

## CURRICULUM VITAE

### **Tony E. Godfrey, Ph.D.**

**Current Position:** Associate Professor of Surgery  
University of Rochester Medical Center  
Rochester, NY.

**Professional Address:** James P. Wilmot Cancer Center  
601 Elmwood Avenue  
Box 704  
Rochester, NY 14642.

**Date of Birth:** February 15, 1967

**Nationality:** English (Permanent US Resident status)

#### **Education:**

**1994** Ph.D. IN MOLECULAR BIOLOGY/BIOCHEMISTRY.  
Brunel University, England (research was carried out at the University of Southern California, Los Angeles).

**1989** B.Sc. HONORS DEGREE IN BIOCHEMISTRY.  
Brunel University, England.

#### **Academic Appointments:**

- 2008-present** Associate Professor of Surgery, University of Rochester Medical Center, Rochester, NY.
- 2004-2008.** Associate Professor of Pathology, Mount Sinai School of medicine, New York, NY.
- 2004-Present.** Adjunct Assistant Professor of Surgery, University of Pittsburgh.
- 1999- 2004.** Assistant Professor of Surgery and Human Genetics, University of Pittsburgh
- 1999- 2004.** Director, University of Pittsburgh Cancer Institute TaqMan Core Facility.
- 1997-1999.** Research specialist and Manager of the Genome Analysis Core Facility at UCSF.
- 1995-1997.** Post Doctoral Fellow in the laboratory of Dr. Joe Gray at UCSF.
- 1993-1995.** Post Doctoral Fellow in the laboratory of Dr. Ron Jensen at UCSF.
- 1989-1993.** Graduate student with Dr. Colin Hill at the University of Southern California.

#### **Other Employment/Appointments:**

**2002-2006.** Scientific Advisory Board, Cepheid, Sunnyvale CA.

## **Review Activities:**

### **Grants:**

#### **NIH/NCI**

**2004** Reviewer for ZRG1 special emphasis panel, September 2004.

**2005** Reviewer for “Innovative Technologies for Molecular Analysis of Cancer” June 14-15, 2005.

#### **NCIC (National Cancer Institute of Canada)**

2008 Head and neck cancer program project reviewer

### **Other**

**2003 and 2004-** External grant reviewer for the South Carolina Research Centers of Economic Excellence Endowed Professorship Program

### **Journals:**

Ad-hoc reviewer for Biotechniques

Ad-hoc reviewer for Clinical Chemistry

Ad-hoc reviewer for Journal of Molecular Diagnostics

Ad-hoc reviewer for European Journal of Cancer

Ad-hoc reviewer for Head and Neck

Ad-hoc reviewer for Cancer Letters

Ad-hoc reviewer for Oncogene

Ad-hoc reviewer for Clinical Cancer Research

Ad-hoc reviewer for Diseases of the Esophagus

Ad-hoc reviewer for Journal of Hepatology

Ad-hoc reviewer for Cancer Research

Ad-hoc reviewer for the Journal of Thoracic and Cardiovascular Surgery

Ad-hoc reviewer for PNAS

### **Teaching/Mentoring.**

Siva Raja, M.D./Ph.D., Graduate Student, 1999-2003.

Luis Herrera, M.D., Surgery Resident Research Fellow, 2001-2002.

Michael Coello, M.D., Surgery Resident Research Fellow, 2002-2004.

Melissa Chestney, BS., Summer Student, 2001.

Xin Huang, Ph.D. Graduate student and Post Doctoral Fellow 2000-2004

Danial Nicastri, M.D., Surgery Resident Research Fellow 2005-2006

Cristina Mangas, M.D., Visiting fellow 2005-2006

Ivy Altomare, M.D., Medical Oncology Research Fellow 2006-Present

Jon Chan, BS., Medical student 2006-present

Andrew Feber, Ph.D. Post-doctoral fellow 2005-2008

Vanita Gupta, Ph.D. Post Doctoral Fellow 2006-2008

### **Publications:**

1. **Godfrey, T. E.**, Ikebuchi, M., Reynolds, R. J., and Hill, C. K. Characterization of a mammalian cell line that exhibits spontaneous and ultraviolet light-induced hypermutability while retaining resistance to cell killing by ultraviolet light. *Int.J.Radiat.Biol.*, 67: 661-670, 1995.

