

CURRICULUM VITAE

Susannah G. (Yovino) Ellsworth, M.D.

21 Apr 2020

Address: Department of Radiation Oncology, UPMC Hillman Cancer Center
5115 Centre Ave., Pittsburgh, PA 15232

Telephone: (412) 623-5230 **e-mail:** ellsworths3@upmc.edu

Current Appointment (Visiting) Associate Professor, Radiation Oncology, UPMC Hillman Cancer Center

Prior Appointments

Apr 2015 – Feb 2020 Assistant Professor & Residency Program Director, Radiation Oncology, Indiana University School of Medicine (April 2015 – Present)

Education and Training

Undergraduate: B.A. (International Studies), Johns Hopkins University, Baltimore, MD (1996-2000)

Doctoral: M.D., University of Maryland, School of Medicine, Baltimore, MD (2001-2005)

Postdoctoral

Jul 2005 – Jun 2006 Internship, Medicine, University of Maryland Medical Center, Baltimore, MD

Jul 2006 – Jun 2009 Residency, Radiation Oncology, University of Maryland Medical Center

Jul 2009 – Jun 2010 Chief Resident, Radiation Oncology, University of Maryland Medical Center

Jul 2010 – Jun 2012 Fellowship/Research Training in Neuro-Oncology (NIH T32 Training Grant)
Johns Hopkins University School of Medicine

Jul 2012 – Jun 2014 Fellowship (Pain and Palliative Medicine), Johns Hopkins University School of
Medicine

CLINICAL

Certifications/Licensure

- March 2011: Maryland State Medical License, No. D0071963
- May 2011: Board Certified in Radiation Oncology (American Board of Radiology)
- February 2015: Indiana State Medical License, No. 01075059A
- March 2020: Pennsylvania State Board of Medicine, No. MD469972

AWARDS & HONORS

Teaching

- 2017 Association of Residents in Radiation Oncology (ARRO) Teacher of the Year Award

Research

- 2012 Outstanding Resident/Fellow Abstract, *Conquer Cancer Foundation Merit Award*, American Society of Clinical Oncology
- 2012 Selected Participant, *AACR/ASCO Workshop Methods in Clinical Cancer Research*, American Association for Cancer Research/American Society of Clinical Oncology
- 2012 Markers in Cancer 2012 Merit Award, *Conquer Cancer Foundation*, American Society of Clinical Oncology

PROFESSIONAL DEVELOPMENT

- 2018 Leadership in Academic Medicine (LAMP); Indiana University School of Medicine Faculty Development Office

TEACHING

Education

- 2015 – Present Clinical preceptor, Gastrointestinal Malignancies Service, Radiation Oncology, Indiana University School of Medicine
- 2015 – Present Faculty supervisor for twice-weekly resident teaching conferences (Gastrointestinal Malignancies, Palliative Radiation, and Research Design and Ethics months)

Curriculum Development

- 2016 – Present Supervisor/designer for annual resident protocol development workshop

Mentoring

Student/Resident Research Sponsorships

- 2008 Charles Rutter: Outcomes with PEG tube placement in head and neck cancer patients.
- 2008 Anna Strongin: Tumor volume and survival in head and neck cancer patients treated with chemoradiation.
- 2009 Bert Maidment: Patterns of failure among patients with pancreatic cancer undergoing IMRT-planned adjuvant chemoradiation.
- 2012 Aaron Wild: Correlation between degree of lymphopenia and radiation technique/treatment field size in patients with pancreatic cancer
- 2013 Sara Alcorn: Modeling survival in patients receiving radiation therapy for bone metastasis
- 2015 Gina Rebesco: Immunologic outcomes in HIV+ patients treated with radiation therapy
- 2015 David Long: Functional liver image-guided hepatic radiation therapy (Ongoing; mentee selected for AACR/ASCO Methods in Clinical Cancer Research Workshop “Vail course”)
- 2017 James Galle: Effects of proton center closure on resident education in pediatric radiation oncology
- 2018 Anirudh Yalamanchali: Analysis of changes in lymphocyte subsets following hypofractionated vs. conventionally fractionated external beam radiation (Ongoing)

