

**STANFORD UNIVERSITY SCHOOL OF MEDICINE  
FACULTY CURRICULUM VITAE**

**April 8, 2016**

**PERSONAL INFORMATION:**

Name: Eben Lloyd Rosenthal, M.D.

Citizenship: USA

Rank/Title: Ann and John Doerr Medical Director, Stanford Cancer Center  
Associate Director of Clinical Care, Stanford Cancer Institute  
Professor of Otolaryngology, Stanford University School of Medicine  
Professor of Radiology, Stanford University School of Medicine

Office Address: Stanford Cancer Center  
875 Blake Wilbur Drive, C-2213  
Stanford, CA 94305

Office Phone: (650) 723-4250

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**EDUCATION:**

Haverford College <i>Haverford, Pennsylvania</i>	B.A.	1984 – 1988
University of Michigan Medical School <i>Ann Arbor, Michigan</i>	M.D.	1990 - 1994

**LICENSURE:**

State of California	136361	2015
State of Alabama	24189	2001
State of Oregon	22470	2000
State of Michigan	129011	1997

**BOARD CERTIFICATION:**

American Board of Otolaryngology	16697	May 7, 2001
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**POSTDOCTORAL TRAINING:**

July 1994 - June 1995	Internship - General Surgery	University of Michigan Medical Center <i>Ann Arbor, Michigan</i>
July 1995 - Sept 1995	Molecular & Cellular Biology	University of Michigan Medical Center <i>Ann Arbor, Michigan</i>
July 1995 - June 2000	Residency - Otolaryngology	University of Michigan Medical Center <i>Ann Arbor, Michigan</i>
July 2000 - June 2001	Fellowship - Facial Plastic & Reconstructive Surgery	Oregon Health Sciences University <i>Portland, Oregon</i>

**ACADEMIC APPOINTMENTS:**

July 2015 - Present	Ann and John Doerr Medical Director	Stanford Cancer Center <i>Stanford Health Care</i>
July 2015 - Present	Associate Director of Clinical Care	Stanford Cancer Institute <i>Stanford Health Care</i>
July 2015 - Present	Professor of Otolaryngology	Department of Otolaryngology-HNS <i>Stanford University School of Medicine</i>
July 2015 - Present	Professor of Radiology	Department of Radiology-Nuclear Med <i>Stanford University School of Medicine</i>
Jan 2012 - June 2015	Division Director	Division of Otolaryngology-HNS <i>University of Alabama at Birmingham</i>
Jan 2012 - June 2015	John S. Odess Professor of Surgery	Division of Otolaryngology-HNS <i>University of Alabama at Birmingham</i>
June 2013 - June 2015	Professor of Radiology	Department of Radiology <i>University of Alabama at Birmingham</i>
July 2012 - June 2013	Residency Program Director	Division of Otolaryngology-HNS <i>University of Alabama at Birmingham</i>

**AWARDS/HONORS:**

2011	Distinguished Service Award <i>American Academy of Otolaryngology Head and Neck Society</i>
2013	Top Peer Reviewer for 2013 <i>The Laryngoscope</i>
2014	Top Peer Reviewer for 2014 <i>The Laryngoscope</i>

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**AWARDS/HONORS (Continued):**

2015 Named one of Castle Connolly's "Top Doctors"

**MENTORED AWARDS:**

- 2011 Best Resident Basic Science Paper Award – Joseph A. Knowles, MD  
American Head and Neck Society  
*Targeted Contrast Enhanced Ultrasound Improves Detection of Head and Neck Squamous Cell Carcinoma in Vitro and in Vivo*
- 2011 Outstanding Research Poster Second Place – Hadiyah-Nicole Green  
University of Illinois NanoBiophotonics Summer School  
*A Minimally Invasive Multifunctional Nanoscale System for Selective Targeting, Imaging, and NIR Photothermal Therapy of Malignant Tumors*
- 2011 Poster Presentation (Best Poster, Cancer Therapy, Group L) – Benjamin D. Bush  
UASOM Medical Student Research Day  
*Comparison of Surgical Approaches to Tumors of the Oropharynx*
- 2011 Poster Presentation (Best Poster, Cancer Therapy, Group C) – Terence M. Zimmermann  
UASOM Medical Student Research Day  
*The Prognosis of Bone Invasion in Small Squamous Cell Carcinomas of the Oral Cavity*
- 2012 Poster Presentation (1st Place Head and Neck Poster Award) – John W. Frederick  
Triological Society Combined Sections Meeting  
*Anti-CD147 inhibits proliferation by down regulation of EGFR in cutaneous squamous cell carcinoma*
- 2012 Travel Award – Lauren Beck  
World Molecular Imaging Congress 2012  
*Identification of optimal therapeutic antibody for fluorescent imaging of cutaneous squamous cell carcinoma*
- 2012 Poster Presentation (1<sup>st</sup> Place Head and Neck Poster Award) – Nicholas Deep  
8<sup>th</sup> Annual International Conference on Head and Neck Cancer  
*Phase II Study of Erlotinib Plus Radiation Therapy in Patients with Advance Cutaneous Squamous Cell Carinoma*
- 2013 Resident Research Award Triological Society  
(1<sup>st</sup> Place Lester A. Brown, M.D. Award) – Larissa Sweeny, M.D.  
UAB Division of Otolaryngology – Head and Neck Surgery  
*The Conjugation of a Monoclonal Antibody with a Small Drug Molecule Significantly Inhibits Head and Neck Squamous Cell Carcinoma.*
- 2016 Poster Presentation  
(1st Place Poster Award in the Head and Neck Category) – Lindsay S. Moore, MD  
Triological Society 2016 Combined Sections Meeting  
*Fluorescence-Guided Surgery: Determining the Threshold for Cancer Detection Using Near-Infrared Optical Imaging in a Head and Neck Model*