2. **Godfrey, T. E.**, Cher, M. L., Chhabra, V., and Jensen, R. H. Allelic imbalance mapping of chromosome 16 shows two regions of common deletion in prostate adenocarcinoma. *Cancer Genet.Cytogenet.*, *98*: 36-42, 1997.
3. Collins, C., Rommens, J. M., Kowbel, D., **Godfrey, T.**, Tanner, M., Hwang, S. I., Polikoff, D., Nonet, G., Cochran, J., Myambo, K., Jay, K. E., Froula, J., Cloutier, T., Kuo, W. L., Yaswen, P., Dairkee, S., Giovanola, J., Hutchinson, G. B., Isola, J., Kallioniemi, O. P., Palazzolo, M., Martin, C., Ericsson, C., Pinkel, D., Gray, J. W., and . Positional cloning of ZNF217 and NABC1: genes amplified at 20q13.2 and overexpressed in breast carcinoma. *Proc.Natl.Acad.Sci.U.S.A.*, *95*: 8703-8708, 1998.
4. Fejzo, M. S., **Godfrey, T.**, Chen, C., Waldman, F., and Gray, J. W. Molecular cytogenetic analysis of consistent abnormalities at 8q12-q22 in breast cancer. *Genes Chromosomes.Cancer*, *22*: 105-113, 1998.
5. Hiraguri, S., **Godfrey, T.**, Nakamura, H., Graff, J., Collins, C., Shayesteh, L., Doggett, N., Johnson, K., Wheelock, M., Herman, J., Baylin, S., Pinkel, D., and Gray, J. Mechanisms of inactivation of E-cadherin in breast cancer cell lines. *Cancer Res.*, *58*: 1972-1977, 1998.
6. Kim, S. H., **Godfrey, T.**, and Jensen, R. H. Whole genome amplification and molecular genetic analysis of DNA from paraffin-embedded prostate adenocarcinoma tumor tissue. *J.Urol.*, *162*: 1512-1518, 1999.
7. Shayesteh, L., Lu, Y., Kuo, W. L., Baldocchi, R., **Godfrey, T.**, Collins, C., Pinkel, D., Powell, B., Mills, G. B., and Gray, J. W. PIK3CA is implicated as an oncogene in ovarian cancer. *Nat.Genet.*, *21*: 99-102, 1999.
8. **Godfrey, T. E.**, Kim, S. H., Chavira, M., Ruff, D. W., Warren, R. S., Gray, J. W., and Jensen, R. H. Quantitative mRNA expression analysis from formalin-fixed, paraffin-embedded tissues using 5' nuclease quantitative reverse transcription- polymerase chain reaction. *J.Mol.Diagn.*, *2*: 84-91, 2000.
9. Raja, S., Luketich, J. D., Kelly, L. A., Ruff, D. W., and **Godfrey, T. E.** Increased sensitivity of one-tube, quantitative RT-PCR. *Biotechniques*, *29*: 702, 704, 706, 2000.
10. Ginzinger, D. G., **Godfrey, T. E.**, Nigro, J., Moore, D. H., Suzuki, S., Pallavicini, M. G., Gray, J. W., and Jensen, R. H. Measurement of DNA copy number at microsatellite loci using quantitative PCR analysis. *Cancer Res.*, *60*: 5405-5409, 2000.
11. Suzuki, S., Moore, D. H., Ginzinger, D. G., **Godfrey, T. E.**, Barclay, J., Powell, B., Pinkel, D., Zaloudek, C., Lu, K., Mills, G., Berchuck, A., and Gray, J. W. An approach to analysis of large-scale correlations between genome changes and clinical endpoints in ovarian cancer. *Cancer Res.*, *60*: 5382-5385, 2000.
12. Tassone, F., Hagerman, R. J., Taylor, A. K., Gane, L. W., **Godfrey, T. E.**, and Hagerman, P. J. Elevated levels of FMR1 mRNA in carrier males: a new mechanism of involvement in the fragile-X syndrome. *Am.J.Hum.Genet.*, *66*: 6-15, 2000.
13. Moore, L., **Godfrey, T.**, Eng, C., Smith, A., Ho, R., and Waldman, F. M. Validation of fluorescent SSCP analysis for sensitive detection of p53 mutations. *Biotechniques*, *28*: 986-992, 2000.
14. Weiss, W. A., **Godfrey, T.**, Francisco, C., and Bishop, J. M. Genome-wide screen for allelic imbalance in a mouse model for neuroblastoma. *Cancer Res.*, *60*: 2483-2487, 2000.
15. Bastian, B. C., Kashani-Sabet, M., Hamm, H., **Godfrey, T.**, Moore, D. H., Brocker, E. B., LeBoit, P. E., and Pinkel, D. Gene amplifications characterize acral melanoma and permit the detection of occult tumor cells in the surrounding skin. *Cancer Res.*, *60*: 1968-1973, 2000.

