meetings; I provide supervision and direction for undergraduates, graduate and postdoctoral students, as well as residents and fellows; I coordinate most of the Otorhinolaryngology basic and translational research projects.
- 2003 – present I provide assistance to Institutional Review Board (IRB) and Institutional Animal Care and Use Committee (IACUC) protocol writing and submission. I trained and supervise a research project coordinator who since 2008 manages all Otorhinolaryngology IRB and IACUC protocols.
- 2003 – present I provide research training and laboratory space for medical students, residents, fellows, and faculty. I manage the funds associated with projects done by Otorhinolaryngology residents, fellows and faculty, and assist them with protocol improvement and cost saving measures.
- 2003 – present Member, Otorhinolaryngology Residency Applicants Interview Committee, The University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2003 – present Member of the Otorhinolaryngology Faculty Search Committee, The University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2002 – present Participant, Otorhinolaryngology Grand Rounds, Seminars and Journal Club, The University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2003 – present Member, Otorhinolaryngology Fellowship Research Program Advisory Committee, The University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2002 – present Member, Otorhinolaryngology Residency Research Program Advisory Committee, The University of Oklahoma Health Sciences Center, Oklahoma City, OK

College of Medicine/University

- 2013– present Interviewer, prospective GPiBS Students, GPiBS Admissions Committee
Oklahoma City, OK
- 2013 Juri, GREAT Postdoctoral Research Fellow Oral Presentation, April 1st, 2013,
Oklahoma City, OK
- 2013 Reviewer of Grant Proposals, College of Medicine Alumni Association (COMAA)
Review Panel, May 28, 2013, Oklahoma City, OK
- 2012 Invited participant, planning meeting for Stephenson Cancer Center Biospecimen
Core (January 30, 2012)
- 2012 – present Full Member of the Graduate Faculty in Cell Biology, University of Oklahoma
Health Sciences Center, Oklahoma City, OK
- 2012 – present Participant, Graduate Research Seminars; Course Cell6010
- 2012 – present Member of Qualifying Exam Committee (QEC) for the Cell Biology Graduate
Program.
- 2011 – present Committee Member of the Clinical Translational Science Master's Program.
- 2011 Co-Chair, Scientific Review Committee (Nov 17, 2011)
- 2011 – present Full Member of the Graduate Faculty in Genetic Counseling, University of
Oklahoma Health Sciences Center, Oklahoma City, OK
- 2010 – present Member, OUCI Scientific Review Committee (SRC), The University of Oklahoma
Health Sciences Center, Oklahoma City, OK
- 2010 – present Member, Oklahoma Center for Adult Stem Cell Research, Oklahoma Medical
Research Foundation, Oklahoma City, OK
- 2003 – present Member of the Peggy and Charles Stephenson Oklahoma Cancer Center (Associate
Member since 2011), appointment in the Basic Cancer Biology research program,
OUHSC, Oklahoma City, OK
- 2004 – 2009 Participant, INBRE Internal Advisory Committee Meeting (Quarterly), The
University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2006 – 2007 Member, INBRE Grant Review Panel
The University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 2004 – 2007 Participant, Oral Research Advancing the Life Sciences (ORALS) Program Internal
Advisory Committee Meeting (Weekly), The University of Oklahoma Health
Sciences Center, Oklahoma City, OK
- Spring 2005 Participant, Oral Research Advancing the Life Sciences (ORALS) Program
External Committee Meeting, The University of Oklahoma Health Sciences
Center, Oklahoma City, OK
- 2003 – 2006 Member, Dean's Assistant Professor Advisory Group, The University of Oklahoma
Health Sciences Center, Oklahoma City, OK
- 2006 Member, OU Cancer Center American Cancer Society Seed Grant Review Panel,
at The University of Oklahoma Health Sciences Center, Oklahoma City, OK