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**MENTORED AWARDS (Continued):**

- 2016        2016 UAB Post Doc Career Enhancement Award – Linday S. Moore, MD
- 2016        AOA Student Research Award – Andrew Prince, MD  
*Dose and Time Ranging of Anti-Angiogenic Agents for Enhanced Antibody-based Therapy in an Animal Model of Head and Neck Cancer.*

**PROFESSIONAL SOCIETIES:**

- 2010 - Present    World Molecular Imaging Society  
2010 - Present    Society of University Surgeons  
2010 - 2015       Alabama Chapter, American College of Surgeons

**COUNCILS AND COMMITTEES:**

- 2010 - 2013       American Head and Neck Society Prevention and Early Detection Committee  
2010 - Present    Member of the National Institutes of Health, Developmental Therapeutics Study Section, Center for Scientific Review  
2013 - Present    American Head and Neck Society Annual Meeting, Program Chair

**AMERICAN ACADEMY OF OTOLARYNGOLOGY ACTIVITIES**

- 2011 - Present    Chair, Program Advisory Committee

**EDITORIAL BOARD MEMBERSHIPS:**

- 2007 - Present    **Associate Editor**, Head & Neck  
2007 - Present    **Editorial Board Member**, The Laryngoscope  
2015 - Present    **Editorial Board Member**, World Journal of Clinical Oncology  
2015 - Present    **Editorial Board Member**, Laryngoscope Investigative Otolaryngology

**Reviewer** for Cancer Research, Cancer, Laryngoscope, BMC Cancer, Head & Neck, Molecular Carcinogenesis, Archives of Otolaryngology, Clinical Cancer Research, Otolaryngology – Head and Neck Surgery, Experimental Cell Research, The American Journal of Surgery, International Journal of Cancer and Molecular Cancer Research.

**UNIVERSITY ACTIVITIES:**

- 2003 - 2012    Associate Program Director  
                  UAB Division of Otolaryngology-Head and Neck Surgery
- 2003 - 2015    UAB Divisional Institutional Review Board Reviewer
- 2004 - 2015    Chair, Research Committee  
                  UAB Division of Otolaryngology-Head and Neck Surgery

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**UNIVERSITY ACTIVITIES (Continued):**

- 2004 - 2015 Reviewer for UAB Comprehensive Cancer Center Internal Grant Submissions
- 2004 Grant Reviewer for UAB Brain SPORE Internal Grant Submissions
- 2007 - 2010 Chair, UAB Robotic Surgery Committee
- 2007 - 2015 Director, Surgical Anatomy UAB School of Medicine
- 2008 - 2015 UAB Health Services Perioperative Services Management Group
- 2009 - 2015 Director, UAB Department of Surgery Institutional Review Board Reviewer
- 2010 - 2015 UAB School of Medicine Clinical Advisory Group
- 2011 - 2015 Chair, UAB Operating Room Management Committee
- 2011 - 2015 Director, UAB Department of Surgery Research Office

**PAST GRANT SUPPORT:**

- 2007 - 2013 *A Human Monoclonal Anti-EGF Receptor Antibody in Combination with Best Supportive Care, in Patients with Non-Curable Squamous Cell Carcinoma of the Head and Neck Who have Failed Standard Platinum-Based Chemotherapy*  
Investigator initiated, industry sponsored clinical trial (Rosenthal)  
Genmab  
Principal Investigator (direct costs \$108,000)
- 2007 - 2013 *A Phase II Clinical Trial of Erlotinib and Radiotherapy in Patients with Stage III Cutaneous Squamous Cell Carcinomas*  
Investigator initiated, industry sponsored clinical trial (Rosenthal)  
Genetech, Inc.  
Principal Investigator (4 years, direct costs \$106,299)
- 2009 - 2012 *Fluorescently Labeled Anti-EGFR Antibody to Guide Removal of Lymph Node Metastasis*  
R21 Grant (Rosenthal)  
NIH/NIDCR  
Principal Investigator (2 years, direct costs \$275,000)
- 2009 - 2012 Supplement: *Tumor-Stromal Interactions in HNSCC*  
K08 Training Award (Rosenthal)  
NCI/NIH  
Principal Investigator (2 years, direct costs \$81,820)
- 2011 - 2013 *A Randomized Placebo Controlled Trial of Pioglitazone For Oral Premalignant Lesions An Interconsortium Collaborative Study*  
University of Wisconsin in Madison  
Principal Investigator (2 years, \$48,367)

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**ACTIVE GRANT SUPPORT:**

- 2010 - 2015     *CD147 as a Novel Target in Head and Neck Cancer*  
R01 CA142637-01 (Rosenthal)  
NIH/NCI  
Principal Investigator (5 years, direct costs \$933,750)
- 2010 - Present     *Intra-operative Optical Imaging to Guide Surgical Resection of Cancer*  
NExT 217260 (Rosenthal)  
NExT  
Principal Investigator
- 2011 - 2016     *A Phase I, Open-label Study Evaluating the Safety of Escalating Doses of Ad/PNP-F-araAMP (Ad/PNP Administered Intratumorally with Co-administration of Fludarabine Phosphate Intravenously in Subjects with Advanced Solid Tumors*  
PNP Therapy Trial  
Principal Investigator (5 years, direct costs \$483,994)
- 2013 - 2015     *Optical Imaging of Primary and Regional Melanoma to Guide Surgical Resection*  
R21 CA179171 (Rosenthal)  
NIH/NCI  
Principal Investigator (2 years, direct costs \$275,000)
- 2013 - 2015     *Image Guided Surgery using Fluorescently Labeled Cetuximab*  
R21 CA182953 (Rosenthal)  
NIH/NCI  
Principal Investigator (2 years, direct costs \$500,000)
- 2013 - 2016     *Phase I, Open-Label Study Evaluating the Safety and Pharmacokinetics of Escalating Doses of Cetuximab-IRDye800 as an Optical Imaging to Detect Cancer During Surgical Procedures*  
Novadaq Technologies, Inc.  
Principal Investigator (3 years, direct costs \$50,000)
- 2015 - 2020     *Prototype device for image guided surgery with panitumumab-IRDye800*  
1R01CA190306-01A1 (Rosenthal)  
NIH/NCI  
Principal Investigator (5 years)