16. **Godfrey, T. E.**, Raja, S., Finkelstein, S. D., Gooding, W. E., Kelly, L. A., and Luketich, J. D. Prognostic value of quantitative reverse transcription-polymerase chain reaction in lymph node-negative esophageal cancer patients. *Clin.Cancer Res.*, 7: 4041-4048, 2001.
17. Raja, S., Finkelstein, S. D., Baksh, F. K., Gooding, W. E., Swalsky, P. A., **Godfrey, T. E.**, Buenaventura, P. O., and Luketich, J. D. Correlation between dysplasia and mutations of six tumor suppressor genes in Barrett's esophagus. *Ann.Thorac.Surg.*, 72: 1130-1135, 2001.
18. Simmons, M. L., Lamborn, K. R., Takahashi, M., Chen, P., Israel, M. A., Berger, M. S., **Godfrey, T.**, Nigro, J., Prados, M., Chang, S., Barker, F. G., and Aldape, K. Analysis of complex relationships between age, p53, epidermal growth factor receptor, and survival in glioblastoma patients. *Cancer Res.*, 61: 1122-1128, 2001.
19. Raja, S., Luketich, J. D., Kelly, L. A., Gooding, W. E., Finkelstein, S. D., and **Godfrey, T. E.** Rapid, quantitative reverse transcriptase-polymerase chain reaction: application to intraoperative molecular detection of occult metastases in esophageal cancer. *J.Thorac.Cardiovasc.Surg.*, 123: 475-482, 2002.
20. Aldape, K., Ginzinger, D. G., and **Godfrey, T. E.** Real-time quantitative polymerase chain reaction: a potential tool for genetic analysis in neuropathology. *Brain Pathol.*, 12: 54-66, 2002.
21. Rajs.S., El-Hefnawy, T., Kelly, L. A., Chestney, M., Luketich, J. D., and **Godfrey, T. E.** A temperature controlled primer limit for multiplexing of rapid, quantitative RT-PCR assays: Application to intra-operative cancer diagnostics. *Clinical Chemistry Vol. 48 Issue 8*, 2002.
22. Huang, X., Gollin, S. M., Raja, S., and **Godfrey, T. E.** High resolution mapping of the 11q13 amplicon and identification of a new gene, TAOS1, that is amplified and overexpressed in oral cancer cells. *Proc.Natl.Acad.Sci.U.S.A . Vol.99 Issue 17*: 2002.
23. Raja, S., **Godfrey, T.E.** and Luketich, J.D. The role of tumor suppressor genes in esophageal cancer. *Minerva Chir.* 2002 Dec;57(6):767-80. Review.
24. Collins, J. L., Vodovotz, Y., Hierholzer, C., Villavicencio, R. T., Liu, S., Alber, S., Gallo, D., Stoltz, D. B., Watkins, S. C., **Godfrey, T. E.**, Gooding, W. E., Kelly, E., Peitzman, A. B., and Billiar, T. R. Characterization of the Expression of Inducible Nitric Oxide Synthase in Rat and Human Liver during Hemorrhagic Shock. *Shock*, 19: 117-122, 2003.
25. Makhija, S., Sit, A., Edwards, R., Aufman, K., Weiss, H., Kanbour-Shakir, A., Gooding, W., D'Angelo, G., Ferrell, R., Raja, S., and **Godfrey, T. E.** Identification of Genetic Alterations Related to Chemoresistance in Epithelial Ovarian Cancer. *Gynecologic Oncology*, 90: p3-9, 2003.
26. El-Hefnawy, T., Raja, S., Kelly, L.A., Bigbee, W.L., Kirkwood, J.M., Luketich, J.D. and **Godfrey, T.E.** Characterization of Amplifiable, Circulating RNA in Plasma and its Potential as a Tool for Cancer Diagnostics. *Clinical Chemistry*; 50: 564 – 573, 2004.
27. Coello, M., Luketich, J.D., Litle, V.R., **Godfrey, T.E.** Prognostic Significance of Micrometastasis in Non-Small Cell Lung Cancer. *Clinical Lung Cancer*, 5 (4); 214-225, 2004.
28. Wang, J., Xi, L., Hunt, J.L., Whiteside, T.L., **Godfrey, T.E.** and Ferris, R.L. Coordinate Expression of Chemokine Receptor 6 (CCR6) and CCR7 in Squamous Cell Carcinoma of the Head and Neck – Identification of a Metastatic Phenotype. *Cancer Research*: 64, 1861-1866, 2004.
29. Lyons-Weiler J, Patel S, Becich MJ, **Godfrey TE.** Tests for Finding Complex Patterns of Differential Expression in Cancers: Towards Individualized Medicine. *BMC Bioinformatics.* 2004 Aug 12;5(1):110