- Summer 2006 Participant, INBRE External Advisory Committee Meeting, University of Central Oklahoma, June 5, Edmond, OK
- Summer 2005 Participant, INBRE External Advisory Committee Meeting, The University of Oklahoma Health Sciences Center, June 10, Oklahoma City, OK
- Fall 2004 Participant, INBRE External Advisory Committee Meeting, Southwestern Oklahoma State University, November 30, Weatherford, OK

Editorial Services

(Ad hoc reviewer)

- 2013 – present **Editor**, Journal of Oral Oncology
- 2013 – present PLOS One
- 2013 – present Cancer
- 2013 – present Cancer Research
- 2013 – present Evidence-Based Complementary and Alternative Medicine
- 2011 – present International Journal of Cancer
- 2010 – present Journal of Dental Research
- 2010 – present Oral Diseases
- 2009 – present Journal of Oral Pathology & Medicine
- 2008 – present Archives of Oral Biology
- 2008 – present Molecular Cancer
- 2006 – present Archives of Otolaryngology-Head & Neck Surgery
- 2000 – present DNA Repair
- 1998 – present Genes Chromosomes & Cancer
- 1998 – present Oncogene
- 1998 – 2002 Molecular and Cellular Biology
- 1998 – 2002 Molecular Biology
- 2000 Cell

National/International Service

- 2010 – 2014 Consultant for the National Salivary Gland Tumor and Cell Line Biorepository, housed at MD Anderson Cancer Center Houston, TX.
- 2007 – present Affiliated researcher, Adenoid Cystic Carcinoma Research Foundation (ACCRF); Invited to contribute to the adenoid cystic carcinoma cell line development project; participant in ACCRF research group discussions; participant on ACCRF research conference calls (quarterly).
- 2003 – present Research leadership, salivary gland cell line development and distribution. Our cell lines are unique and have proven to be a very valuable resource for scientists

around the world. These and other resources developed in our lab originated many MTAs with institutions in US and abroad.

- Winter 2000 Participant, National Cancer Institute Leukemia, Lymphoma And Myeloma Progress Review Group, National Institutes of Health/National Cancer Institute, Chantilly, VA
- 1999 – present Scientific Advisor, Patients Against Lymphoma (PAL)

FACULTY DEVELOPMENT

- May 6, 2016 The Curriculum Vitae: Representing Your Academic “Pedigree*,” Presence, Productivity and Potential. Presented by Dr. Valerie Williams, Vice Provost for Academic Affairs and Faculty Development. OUSHC.
- April 8, 2016 Preparing for Academic Advancement: Moving from Associate to Professor. Presented by Dr. Valerie Williams, Vice Provost for Academic Affairs and Faculty Development. OUHSC.
- March 30, 2016 Teaching What Matters – The Role of Role Modeling. Dr. Crouse presented at ORL Grand Rounds. OUHSC.

MTAs with National and International Institutions: We have provided on a collaborative basis cell lines and other resources established in our lab for use in the following research studies. A manuscript resultant from these collaborations has been already published.

2013-present

1. *To Test ACC-52 and ACC-112 cell lines’ responsiveness to or inhibition by various antimicrobial peptides/agents.*
Yvonne L. Kapila, DDS, PhD, Dipl ABP, Professor, Department of Periodontics and Oral Medicine, University of Michigan School of Dentistry, Ann Arbor, MI.

2012-present

2. *To use cell lines UTSW-ACC52, UTSW- ACC112, UTSW-CaPA79, UTSW-PA125, UTSW-PA37 and UTSW-MEC49 For in vitro and in vivo studies to identify/validate mutations or protein aberrations in salivary gland tumors.*
Nisha D’Silva, MSD, Ph.D., University of Michigan, Ann Arbor, MI.
3. *Perform all comparison and characterization of the authenticity of cell lines; MEC49T, EMC23T, PA116, PA125, PA37, CAXPA7.*
Adel K. El-Naggar, M.D., Department of Pathology-Research, UT MD Anderson Cancer Center, Houston, TX.
4. *In vitro assays to check MMS19 effects on homologous recombination.*
Drs. Patrick Sung and Md Nurul Islam, Associate Research Scientist, Yale University School of Medicine Dept of Molecular Biophysics and Biochemistry, New Haven, CT.
5. *To characterize the chromatin landscape in adenoid cystic carcinoma tumors (cell lines, ACC52 and ACC112), characterized by MYB translocation by using genome-wide ChIP-Seq. MYB-DNA binding sites will be mapped and correlated with the chromatin state map.*