**INVITED LECTURES AND PANELS - National and International:**

- 2010     Visiting Professor, “Directions in Therapy for Head and Neck Cancer at UAB.” Vanderbilt University Medical Center, Nashville, TN.
- 2010     Visiting Professor, “Optical Imaging to Detect Cancer for Surgical Resections.” University of Mississippi Medical Center, Jackson, MS.
- 2010     Visiting Professor, “Head and Neck Reconstruction with Free Flaps.” University of Mississippi Medical Center, Jackson, MS.

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**INVITED LECTURES AND PANELS - National and International (Continued):**

- 2010 Visiting Professor, “Adventures in Head and Neck Reconstruction.” LSU Health Sciences Center, New Orleans, LA.
- 2010 Visiting Professor, “Head and Neck Cancer Update.” Fort Walton Beach Medical Center, Fort Walton Beach, FL.
- 2012 Visiting Professor, “Use of the Osteocutaneous Radial Forearm Flap in Head and Neck Reconstructive Surgery.” Saint Louis University School of Medicine Department of Otolaryngology – Head and Neck Surgery, St. Louis, MO.
- 2012 Visiting Professor, “Optical Imaging to Guide Surgical Resections: Preclinical Studies.” Saint Louis University School of Medicine Department of Otolaryngology – Head and Neck Surgery, St. Louis, MO.
- 2012 Invited Keynote Speaker, “Molecular Imaging and Fluorescence in the Treatment of Cancer.” Summit for Perfusion Imaging and Excellence in Surgery, November 16-18, 2012. Las Vegas, NV.
- 2013 Invited Speaker, “Contemporary Management of Oropharynx?” COSM, April 6-10, 2013. Orlando, FL.
- 2013 Invited Speaker, “Oropharynx Reconstruction - Why bother?” Annual Meeting American Academy of Otolaryngology – HNS COSM, April 6-10, 2013. Orlando, FL.
- 2013 Moderator, “Laryngology/Broncho-Esophagology, Facial Plastic & Reconstructive Surgery; Head & Neck Surgery.” 2013 AAO-HNSF Annual Meeting and Oto Expo, September 30, 2013. Vancouver, Canada.
- 2013 Miniseminar, “Surgical Management of the Patient with Facial Paralysis.” 2013 AAO-HNSF Annual Meeting and Oto Expo, September 30, 2013. Vancouver, Canada.
- 2013 Miniseminar, “Grant Writing Pearls and Pitfalls: Maximizing Your Funding.” 2013 AAO-HNSF Annual Meeting and Oto Expo, October 1, 2013. Vancouver, Canada.
- 2014 Invited Speaker, “Microvascular Reconstruction Update.” Multidisciplinary Head & Neck Cancer Symposium, February 21, 2014. Scottsdale, AZ.
- 2014 Visiting Professor, “Fluorescent Immunoguided Neoplasm Detection (FIND).” University of Pittsburgh Cancer Institute Basic Research Seminar, March 11, 2014. Pittsburgh, PA.
- 2014 Grand Rounds Speaker, “Methods to Improve Outcomes in Head and Neck Reconstruction.” University of Pittsburgh Department of Otolaryngology Grand Rounds Presentation, March 12, 2014, Pittsburgh, PA.
- 2014 Panelist and Speaker, “Imaging as a Prognostic Tool.” IFHNOS 5th World Congress and AHNS Annual Meeting, July 27, 2014. New York, NY.
- 2014 Miniseminar, “The Pearls and Pitfalls of Grant Writing: Maximizing Your Funding.” 2014 AAO-HNSF Annual Meeting and Oto Expo, September 21, 2014. Orlando, FL.

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**INVITED LECTURES AND PANELS - National and International (Continued):**

- 2014 Miniseminar, “Surgical Management of the Patient with Facial Paralysis.” 2014 AAO-HNSF Annual Meeting and Oto Expo, September 22, 2014. Orlando, FL.
- 2014 Miniseminar, “Surgery with Optical Imaging: Fluorescence Guided and Molecular Navigation.” 2014 AAO-HNSF Annual Meeting and Oto Expo, September 23, 2014. Orlando, FL.
- 2014 Panelist and Speaker, “Antibody Based Imaging.” ACS Clinical Congress, October 27, 2014. San Francisco, CA.
- 2015 Panelist and Speaker, “Tumor-specificity of Cetuximab-IRDye800 for surgical navigation in squamous cell cancer.” AACR-SNMMI Joint Conference on State-of-the-Art Molecular Imaging in Cancer Biology and Therapy, February 12, 2015. San Diego, CA.
- 2015 Invited Speaker, “Optical imaging for surgical navigation.” Cleveland Clinic Multidisciplinary Head and Neck Cancer Update, March 6, 2015. Weston, FL.
- 2015 Panelist and Speaker, “Oropharynx.” Cleveland Clinic Multidisciplinary Head and Neck Cancer Update, March 6, 2015. Weston, FL.
- 2015 Panelist and Speaker, “Oral cavity and skin cases.” Cleveland Clinic Multidisciplinary Head and Neck Cancer Update, March 6, 2015. Weston, FL.
- 2015 Invited Speaker, “Laryngopharyngectomy, reconstruction, and postop care.” Cleveland Clinic Multidisciplinary Head and Neck Cancer Update, March 7, 2015. Weston, FL.
- 2015 Panelist and Speaker, “– Larynx/Hypopharynx cases.” Cleveland Clinic Multidisciplinary Head and Neck Cancer Update, March 7, 2015. Weston, FL.
- 2015 Panelist and Speaker, “Thyroid/Salivary gland cancer cases.” Cleveland Clinic Multidisciplinary Head and Neck Cancer Update, March 7, 2015. Weston, FL.
- 2015 Invited Speaker, “Safety and Tumor-specificity of Cetuximab-IRDye800 for Surgical Navigation in Head and Neck Cancer.” CORLAS Annual Meeting, August 26, 2015. San Francisco, CA.
- 2015 Moderator, “OSN – IND Successes and Pitfalls.” World Molecular Imaging Conference, September 2, 2015. Honolulu, HI.
- 2015 Moderator, “OSN Panel: Devices for Surgical Imaging – What is Needed?” World Molecular Imaging Conference, September 2, 2015. Honolulu, HI.
- 2015 Panelist, “Surgical Management of the Patient with Facial Paralysis.” 2015 AAO-HNSF Annual Meeting and Oto Expo, September 28, 2015. Dallas, TX.
- 2015 Grand Rounds Speaker, “Optical Imaging in the Operating Room: Present and Future.” Stanford University Department of Radiology Grand Rounds Presentation, October 15, 2015. Stanford, CA.
- 2016 Grand Rounds Speaker, “Fluorescence Guided Oncologic Surgery”. UCSF Department of Otolaryngology Grand Rounds Presentation, January 20, 2016. San Francisco, CA.