30. Luis J. Herrera, Siva Raja, William E. Gooding, Talal El-Hefnawy, Lori Kelly, James D. Luketich and **Tony E. Godfrey**. Quantitative Analysis of Circulating Plasma DNA Levels as a Tumor Marker in Thoracic Malignancies. *Clinical Chemistry*, 51(1): 113-118, 2005.
31. Wang J, Xi L, Gooding W, **Godfrey TE**, Ferris RL. Chemokine receptors 6 and 7 identify a metastatic expression pattern in squamous cell carcinoma of the head and neck. *Adv Otorhinolaryngol*. 2005; 62:121-33.
32. Xi, L, Luketich, JD, Raja, S, Gooding, W, Litle, VR, Coello, MC, Finkelstein, SD, Chestney, ML, Landreneau, RJ, Hughes SJ, **Godfrey, TE**. Molecular Staging of Lymph Nodes from Patients with Esophageal Adenocarcinoma. *Clinical Cancer Research* 2005; Feb 1;11(3):1099-109.
33. Luis J. Herrera, Talal El-Hefnawy, Pierre E. Queiroz de Oliveira , Siva Raja, Sydney Finkelstein, William Gooding, James D. Luketich, **Tony E. Godfrey** and Steven J. Hughes. The HGF Receptor c-Met Is Overexpressed in Esophageal Adenocarcinoma. *Neoplasia* 2005 Jan;7(1):75-84
34. Michael T. Lotze, Ena Wang, Francesco M. Marincola, Nabil Hanna, Peter J. Bugelski, Christine A. Burns, George Coukos, Nitin Damle, **Tony E. Godfrey**, W. Martin Howell, Monica C. Panelli, Michael A. Perricone, Emanuel F. Petricoin, Guido Sauter, Carmen Scheibenbogen, Steven C. Shivers, D. Lansing Taylor, John N. Weinstein, and Theresa L. Whiteside. Report from the International Society for the Biologic Therapy of Cancer Workshop on Cancer Biometrics: Identifying Biomarkers and Surrogates of Tumors in Patients. *J. Immunother*. 2005 March/April; 28(2):79-119.
35. Robert L. Ferris, Liqiang Xi, Siva Raja, Jennifer L. Hunt, Jun Wang, William E. Gooding, Lori Kelly, Jesus Ching, James D. Luketich, **Tony E. Godfrey**. Molecular Staging of Cervical Lymph Nodes in Squamous Cell Carcinoma of the Head and Neck. *Cancer Research* 2005 Mar 15;65(6):2147-56.
36. Liqiang Xi, James Lyons-Weiler, Michael C. Coello, Xin Huang, William E. Gooding, James D. Luketich, **Tony E. Godfrey**. Prediction of Lymph Node Metastasis by analysis of Gene Expression Profiles in Primary Lung Adenocarcinomas. *Clinical Cancer Research* 2005 Feb 1;11(3):1099-109.
37. Siva Raja, Jesus Ching, Liqiang Xi, Steven J. Hughes, Ronald Chang, Wendy Wong, William McMillan, William E. Gooding, Kenneth S. McCarty Jr., Melissa Chestney, James D. Luketich, and **Tony E. Godfrey**. A New Technology for Automated, Rapid, and Quantitative PCR or RT-PCR Clinical Testing. *Clinical Chemistry* 2005; 51:5.
38. Kuss I., Schaefer C., **Godfrey T.E.**, Ferris R.L., Harris J.M., Gooding W.E. and Whiteside T.L. Recent thymic emigrants and subsets of naive and memory T cells in the circulation of patients with head and neck cancer. *Clinical Immunology* 2005 Jul; 116(1):27-36.
39. Steven J. Hughes, Liqiang Xi, Siva Raja, William Gooding, David J. Cole, William E. Gillanders, Keidi Mikhitarian, Kenneth McCarty, Susan Silver, Jesus Ching, William McMillan, James D. Luketich, and **Tony E. Godfrey**. A Rapid, Fully-Automated, Molecular-Based Assay Accurately Analyzes Sentinel Lymph Nodes for the Presence of Metastatic Breast Cancer. *Annals of Surgery*, 2006 Mar;243(3):389-398.
40. Asif Khalid , Sydney Finkelstein , Bryan Thompson , Lori Kelly, Christoph Hanck, **Tony E. Godfrey** , David C. Whitcomb. A 93 year old man with the PRSS1 R122H mutation, low SPINK1 expression and without pancreatitis: Insights into phenotypic non-penetrance. *Gut*. 2006 May;55(5):728-31
41. Liqiang Xi, William Gooding, MS, Kenneth McCarty, William McMillan, **Tony E. Godfrey**, and Steven J. Hughes. Identification of mRNA markers for molecular staging of lymph nodes in colorectal cancer.