Drs. Birgit Knoechel and Bradley Bernstein, Dana-Farber Cancer Inst/Mass. Gen. Hosp., Boston, MA

2011-present

6. *To use ACC52 and ACC112 cell lines developed by our lab for various research projects.*
Christopher Moskaluk, MD., Ph.D., Professor, Department of Pathology, University of Virginia Health System, Charlottesville, VA.
7. *To use ACC52 and ACC112 cell lines developed by our lab to screen for mutations of tumor suppressors and oncogenes*
Daniel Wetterskog, Ph.D., Postdoctoral Fellow, Molecular Pathology, The Breakthrough Breast Cancer Research Centre The Institute of Cancer Research, Royal Cancer Hospital, UK
8. *To assess methylation markers in mucoepidermoid cancer cell lines.*
Patrick Ha, M.D., Assistant Professor, Johns Hopkins Department of Otolaryngology Johns Hopkins University, Baltimore, MD
9. *To use human salivary gland tumor cell lines established in our lab for focused research on the mechanisms of development of salivary gland tumors.*
Patrick Ha, M.D., Assistant Professor, Johns Hopkins Department of Otolaryngology Johns Hopkins University, Baltimore, MD

2010-present

10. *To use human salivary gland cell lines established in our lab for the development and profiling of human-in-mouse models of salivary gland carcinoma.*
Wendell G. Yarbrough, MD, FACS, MMHC, Ingram Professor of Cancer Research, Associate Professor Otolaryngology and Cancer Biology, Director, Barry Baker Laboratory for Head and Neck Oncology Vanderbilt University, Nashville, Tennessee.
11. *To study the mechanism of action underling the EGFR targeted therapy using human salivary gland cell lines established in our lab.*
Osamu Tetsu, M.D., Ph.D., Assistant Professor, University of California San Francisco, San Francisco, CA.
12. *To use human salivary gland cell lines established in our lab to study the crosstalk between tumor-associated endothelial cells and salivary gland tumor cells.*
Jacques Eduardo Nor, D.D.S., M.S., Ph.D., Professor of Dentistry and Otolaryngology, University of Michigan Medical School, Ann Arbor, MI.
13. *To assay the human salivary gland cell lines established in our lab for the MYB-NFIB translocation*
Christopher A. Moskaluk, M.D., Ph.D., David Harrison Distinguished Teaching Professor of Pathology, Deptment of Pathology, University of Virginia Health System, Charlottesville, VA.
14. *To assay the human salivary gland cell lines established in our lab for the MYB break apart by FISH.*
Christopher A. Moskaluk, M.D., Ph.D., David Harrison Distinguished Teaching Professor of Pathology, Department of Pathology, University of Virginia Health System, Charlottesville, VA.
15. *To work-up RT-PCR assays for the MYB transgene using the human salivary gland cell lines established in our lab.*

Christopher A. Moskaluk, M.D., Ph.D., David Harrison Distinguished Teaching Professor of Pathology, Department of Pathology, University of Virginia Health System, Charlottesville, VA.