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**INVITED LECTURES AND PANELS - National and International (Continued):**

- 2016 Grand Rounds Speaker, "Advances in Head and Neck Reconstruction". Stanford University Department of Otolaryngology – Head and Neck Surgery Grand Rounds Presentation, January 28, 2016. Stanford, CA.
- 2016 Invited Speaker, Stanford MSTP Program Physician Scientist Hour, February 8, 2016. Stanford, CA.

**MANUSCRIPTS PRINTED IN SCIENTIFIC JOURNALS:**

1. Liu, Z, Hartman, YE, Warram JM, Knowles JA, Sweeny, L, Zhou T, Rosenthal EL. Fibroblast growth factor receptor mediates fibroblast-dependent growth in emmprin-depleted head and neck cancer tumor cells. **Mol Cancer Res**. 2011 July 26. PMID: 21665938
2. Sweeny L, Dean NR, Magnuson JS, Carroll WR, Clemons L, Rosenthal EL. Assessment of tissue autofluorescence and reflectance for oral cavity cancer screening. **Otolaryngol Head Neck Surg**. 2011 Jul 29. PMID: 21804026
3. Andrades P, Militsakh O, Hanasono MM, Rieger J, Rosenthal EL. Current strategies in reconstruction of maxillectomy defects. **Arch Otolaryngol Head Neck Surg**. 2011 Aug. PMID: 2184415
4. Kim H, Zhai G, Liu Z, Samuel S, Shah N, Helman EE, Knowles JA, Stockard CR, Fineberg NS, Grizzle WE, Zhou T, Zinn KR, Rosenthal EL. Extracellular matrix metalloproteinase as a novel target for pancreatic cancer therapy. **Anticancer Drugs**. 2011 Oct; 22(9): p. 864-74. PMID: 21730821
5. Knowles JA, Golden B, Yan L, Carroll WR, Helman EE, Rosenthal EL. Disruption of the AKT pathway inhibits metastasis in an orthotopic model of head and neck squamous cell carcinoma. **Laryngoscope**. 2011 Nov (121): p. 2359-2365. PMID: 22020886
6. Sinclair CF, Carroll WR, Desmond RA, Rosenthal EL. Functional and survival outcomes in patients undergoing total glossectomy compared with total laryngoglossectomy. **Otolaryngology Head Neck Surgery**. 2011 Nov; 145(5): p. 755-758. PMID: 21670476
7. Sinclair CF, McColloch NL, Carroll WR, Rosenthal EL, Desmond RA, Magnuson JS. Patient-perceived and objective functional outcomes following transoral robotic surgery for early oropharyngeal carcinoma. **Arch Otolaryngol Head Neck Surg**. 2011 Nov; 137(11): p. 1112-6. PMID: 22106235
8. Miller MW, Dean NR, Cannady SB, Rosenthal EL, Wax MK. Free Tissue Transfer for Head and Neck Reconstruction in Solid Organ Transplant Patients. **Head Neck**. 2011 Nov 11. PMID: 22076843
9. Sun Q, Prasad R, Rosenthal, E, Katiyar SK. Grape seed proanthocyanidins inhibit the invasive potential of head and neck cutaneous squamous cell carcinoma cells by targeting EGFR expression and epithelial-to-mesenchymal transition. **BMC Complementary and Alternative Medicine**. 2011; 11:134. PMID: 22188922

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**MANUSCRIPTS PRINTED IN SCIENTIFIC JOURNALS (Continued):**