- Clin Chem. 2006 Mar;52(3):520-3.
42. Liqiang Xi, Michael C. Coello, Virginia R. Litle, Siva Raja, William E. Gooding, Samuel A. Yousem, Talal El-Hefnawy, Rodney, J. Landreneau, James D. Luketich, and **Tony E. Godfrey** A Combination of Molecular Markers Accurately Detects Lymph Node Metastasis in NSCLC Patients. *Clin.Cancer Res.*, 12: 2484-2491, 2006.
  43. Xin Huang, **Tony E. Godfrey**, William E. Gooding, Kenneth S. McCarty and Susanne M. Gollin Comprehensive Genome and Transcriptome Analysis of the 11q13 Amplicon in Oral Cancer and Synteny to the 7F5 Amplicon in Murine Oral Carcinoma. *Genes Chromosomes Cancer*. 2006 Nov;45(11):1058-69.
  44. Liqiang Xi, Daniel G. Nicastrì, Talal El-Hefnawy, Steven J. Hughes, James D. Luketich, **Tony E. Godfrey**. Optimal Markers for Real-Time Quantitative Reverse Transcription PCR Detection of Circulating Tumor Cells from Melanoma, Breast, Colon, Esophageal, Head and Neck, and Lung Cancers. 2007 *Clinical Chemistry*, 53(7).
  45. Daniel Nicastrì, Tony E. Godfrey and Stephen J. Hughes. Is Occult Lymph Node Disease in Colorectal Cancer Patients Clinically Significant? A Review of the Relevant Literature. *Journal of Molecular Diagnostics*; 2007 Nov;9(5):563-71.
  46. MicroRNA Expression Profiles of Esophageal Cancer. Andrew Feber PhD, Liqiang Xi MD, James D. Luketich MD, Arjun Pennathur MD, Rodney J. Landreneau MD, Maoxin Wu MD, Scott J. Swanson MD, Tony E. Godfrey PhD, Virginia R. Litle MD. *Journal of Thoracic and Cardiovascular Surgery*; 2008 Feb;135(2):255-60.
  47. Expression and Immunogenicity of MAGE Genes in Upper Aerodigestive Tract Cancer. Pedro A. Andrade Filho, Andrés López-Albaitero, Liqiang Xi, James W. Rocco, William Gooding, **Tony Godfrey**, and Robert L. Ferris. *In Review*.