RESEARCH ACTIVITIES

Active Grants

- 2015 – present Indiana Biomedical Research Grant, “Investigating the effects of circulating blood doses on circulating lymphocyte subtypes and cytokine levels in patients undergoing external beam radiation therapy”; \$50,000 over 2 years.
- 2018 – present Indiana University Health Values Grant: “Methods of calculating dose to the immune system during external beam radiation therapy for cancer”; \$150,000 over 3 years

SERVICE/ORGANIZATIONAL ACTIVITIES

Patient Care

- 2020 – Present Primary specialist in GI radiation oncology at UPMC Hillman Cancer Center
- 2015 – 2020 Primary specialist in GI radiation oncology at IU Simon Cancer Center

Clinical Research

- Principal investigator, IUSCC 0565 (Pilot study of stereotactic body radiation in pancreatic cancer)
- Principal investigator, IUSCC 0582 (Prospective analysis of immune status in patients treated with hypofractionated vs. conventionally fractionated radiation therapy)
- Principal investigator, IUSCC 0604 (Prospective study of functional liver image guided hepatic therapy in patients undergoing SBRT for liver tumors)

University Service

- 2015 – Present *Graduate Medical Education Committee, Indiana University School of Medicine*
- 2016 – Present *Scientific Review Committee, Indiana University Simon Cancer Center*
- 2017 – Present *IUPUI Faculty Council Research Affairs Committee*
- 2017 – Present *Annual Program Review Evaluation Subcommittee of the IU GMEC*

National Organizations

- 2015 – Present NRG Gastrointestinal Committee (Colorectal and Non-Colorectal Subcommittees)
2018 – Present Co-chair, Symposium on Radiation Effects on the Immune System

Editorial Activities

- 2009 – Present Peer reviewer, *International Journal of Radiation Oncology Biology Physics*
2012 – Present Peer reviewer, *Radiotherapy and Oncology*
2019 – Present Peer reviewer, *Radiation Research*
2019 – Present Peer reviewer, *Cancer Management and Research*

Professional Societies

- 2002 – Present Radiological Society of North America
2006 – Present American Society for Therapeutic Radiology and Oncology
2006 – Present Simon Kramer Society
2006 – Present American Society for Clinical Oncology

PUBLICATIONS

Original Science Articles

1. DiBiase S, Kwok Y, **Yovino S**, Arena C, Temple R, Regine W, Amin P, Chin L. Factors predicting local tumor control after gamma knife stereotactic radiosurgery for benign intracranial meningiomas. *International Journal of Radiation Oncology Biology Physics* 2004 Nov 15;60(4):1106-12.
2. **Yovino S**, Kwok Y, Krasna M, Bangalore M, Suntharalingam M. An association between preoperative anemia and decreased survival in early-stage non-small cell lung cancer treated with surgery alone. *International Journal of Radiation Oncology Biology Physics* 2005 Aug 1;62(5):1438-4.
3. **Yovino S**, Darwin P, Daly B, Garofalo M, Moesinger R. Predicting unresectability in pancreatic cancer: The additive effects of CT scan and endoscopic ultrasound. *J Gastrointest Surg* 2007 Jan;11(1):36-42.
4. **Yovino S**, Settle K, Taylor R, Wolf J, Kwok Y, Cullen K, Ord R, Zimrin A, Strome S, Suntharalingam M. Can neck dissection be deferred in patients with squamous cell carcinoma of the head and neck with a complete response to chemoradiotherapy? *Head and Neck* 2010 Jan; 32(1): 46-52.
5. Sowa M, Goetz W, Baulch J, Pyles D, Dziegielewska J, **Yovino S**, Snyder A, de Toledo S, Azzam E, Morgan WF. Lack of evidence for low-LET radiation induced bystander response in human fibroblast and colon cancer cells. *International Journal of Radiation Biology* 2010 Feb; 86(2): 102-13.
6. **Yovino S**, Poppe M, Jabbour S, David V, Garofalo M, Pandya N, Hanna N, Alexander R, Regine WF. Intensity-modulated radiation therapy significantly improves acute gastrointestinal toxicity in pancreatic and ampullary cancers: a multi-institutional experience. *International Journal of Radiation Oncology Biology Physics* 2011 Jan 1; 79(1): 158-62.
7. Szerlip N, Ram N, Rutter C, **Yovino S**, Kim E, Maggio W, Regine WF. The effects of glycemic control on volumetric white matter changes after whole brain radiation. *Journal of Neuro-Oncology* 2011 May; 103(1): 111-19.
8. Rutter C, **Yovino S**, Taylor R, Wolf J, Cullen K, Ord R, Athas M, Strome S, Suntharalingam M. Impact of early percutaneous endoscopic gastrostomy tube placement on nutritional status and hospitalization in head and neck cancer patients receiving chemoradiation. *Head and Neck* 2011 Oct;33(10): 1441-7.
9. Strongin A, **Yovino S**, Taylor R, Wolf J, Cullen K, Ord R, Strome S, Suntharalingam M. Primary tumor volume is an important predictor of outcomes among patients with locally advanced squamous cell carcinoma of the head and neck receiving definitive chemoradiation. *International Journal of Radiation Oncology Biology Physics* 2012 Apr 1; 82(5): 1823-30.
10. **Yovino S**, Maidment B, Herman J, Pandya N, Goloubeva O, Wolfgang C, Schulick R, Laheru D, Hanna N, Alexander HR, Regine WF. Analysis of local control in patients receiving IMRT for resected pancreas cancer. *International Journal of Radiation Oncology Biology Physics* 2012 Jul 1; 83(3): 916-20.
11. **Yovino S**, Kleinberg L, Grossman SA, Ford E. Modeling dose to circulating lymphocytes during focal intracranial radiation therapy: effects of target volume size, dose rate, and treatment technique. *Cancer Investigation* 2013 Feb; 31(2): 140-44.