10. Sweeny L, Lancaster WP, Dean NR, Magnuson JS, Carroll WR, Louis PJ, Rosenthal EL. Use of recombinant bone morphogenetic protein 2 in free flap reconstruction for osteonecrosis of the mandible. **Journal of Oral and Maxillofacial Surgery**. 2011 Dec. PMID 22177824
11. Barañano CF, Rosenthal EL, Morgan BA, McColloch NL, Magnuson JS. Dynasplint for the management of trismus after treatment of upper aerodigestive tract cancer: a retrospective study. **Ear Nose Throat J**. 2011 Dec; 90(12): p. 584-590. PMID: 22180114
12. Sun Q, Prasad R, Rosenthal E, Katiyar SK. Grape seed proanthocyanidins inhibit the invasiveness of human HNSCC cells by targering EGFR and reversing the epithelial-to-mesenchymal transition. **PLoS One**. 2012 Jan 27; 7(1):e31093. PMID: 22299051
13. Schneider DS, McClain L, Robb PK Jr, Rosenthal EL, Wax MK. Use of internal mammary vessels in head and neck microvascular reconstruction. **Arch Otolaryngol Head Neck Surg**. 2012 Feb; 138(2): p. 172-176. PMID: 22351864
14. Sweeny L, Golden B, White HN, Magnuson JS, Carroll WR, Rosenthal EL. Incidence and outcomes of stricture formation postlaryngectomy. **Otolaryngology-Head and Neck Surgery**. 2012 March; 146(3): p. 395-402. PMID: 22166968
15. Sweeny L, Liu Z, Lancaster W, Hart J, Hartman YE, Rosenthal EL. Inhibition of fibroblasts reduced head and neck cancer growth by targeting fibroblast growth factor receptor. **Laryngoscope**. 2012 March. PMID: 22460537
16. Dean NR, Wax MK, Virgin FW, Magnuson JS, Carroll WR, Rosenthal EL. Free flap reconstruction of lateral mandibular defects: indications and outcomes. **Otolaryngology Head and Neck Surgery**. 2012 April; 146(4): p. 547-552. PMID: 22166963
17. Magnuson JS, Durst J., Rosenthal EL, Carroll WR, Ritchie CS, Kilgore ML, Locher JL. Increased likelihood of long-term gastrostomy tube dependence in head and neck cancer survivors without partners. **Head and Neck**. 2012 April. PMID: 22505332
18. Sinclair CF, Gleysteen JP, Zimmermann TM, Wax MK, Givi B, Schneider D, Rosenthal EL. Assessment of donor site morbidity for free radial forearm osteocutaneous flaps. **Microsurgery**. 2012 May. PMID: 22473601.
19. Sweeny L., Eby BT, Magnuson JS, Carroll WR, Rosenthal EL. Reconstruction of scalp defects with the radial forearm free flap. **Head and Neck Oncology**. 2012 May. PMID: 22583845.
20. Sweeny L, Dean NR, Frederick JW, Scott Magnuson J, Carroll WR, Desmond RA, Rosenthal EL. CD 147 expression in advanced cutaneous squamous cell carcinoma. **Journal of Cutaneous Pathology**. 2012 May. PMID: 22575025.
21. Sweeny L, Liu Z, Bush B, Hartman Y, Zhou T, Rosenthal EL. CD147 and AGR2 expression promote cellular proliferation and metastasis of head and neck squamous cell carcinoma. **Experimental Cell Research**. 2012 May. PMID 22659167
22. Kejner AE, Castellanos PF, Rosenthal EL, Hawn MT. All-cause mortality after tracheostomy at a tertiary care hospital over a 10-month period. **Otolaryngology Head Neck Surgery**. 2012 June; 146(6): p. 918-922. PMID: 22344290

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**MANUSCRIPTS PRINTED IN SCIENTIFIC JOURNALS (Continued):**

23. Heath CH, Sorace A, Knowles J, Rosenthal EL, Hoyt K. Microbubble therapy enhances anti-tumor properties of cisplatin and cetuximab in vitro and in vivo. **Otolaryngology Head Neck Surgery**. 2012 June; 146(6): p. 938-945. PMID: 22323435
24. Deep N, Heath C, Rosenthal EL, Sweeny L, Zinn K. Use of Pantitumumab – IRDye800 to Image Microscopic Head and Neck Cancer in an Orthotopic Surgical Model. **Annals of Surgical Oncology**. 2012 June. PMID: 22669455
25. Sweeny L, Zimmermann TM, Liu Z, Rosenthal EL. Evaluation of tyrosine receptor kinases in the interaction of head and neck squamous cell carcinoma cells and fibroblasts. **Oral Oncol**. 2012 July. PMID: 22795534
26. Knowles JA, Heath CH, Saini R, Umphrey H, Warram J, Hoyt K, Rosenthal EL. Molecular targeting of ultrasonographic contrast agent for detection of head and neck squamous cell carcinoma. **Arch Otolaryngol Head Neck Surg**. 2012 Jul; 138(7): p. 662-668. PMID: 22801891
27. White HN, Golden B, Sweeny L, Carroll WR, Magnuson JS, Rosenthal EL. Assessment and incidence of salivary leak following laryngectomy. **Laryngoscope**. 2012 Aug; 122(8): p. 1796-1799. PMID: 22648757
28. Brickman DS, Reh DD, Schneider DS, Bush B, Rosenthal EL, Wax MK. Airway management after maxillectomy with free flap reconstruction. **Head Neck**. 2012 Aug 21. PMID 22907774.
29. Heath CH, Deep NL, Nabell L, Carroll WR, Desmond R, Clemons L, Spencer S, Magnuson JS, Rosenthal EL. Phase 1 Study of Erlotinib Plus Radiation Therapy in Patients With Advanced Cutaneous Squamous Cell Carcinoma. **International Journal of Radiation Oncology Biology Physics**. 2012 Nov 22. PMID: 23182701
30. Brandwein-Gensler M, Negassa A, Li Y, Bai S, Carroll WR, Dayan D, Dort JC, Heller K, Jour G, Lau H, Penner C, Prystowsky M, Rosenthal EL, Schlecht NF, Smith RV, Urken M, Veref M, Wang B, Wenig B. Validation of the Risk Model: High-Risk Classification and Tumor Pattern of Invasion Predict Outcome for Patients with Low-Stage Oral Cavity Squamous Cell Carcinoma. **Head and Neck Pathology**. 2012 Dec 19. PMID: 23250819
31. Frederick JW, Sweeny L, Carroll WR, Rosenthal EL. Microvascular Anastomotic Coupler Assessment in Head and Neck Reconstruction. **Otolaryngol Head Neck Surg**. 2013 Apr 12. PMID: 23585150
32. Day KE, Beck LN, Heath CH, Huang CC, Zinn KR, Rosenthal EL. Identification of the optimal therapeutic antibody for fluorescent imaging of cutaneous squamous cell carcinoma. **Cancer Biol Ther**. 2013 Mar;14(3):271-7. PMID: 23298904
33. Asher SA, White HN, Kejner AE, Rosenthal EL, Carroll WR, Magnuson JS. Hemorrhage after Transoral Robotic-Assisted Surgery. **Otolaryngol Head Neck Surg**. 2013 Apr 12. PMID: 23585156
34. Day KE, Beck LN, Deep NL, Kovar J, Zinn KR, Rosenthal EL. Fluorescently labeled therapeutic antibodies for detection of microscopic melanoma. **Laryngoscope**. 2013 Apr 24. PMID: 23616260