  48. Molecular Staging of Pathologically Negative Sentinel Lymph Nodes from Melanoma Patients using Multimarker, Quantitative Real Time RT-PCR. Josep M. Hilari, Cristina Mangas, Liqiang Xi, Cristina Paradelo, Carlos Ferrándiz, Steven J. Hughes, Cindy Yueh, Ivy Altomare, William E. Gooding and **Tony E. Godfrey**. *In Press, Annals of Surgical Oncology*.
  49. Integrated Genomic Analysis Identifies Therapeutic Targets and Prognostic Markers in Esophageal Adenocarcinoma. Andrew Feber, Liqiang Xi, Arjun Pennathur, James D. Luketich, Weijia Zhang, Yezhou Sun, Daniel Nicastrì, Maoxin Wu, Vanita Gupta, Scott J. Swanson, William E. Gooding, Virginia R. Litle, and **Tony E. Godfrey**. *In review*.
  50. *CCND1* G/A870 Polymorphism Does Not Determine Cyclin D1 Variant Expression in Esophageal Adenocarcinoma or Non-Small Cell Lung Cancer. Vanita K. Gupta, Andrew Feber, Liqiang Xi, Arjun Pennathur, Maoxin Wu, James D Luketich, Tony E. Godfrey. *In Press; Clinical Cancer Research 2008*.
  51. A QRT-PCR Assay for Rapid Analysis of Breast Cancer Sentinel Lymph Nodes. Steven J. Hughes, MD, Liqiang Xi, MD, William Gooding, MS, David J. Cole, MD, John Metcalf, MD, Michael Mitas, PhD, Rohit Bhargava, MD, David Dabbs, MD, Jesus Ching, PhD, William McMillan, PhD, and **Tony E. Godfrey, PhD**. *In Review*.
  52. Identification of cancer-related genes that are alternatively spliced at high frequency in lung adenocarcinoma. Xi, L., Feber, A., Gupta, V. K., Wu, M., Landreneau, R. J., Litle, V. R., Luketich, J., and **Godfrey, T. E.** *In Review*.
  53. Molecular Staging of Occult Nodal Metastases in Esophageal Adenocarcinoma is Predictive of Worse Clinical Outcomes. Ivy Altomare, Arjun Pennathur, Liqiang Xi, Virginia R. Litle, William E. Gooding, James D. Luketich and **Tony E. Godfrey**. *Manuscript in preparation*.
  54. MicroRNA Expression Profiles predict outcome in Esophageal Adenocarcinoma. Feber, A., Xi, L., Luketich, J. D., Pennathur, A, Landreneau, R., Wu, M. H., Swanson S.J, Litle,