16. *To grow the human salivary gland cell lines established in our lab as xenografts to see that ACC morphology was retained.*
Christopher A. Moskaluk, M.D., Ph.D., David Harrison Distinguished Teaching Professor of Pathology, Department of Pathology, University of Virginia Health System, Charlottesville, VA.
17. *To use the human salivary gland cell lines established in our lab as a disease model to look for tumor suppressor genes silenced through methylation.*
Patrick Ha, M.D., Assistant Professor, Johns Hopkins Department of Otolaryngology Johns Hopkins University, Baltimore, MD.
18. *To treat the human salivary gland cell lines established in our lab with demethylating agents to look for potential cancer suppressor genes that are silenced.*
Patrick Ha, M.D., Assistant Professor, Johns Hopkins Department of Otolaryngology Johns Hopkins University, Baltimore, MD.

2009-present

19. *To use MMS19 polyclonal antibodies developed by our lab to investigate the endogenous binding of a novel protein to MMS19*
Jiri Bartek, M.D., Ph.D., Professor, Head, Department of Cell and Cancer, Institute of Cancer Biology, Danish Cancer Society, DK-2100 Copenhagen.
20. *To use cell lines stably expressing MMS19 constructs developed by our lab to study the subcellular localization and dynamics of a novel MMS19 binding protein upon DNA damage*
Jiri Bartek, M.D., Ph.D., Professor, Head, Department of Cell and Cancer, Institute of Cancer Biology, Danish Cancer Society, DK-2100 Copenhagen.
21. *To use MMS19 polyclonal antibodies developed by our lab to analyze the binding region of a novel MMS19 protein interaction.*
Jiri Bartek, M.D., Ph.D., Professor, Head, Department of Cell and Cancer, Institute of Cancer Biology, Danish Cancer Society, DK-2100 Copenhagen.
22. *To use the human salivary gland cell lines established in our lab to determine the molecular mechanisms responsible for abnormal CD43 expression in adenoid cystic carcinoma.*
Simon Shelley, Ph.D, Director, Hematology/Oncology Research, Gunderson Lutheran Medical Foundation Gunderson Lutheran Medical Foundation HSC, La Crosse, WI.
23. *To determine the potential therapeutic efficacy of suppressing CD43 expression in adenoid cystic carcinoma using the human salivary gland cell lines established in our lab.*
Simon Shelley, Ph.D, Director, Hematology/Oncology Research, Gunderson Lutheran Medical Foundation Gunderson Lutheran Medical Foundation HSC, La Crosse, WI.

2007-present

24. *To use the human salivary gland cell lines established in our lab to determine the effect of CHD5 gene expression on the motility of adenoid cystic carcinoma cells.*
Adel K. El-Naggar, M.D., Professor, Department of Pathology and Laboratory Medicine, The University of Texas M.D. Anderson Cancer Center, Houston, TX.
25. *To use the human salivary gland cell lines established in our lab for the screening of compounds with known or putative anti-cancer activity*

Jeffrey Settleman, Ph.D., Professor of Medicine, Director, Center for Molecular Therapeutics
MGH Cancer Center Harvard Medical School, Massachusetts General Hospital Cancer
Center, Charleston, MA.

26. *To study tetraiodothyroacetic acid (tetrac) as an inhibitor of adenoid cystic carcinoma using
the human salivary gland cell lines established in our lab*

Paul Davis, M.D., Director, Ordway Research Institute Inc., Senior Associate Dean for
Clinical Research, Albany Medical College, Albany, NY.

2006-present

27. *To use our human salivary gland cell lines to screen for expression of specific growth factor
signaling proteins*

Jeffrey N. Myers, M.D., Ph.D., F.A.C.S., Professor and Director of Research, Deputy Chair
for Academic Programs, Department of Head and Neck Surgery, The University of Texas M.
D. Anderson Cancer Center, Houston, TX.

28. *To use our human salivary gland cell lines to determine the effect of growth factor signaling
inhibitors on the growth of salivary gland ACC in an orthotopic nude mouse model of ACC of
the parotid gland*

Jeffrey N. Myers, M.D., Ph.D., F.A.C.S., Professor and Director of Research, Deputy Chair
for Academic Programs, Department of Head and Neck Surgery, The University of Texas M.
D. Anderson Cancer Center, Houston, TX.

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