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**MANUSCRIPTS PRINTED IN SCIENTIFIC JOURNALS (Continued):**

35. Frederick JW, Sweeny L, Carroll WR, Peters GE, Rosenthal EL. Outcomes in head and neck reconstruction by surgical site and donor site. **Laryngoscope**. 2013 May 17. PMID: 23686870
36. Day KE, Sweeny L, Kulbersh B, Zinn KR, Rosenthal EL. Preclinical Comparison of Near-Infrared-Labeled Cetuximab and Panitumumab for Optical Imaging of Head and Neck Squamous Cell Carcinoma. **Mol Imaging Biol**. 2013 May 29. PMID: 23715932
37. Heath CH, Deep NL, Beck LN, Day KE, Sweeny L, Zinn KR, Huang CC, Rosenthal EL. Use of Panitumumab-IRDye800 to Image Cutaneous Head and Neck Cancer in Mice. **Otolaryngol Head Neck Surg**. 2013 Jun;148(6):982-90. PMID: 23525846
38. Kejner AE, Burch MB, Sweeny L, Rosenthal EL. Bone morphogenetic protein 6 expression in oral cavity squamous cell cancer is associated with bone invasion. **Laryngoscope**. 2013 Jun 17. PMID: 23775772
39. Rosenthal EL, Zinn KR. Putting numbers to fluorescent guided surgery. **Mol Imaging Biol**. 2013 Jul 9. PMID: 23836503
40. Sweeny L, Hartman YE, Zinn KR, Prudent JR, Marshall DJ, Shekhani MS, Rosenthal EL. A novel extracellular drug conjugate significantly inhibits head and neck squamous cell carcinoma. **Oral Oncol**. 2013 Aug 3. PMID: 23920309.
41. Hanasono MM, Militsakh ON, Richmon JD, Rosenthal EL, Wax MK. Mandibulectomy and Free Flap Reconstruction for Bisphosphonate-Related Osteonecrosis of the Jaws. **JAMA Otolaryngol Head Neck Surg**. 2013 Sep 19. PMID: 24051498.
42. Gong H, Kovar JL, Cheung L, Rosenthal EL, Olive DM. A comparative study of affibody, panitumumab, and EGF for near-infrared fluorescence imaging of EGFR- and EGFRvIII-expressing tumors. **Cancer Biol Ther**. 2013 Oct 7;15(2). PMID: 24100437.
43. Day KE, Desmond R, Magnuson JS, Carroll WR, Rosenthal EL. Hardware Removal after Osseous Free Flap Reconstructions. **Otolaryngol Head Neck Surg**. 2013 Nov 7. PMID: 24201061.
44. Asher SA, White HN, Golden JB, Magnuson JS, Carroll WR, Rosenthal EL. Negative Pressure Wound Therapy in Head and Neck Surgery. **JAMA Facial Plast Surg**. 2013 Dec 19. PMID: 24357046.
45. Korb ML, Hartman YE, Kovar J, Zinn KR, Bland KI, Rosenthal EL. Use of monoclonal antibody-IRDye800CW bioconjugates in the resection of breast cancer. **J Surg Res**. 2013 Nov 22. PMID: 24360117.
46. Asher SA, White HN, Illing EA, Carroll WR, Magnuson JS, Rosenthal EL. Intraluminal Negative Pressure Wound Therapy for Optimizing Pharyngeal Reconstruction. **JAMA Otolaryngol Head Neck Surg**. 2013 Dec 26. PMID: 24370595.
47. Rosenthal EL. Optical Imaging of Head and Neck Cancer: Opportunities and Challenges. **JAMA Otolaryngol Head Neck Surg**. 2013 Dec 26. PMID: 24370727.
48. Bosmia AN, Zimmermann TM, Griessenauer CJ, Shane Tubbs R, Rosenthal EL. Nasal Myiasis in Hinduism and Contemporary Otorhinolaryngology. **J Relig Health**. 2014 Jan 3. PMID: 24385004.

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**MANUSCRIPTS PRINTED IN SCIENTIFIC JOURNALS (Continued):**