V.R and **Godfrey, T.E.** *Manuscript in Preparation.*

### **Book Chapters:**

1. Hill, C. K. and **Godfrey, T. E.** Adaptive responses after exposure to low dose radiation. *In* Edward J. Calabrese (ed.), *Biological effects of low level exposures: Dose response relationships.*, pp. 255-270. Lewis Publishers, 1994.
2. Development of Quantitative RT-PCR Assays for Measuring Gene Expression **Tony E. Godfrey** and Lori A. Kelly. *Molecular Toxicology Protocols*, Humana Press, 2004.
3. **Godfrey T.E.** Intraoperative Molecular Staging of Lymph Nodes. *Molecular Foundations in Pathology Series*. In press 2008.

### **Recent Abstracts:**

1. Integrated genomic analysis of esophageal adenocarcinoma using Affymetrix mapping and expression arrays. Feber, A., nicastri, D, Zhang, W., Sun, Y., Wu, M. H., Pennathur, A, Luketich, J. D., Gooding, W, and Godfrey, T. E. 2007 AACR Meeting, Los Angeles CA . 2007.
2. Clinical significance of genomic alterations in esophageal adenocarcinoma. Feber, A., nicastri, D, Zhang, W., Sun, Y., Wu, M. H., Pennathur, A, Luketich, J. D., Gooding, W, Litle, V. R., and **Godfrey, T. E.** 2007 AACR Meeting, Los Angeles CA . 2007.
3. MicroRNA Expression Profiles of Esophageal Cancer. Feber, A., Xi, L., Luketich, J. D., Pennathur, A, Landreaneau, R., Wu, M. H., Swanson SJ, **Godfrey, T. E.**, and Litle, V. R. 2007 American Association for Thoracic Surgery Meeting, Washington DC. 2007.
4. Identification of cancer-related genes that are alternatively spliced at high frequency in lung adenocarcinoma using whole genome exon arrays. Xi, L., Feber, A., Gupta, V. K., Wu, M., Landreaneau, R. J., Litle, V. R., Luketich, J., and **Godfrey, T. E.** American Association for Cancer Research Annual Meeting: Proceedings. 4-14-2007.
5. Molecular Staging of Occult Nodal Metastases in Esophageal Adenocarcinoma is Predictive of Worse Clinical Outcomes. Ivy Altomare, Arjun Pennathur, Liqiang Xi, Virginia R. Litle, William E. Gooding, James D. Luketicht and Tony E. Godfrey. ASCO 2007.
6. *CCND1* Polymorphism and Expression in Esophageal Adenocarcinoma. Vanita K. Gupta, Andrew Feber, Liqiang Xi, Arjun Pennathur, Maoxin Wu, James Luketich, **Tony E. Godfrey.** American Association for Cancer Research Annual Meeting: Proceedings; 2007 Apr 14; Los Angeles, CA. Philadelphia (PA): AACR; 2007.

### **Invited Presentations at National Conferences and NCI Workshops:**

Rapid QRT-PCR for intraoperative evaluation of sentinel lymph nodes.  
Featured presentation for Molecular Pathology Program, College of American Pathologists meeting. San Diego, September 14, 2003.

Detection of circulating Tumor cells by RT-PCR. Cancer Biometrics Workshop, International Society for Biological Therapy of Cancer meeting. Washington DC, October 30, 2003.

Intraoperative Analysis of Sentinel Lymph Nodes by Quantitative RT-PCR. United States and Canadian Association of Pathology meeting, San Antonio Texas. February 2005.

Molecular Staging of Sentinel Lymph Nodes. Plenary Session Presentation at the annual Association for Molecular Pathology Meeting, Scottsdale Arizona, November 2005.

Molecular staging of lung and esophageal cancer. Guest speaker at the 2006 meeting of the General Thoracic Surgery Club, Tuscon Arizona.

Integrated Genomic Analysis of esophageal cancer. Guest Speaker at the Oregon Thoracic Society Chest Disease Conference. Sun River Oregon February 2007.

Molecular staging of lung and esophageal cancer. Guest Speaker at the Oregon Thoracic Society Chest Disease Conference. Sun River Oregon February 2007.

Molecular staging of lymph nodes. Invited speaker at the United States and Canadian Academy of Pathology Meeting. San Diego March 2007.

Molecular Staging of Sentinel Nodes. Session Chairperson, Third International Symposium on Sentinel Node Biopsy. Miami Beach, February 2007.

Molecular Staging of Lymph Nodes. Pathology Grand Rounds. Harvard, March 2008.