12. Wild AT, Ye X, **Ellsworth S**, Smith JA, Narang AK, Garg T, Campian J, Laheru DA, Zheng L, Wolfgang CL, Tran PT, Grossman SA, Herman JM. The association between chemoradiation-induced lymphopenia and clinical outcomes in patients with locally advanced pancreatic adenocarcinoma. *American Journal of Clinical Oncology* 2015 Jun 38(3): 259-65.
13. Herman JM, Fan KY, Wild AT, Hacker-Prietz A, Wood LD, Blackford AL, **Ellsworth S**, Zheng L, Le DT, Dejesus-Acosta A, Hidalgo M, Donehower RC, Schulick RD, Edil BH, Choti MA, Hruban RH, Pawlik TM, Cameron JL, Laheru DA, Wolfgang CL. Phase 2 study of erlotinib combined with adjuvant chemotherapy and chemoradiation in patients with resectable pancreatic cancer. *Int J Radiat Oncol Biol Phys* 2013 Jul 15; 86(4): 678-85.
14. **Ellsworth S**, Alcorn S, Hales R, Dewese T, McNutt T, Smith TJ. Patterns of care among patients receiving radiation therapy for bone metastasis at a single large academic institution. *Int J Radiat Oncol Biol Phys* 2014 Aug; 89(5): 1100-05.
15. **Ellsworth S**, Balmanoukian A, Kos F, Nirschl C, Luznik L, Grossman SA, Drake C. Sustained CD4+ T cell-driven lymphopenia without a compensatory IL-7/IL-15 response among high-grade glioma patients treated with radiation and temozolomide. *Oncoimmunology* 2014 Jan 1;3(1): e27357.
16. Dholakia AS, Kumar R, Raman SP, Moore JA, **Ellsworth S**, McNutt T, Laheru DA, Jaffee E, Cameron JL, Tran PT, Hobbs RF, Wolfgang CL, Herman JM. Mapping patterns of local recurrence after pancreaticoduodenectomy for pancreatic adenocarcinoma: a new approach to radiation field design. *Int J Radiat Oncol Biol Phys* 2013 Dec; 87(5): 1007-15.
17. **Ellsworth S**, Grossman SA, Ye X. Clinical, radiographic, and pathologic findings in patients undergoing reoperation following radiation and temozolomide for newly diagnosed glioblastoma. *Am J Clin Oncol* 2014 Oct 21(e-pub ahead of print).
18. Wild AT, Dholakia AS, Fan KY, Kumar R, Moinigi S, Rosati LM, Laheru DA, Zheng L, De Jesus-Acosta A, **Ellsworth SG**, Hacker-Prietz A, Voong KR, Tran PT, Hruban RH, Pawlik TM, Wolfgang CL, Herman JM. Efficacy of platinum chemotherapy agents in the adjuvant setting for adenosquamous carcinoma of the pancreas. *J Gastrointest Oncol* 2015 Apr;6(2): 115-25.
19. Grossman SA, **Ellsworth S**, Campian JL, Wild AT, Herman JM, Laheru D, Brock M, Balmanoukian A, Ye X. Survival in patients with lymphopenia following treatment with radiation and chemotherapy for newly diagnosed solid tumors. *J Natl Comprehensive Cancer Network* 2015; in press.
20. Miljkovic M, Grossman SA, Ye X, **Ellsworth S**, Terezakis S. Patterns of radiation-associated lymphopenia in children with cancer. *Cancer Invest* 2016 Jan 8: 1-7. (e-pub ahead of print)