49. Rosenthal EL. Optical imaging of head and neck cancer: opportunities and challenges. *JAMA Otolaryngol Head Neck Surg.* 2014 Feb;140(2):93-4. PMID: 24370727.
50. Sweeny L, Zimmerman T, Carroll WR, Schmalbach CE, Day KE, Rosenthal EL. Head and neck cutaneous squamous cell carcinoma requiring parotidectomy: prognostic indicators and treatment selection. *Otolaryngol Head Neck Surg.* 2014 Apr. PMID: 2447413.
51. Dean NR, Rosenthal EL, Morgan BA, Magnuson JS, Carroll WR. Harmonic Scalpel versus electrocautery and surgical clips in head and neck free-flap harvesting. *Ear Nose Throat J.* 2014 Jun;93(6):E36-9. PMID: 24932828.
52. Jiang R, Ekshyyan O, Moore-Medlin T, Rong X, Nathan S, Gu X, Abreo F, Rosenthal EL, Shi M, Guidry JT, Scott RS, Hutt-Fletcher LM, Nathan CA. Association between human papilloma virus/Epstein-Barr virus coinfection and oral carcinogenesis. *J Oral Pathol Med.* 2014 Jul 18. PMID: 25040496.
53. Zinn KR, Korb M, Samuel S, Warram JM, Dion D, Killingsworth C, Fan J, Schoeb T, Strong TV, Rosenthal EL. IND-Directed Safety and Biodistribution Study of Intravenously Injected Cetuximab -IRDye800 in Cynomolgus Monkeys. *Mol Imaging Biol.* 2014 Jul 31. PMID: 25080323.
54. Chung TK, Rosenthal EL, Magnuson JS, Carroll WR. Transoral robotic surgery for oropharyngeal and tongue cancer in the United States. *Laryngoscope.* 2014 Aug 5. PMID: 25093603.
55. Warram JM, de Boer E, Sorace AG, Chung TK, Kim H, Pleijhuis RG, van Dam GM, Rosenthal EL. Antibody based imaging strategies for cancer. *Cancer Metastasis Rev.* 2014 Sep. PMID: 24913898.
56. Cannady SB, Rosenthal EL, Knott PD, Fritz M, Wax MK. Free tissue transfer for head and neck reconstruction: a contemporary review. *JAMA Facial Plast Surg.* 2014 Sep-Oct;16(5):367-73. PMID: 24994489.
57. Frederick JW, Sweeny L, Hartman Y, Zhou T, Rosenthal EL. EGFR inhibition by anti-CD14 therapy in cutaneous Squamous Cell Carcinoma. *Head Neck.* 2014 Oct 1. PMID: 25270595.
58. Ford SE, Brandwein-Gensler M, Carroll WR, Rosenthal EL, Magnuson JS. Transoral robotic versus open surgical approaches to oropharyngeal squamous cell carcinoma by human papillomavirus status. *Otolaryngol Head Neck Surg.* 2014 Oct;151(4):606-11. PMID: 25049265.
59. Chung TK, Rosenthal EL, Porterfield JR, Carroll WR, Richman J, Hawn MT. Examining national outcomes after thyroidectomy with nerve monitoring. *J Am Coll Surg.* 2014 Oct;219(4):765-70. PMID: 25158909.
60. Green HN, Crockett SD, Martyshkin DV, Singh KP, Grizzle WE, Rosenthal EL, Mirov SB. A histological evaluation and in vivo assessment of intratumoral near infrared photothermal nanotherapy-induced tumor regression. *Int J Nanomedicine.* 2014 Nov 5;9:5093-102. PMID: 25395847.

---

**MANUSCRIPTS PRINTED IN SCIENTIFIC JOURNALS (Continued):**

61. de Boer E, Warram JM, Hartmans E, Bremer PJ, Bijl B, Crane LM, Nagengast WB, Rosenthal EL, van Dam GM. A standardized light-emitting diode device for photoimmunotherapy. **J Nucl Med**. 2014 Nov;55(11):1893-8. PMID: 25315245.
62. Rosenthal EL, Chung TK, Carroll WR, Clemons L, Desmond R, Nabell L. Assessment of erlotinib as adjuvant chemoprevention in high-risk head and neck cancer patients. **Ann Surg Oncol**. 2014 Dec;21(13):4263-9. PMID: 25001094.
63. Isayeva T, Xu J, Ragin C, Dai Q, Cooper T, Carroll W, Dayan D, Vered M, Wenig B, Rosenthal EL, Grizzle W, Anderson J, Willey CD, Yang ES, Brandwein-Gensler M. The protective effect of p16<sup>INK4a</sup> in oral cavity carcinomas: p16<sup>INK4a</sup> dampens tumor invasion-integrated analysis of expression and kinomics pathways. **Mod Pathol**. 2014 Dec 19. [Epub ahead of print] PMID: 25523612.
64. Rosenthal EL, Warram JM, Bland KI, Zinn KR. The status of contemporary image-guided modalities in oncologic surgery. **Ann Surg**. 2015 Jan;261(1):46-55. PMID: 25599326.
65. de Boer E, Harlaar NJ, Taruttis A, Nagengast WB, Rosenthal EL, Ntziachristos V, van Dam GM. Optical innovations in surgery. **Br J Surg**. 2015 Jan;102(2):e56-72. PMID: 25627136.
66. Kim H, Hartman YE, Zhai G, Chung TK, Korb ML, Beasley TM, Zhou T, Rosenthal EL. Dynamic contrast-enhanced MRI evaluates the early response of human head and neck tumor xenografts following anti-EMMPRIN therapy with cisplatin or irradiation. **J Magn Reson Imaging**. 2015 Feb 20. PMID: 25704985.
67. Chung TK, Warram J, Day KE, Hartman Y, Rosenthal EL. Time-Dependent Pretreatment with Bevacuzimab Increases Tumor Specific Uptake of Cetuximab in Preclinical Oral Cavity Cancer Studies. **Cancer Biol Ther**. 2015 Feb 26:0. [Epub ahead of print] PMID: 25719497.
68. Korb ML, Warram JM, Grudzinski J, Weichert J, Jeffery J, Rosenthal EL. Breast Cancer Imaging Using the Near-Infrared Fluorescent Agent, CLR1502. **Mol Imaging**. 2014 Mar 1;13(0):1-9. PMID: 25743270.
69. Korb ML, Huh WK, Boone JD, Warram JM, Chung TK, de Boer E, Bland KI, Rosenthal EL. Laparoscopic Fluorescent Visualization of the Ureter With Intravenous IRDye800CW. **J Minim Invasive Gynecol**. 2015 Jul-Aug;22(5):799-806. PMID: 25796218.
70. Burch MB, Chung TK, Rosenthal EL, Schmalbach CE. Multimodality management of high-risk head and neck basal cell carcinoma requiring free-flap reconstruction. **Otolaryngol Head Neck Surg**. 2015 May;152(5):868-73. PMID: 25805638.
71. Wax MK, Futran ND, Rosenthal EL, Blackwell KE, Cannady S. Accidental dropping or misplacement of free flaps. **Laryngoscope**. 2015 Aug;125(8):1807-10. PMID: 25877212.
72. Rosenthal EL, Chung TK, Parker WB, Allan PW, Clemons L, Lowman D, Hong J, Hunt FR, Richman J, Conry RM, Mannion K, Carroll WR, Nabell L, Sorscher EJ. Phase I dose-escalating trial of Escherichia coli purine nucleoside phosphorylase and fludarabine gene therapy for advanced solid tumors. **Ann Oncol**. 2015 Jul;26(7):1481-7. PMID: 25899782.