**Peer Reviewed Funding:**

**Past Funding:**

American Cancer Society Detection of micrometastatic disease in NSCLC patients using QRT-PCR. (Godfrey, P.I.)	01/01/00 – 12/31/00	\$15,000
Minimally Invasive Surgery Center Grant Quantitative RT-PCR for accurate staging of lymph nodes in esophageal cancer. (Godfrey, P.I.)	05/01/00-04/31/01	\$38,205
Competitive Medical Research Fund (Pittsburgh) Development of a Novel Screen for Esophageal Cancer. (Godfrey, P.I.)	07/01/00-06/31/01	\$30,000
Oral Cancer Center Pilot Project Telomerase Expression as an Early Detection Biomarker of Oral Cancer (Bigbee, P.I.; Godfrey Co-investigator)	07/01/00-06/31/01	\$20,000
National Institutes of Health Lung SPORE (Siegfried, P.I.; Godfrey Co-Director, Genome Core)	04/01/01 – 03/31/06	\$9,417,136
Competitive Medical Research Fund Detection of lymph node metastases in colorectal cancer.	07/01/01-06/31/02	

(Blumberg, P.I.; Godfrey Co-investigator)		\$30,000
The Pittsburgh Foundation	07/01/01 – 06/30/03	
Quantitative RT-PCR for detection of micrometastases in Head and Neck cancer (Godfrey, P.I.)		\$100,000
Cepheid	09/01/01 – 08/31/04	
Co-operative Research and Development Agreement: Cancer Marker Screen. (Godfrey, P.I.)		\$218,218
National Institutes of Health R01	07/01/02 – 06/30/07	
Characterization of the 11q13 amplicon in oral cancer (Gollin, P.I.; Godfrey, Co-investigator)		\$1,125,000
National Institutes of Health STTR	05/01/03 – 10/31/05	
Automated RNA isolation and RT-PCR for cancer detection. (Industry PI; Ching: Godfrey University PI)		\$1,100,000
Cepheid	04/01/05 – 03/31/06	
Co-operative Research and Development Agreement Title: Development of molecular tests for diagnosis and prognosis in cancer. (Godfrey, P.I.)		\$400,000
National Institutes of Health R01	04/01/01-03/31/05*	
Use of Quantitative RT-PCR for staging esophageal cancer (Luketich: Godfrey Co-Investigator)		\$825,000
*Grant renewed until 2010 (see active funding)		
National Institutes of Health R01	06/01/02 – 05/30/07	
Molecular detection of occult metastases in lung cancer (Godfrey, P.I.)		\$1,150,000
National Institutes of Health 1 R01 CA111806-01	04/01/05 – 03/31/08	
Title: Molecular Staging of Lymph Nodes in Head and Neck Cancer (Godfrey, PI)		\$750,000
<b>Active Funding:</b>		
National Institutes of Health R01	03/09/01-03/31/2010	
Use of Quantitative RT-PCR for staging esophageal cancer (Luketich: Godfrey Co-Investigator)		\$1,001,533
National Institutes of Health R03	04/01/07-03/31/09	
MicroRNA expression in esophageal adenocarcinoma (Litle: Godfrey Co-Investigator)		\$100,000
National Institutes of Health R21	04/01/08-03/31/10	
Standardized NanoArray PCR for Gene Expression Profiling of Lung Cancer (Godfrey; Multiple PI)	MSSM subcontract	\$100,000

**Pending Funding:**

National Institutes of Health R01  
2007  
Biomarkers for Esophageal Cancer Progression and Prognosis  
(Godfrey)  
Priority Score: 145 (7.9%).  
Re-submitted November

National Institutes of Health R01  
Discovery of novel microRNAs for therapy, diagnosis and prognosis in NSCLC  
(Godfrey)  
Priority Score: Pending  
Submitted November 2007

National Institutes of Health R21  
Micro RNA as a marker for prognosis in esophageal adenocarcinoma  
(Godfrey)  
Priority Score: 210 (42 percentile). Revision to be submitted March 2008.  
Submitted June 2007

National Institutes of Health R21  
Alternative splice variants in non-small cell lung cancer  
(Xi; Godfrey Co-Investigator)  
Priority score: Not Scored  
Submitted June 2007

**Patents:**

Genes from the 20q13.2 amplicon and their uses.  
United States Patent number 5892010.

A Quantitative PCR method to enumerate DNA copy number.  
United States Patent number 6180349.

Multiple mode multiplex reaction quenching method  
Patent Pending