---

**MANUSCRIPTS PRINTED IN SCIENTIFIC JOURNALS (Continued):**

73. de Boer E, Moore LS, Warram JM, Huang CC, Brandwein-Gensler MS, van Dam GM, Rosenthal EL, Schmalbach CE. On the horizon: Optical imaging for cutaneous squamous cell carcinoma. **Head Neck**. 2015 Apr 20. [Epub ahead of print] PMID: 25899874.
74. Rosenthal EL, Warram JM, de Boer E, Chung TK, Korb ML, Brandwein-Gensler M, Strong TV, Schmalbach CE, Morlandt AB, Agarwal G, Hartman YE, Carroll WR, Richman JS, Clemons LK, Nabell LM, Zinn KR. Safety and Tumor Specificity of Cetuximab-IRDye800 for Surgical Navigation in Head and Neck Cancer. **Clin Cancer Res**. 2015 Aug 15;21(16):3658-66. PMID: 25904751.
75. Chung TK, Rosenthal EL, Porterfield JR, Carroll WR, Richman J, Hawn MT. Intraoperative Nerve Monitoring and Vocal Cord Paralysis: Controlling Bias: In reply to Nguyen and Wang. **J Am Coll Surg**. 2015 May;220(5):973-4. PMID: 25907881.
76. Warram JM, de Boer E, Korb M, Hartman Y, J, Markert JM, Gillespie GY, Rosenthal EL. Fluorescence-guided resection of experimental malignant glioma using cetuximab-IRDye 800CW. **Br J Neurosurg**. 2015 Jun 15:1-9. [Epub ahead of print] PMID: 26073144.
77. Warram JM, de Boer E, Moore LS, Schmalbach CE, Withrow KP, Carroll WR, Richman JS, Morlandt AB, Brandwein-Gensler M, Rosenthal EL. A threshold for determining presence of cancer during fluorescence-guided surgery. **J Surg Oncol**. 2015 Jul;112(1):2-8. PMID: 26074273.
78. de Boer E, Warram JM, Tucker MD, Hartman YE, Moore LS, de Jong JS, Chung TK, Korb ML, Zinn KR, van Dam GM, Rosenthal EL, Brandwein-Gensler MS. In Vivo Fluorescence Immunohistochemistry: Localization of Fluorescently Labeled Cetuximab in Squamous Cell Carcinomas. **Sci Rep**. 2015 Jun 29;5:10169. PMID: 26120042.
79. de Boer E, Samuel S, French DN, Warram JM, Schoeb TR, Rosenthal EL, Zinn KR. Biodistribution Study of Intravenously Injected Cetuximab-IRDye700DX in Cynomolgus Macaques. **Mol Imaging Biol**. 2016 Apr;18(2):232-42. PMID: 26335283.
80. Weaver AN, Cooper TS, Rodriguez M, Trummell HQ, Bonner JA, Rosenthal EL, Yang ES. DNA double strand break repair defect and sensitivity to poly ADP-ribose polymerase (PARP) inhibition in human papillomavirus 16-positive head and neck squamous cell carcinoma. **Oncotarget**. 2015 Sep 29;6(29):26995-7007. PMID: 26336991.
81. Rosenthal EL, Warram JM, de Boer E, Basilion JP, Biel MA, Bogyo M, Bouvet M, Brigman BE, Colson YL, DeMeester SR, Gurtner GC, Ishizawa T, Jacobs PM, Keereweer S, Liao JC, Nguyen QT, Olson JM, Paulsen KD, Rieves D, Sumer BD, Tweedle MF, Vahrmeijer AL, Weichert JP, Wilson BC, Zenn MR, Zinn KR, van Dam GM. Successful Translation of Fluorescence Navigation During Oncologic Surgery: A Consensus Report. **J Nucl Med**. 2016 Jan;57(1):144-50. PMID: 26449839.
82. McQueen N, Partington EJ, Harrington KF, Rosenthal EL, Carroll WR, Schmalbach CE. Smoking Cessation and Electronic Cigarette Use among Head and Neck Cancer Patients. **Otolaryngol Head Neck Surg**. 2016 Jan;154(1):73-9. PMID: 26519457.

---

**MANUSCRIPTS PRINTED IN SCIENTIFIC JOURNALS (Continued):**

83. Liu JC, Pynnonen MA, St John M, Rosenthal EL, Couch ME, Schmalbach CE. Grant-Writing Pearls and Pitfalls: Maximizing Funding Opportunities. **Otolaryngol Head Neck Surg.** 2016 Feb;154(2):226-32. PMID: 26626133.
84. Kejner AE, Rosenthal EL. Lower facial reanimation techniques following cancer resection and free flap reconstruction. **Laryngoscope.** 2016 Jan 25. PMID: 26808491.