21. Wild AT, Herman JM, Dholakia AS, Moinigi S, Lu Y, Rosati LM, Hacker-Prietz A, Assadi RK, Saeed AM, Pawlik TM, Jaffee EM, Laheru DA, Tran PT, Weiss MJ, Wolfgang CL, Ford E, Grossman SA, Ye X, **Ellsworth SG**. Lymphocyte-sparing effect of stereotactic body radiation therapy in patients with unresectable pancreatic cancer. *Int J Radiat Oncol Biol Phys* 2016 Mar 1;94(3):571-9.
22. Fan KY, Wild AT, Halappa VG, Kumar R, **Ellsworth S**, Ziegler M, Garg T, Rosati LM, Su Z, Hacker-Prietz A, Pawlik TM, Cosgrove DP, Hong KK, Kamel IR, Geschwind JF, Herman JM. Neuroendocrine tumor liver metastases treated with yttrium-90 radioembolization. *Contemp Clin Trials* 2016 Sep;50:143-9.
23. **Ellsworth SG**, Rabatic BM, Chen J, Zhao J, Campbell J, Wang W, Pi W, Stanton P, Matuszak M, Jolly S, Miller A, Kong FM. Principal component analysis identifies patterns of cytokine expression in non-small cell lung cancer patients undergoing definitive radiation therapy. *PLoS One*. 2017 Sep 21;12(9):e018239.
24. Galle JO, Long DE, Lautenschlaeger T, Zellars RC, Watson GA, **Ellsworth SG**. Effects of proton center closure on pediatric case volume and resident education at an academic cancer center. *Int J Radiat Oncol Biol Phys* 2018 Mar 1;100(3): 710-18.
25. Long DE, Tann M, Huang K, Bartlett G, Furukawa Y, Galle JO, Maluccio M, Cox JA, Kong F, **Ellsworth SG**. Maximizing the potential of functional imaging to guide liver SBRT planning: Hepatobiliary iminodiacetic acid (HIDA) scans and functional liver image-guided radiation therapy (FLIGHT). *Pract Radiat Oncol* 2018 Nov-Dec; 8(6):429-36.
26. Cerra-Franco A, Liu S, Azar M, Shiue K, Freije S, Hinton J, Deig CR, Edwards D, Estabrook NC, **Ellsworth SG**, Huang K, Diab K, Langer MP, Zellars R, Kong FM, Wan J, Lautenschlaeger T. Predictors of nodal and metastatic failure in early stage non-small cell lung cancer after stereotactic body radiation therapy. *Clin Lung Cancer* 2018 Dec 29. pii: S1525-7304(18)30353-X. [e-pub ahead of print]
27. Holdhoff M, Levy M, **Ellsworth SG**, Grossman SA. Aquaporin-4 expression patterns in glioblastoma pre-chemoradiation and at time of suspected progression. *ICNV: Cancer investigation*. In press.

28. McClelland S III, Agrawal N, Shiue K, Bartlett GK, Zellars RC, Watson GA, **Ellsworth SG**. Nearly half of metastatic brain disease patients prescribed ten fractions of whole brain radiation therapy die without completing treatment. *J Pain Symptom Manage* 2019 (in press)
29. Furukawa Y, Long DE, **Ellsworth SG**. Functional liver image-guided hepatic therapy (FLIGHT): a technique to maximize hepatic functional reserve. *Med Dosim* 2019 (in press).
30. Wang W, Huang L, Jin J-Y, Pi W, **Ellsworth SG**, Jolly S, Mellor AL, Machtay M, Kong F-M. A validation study on IDO immune biomarkers for survival prediction in non-small cell lung cancer: radiation dose fractionation effect in early-stage disease. *Clin Cancer Res* 2019 (in press).
31. **Ellsworth SG**, Yalamanchali A, Zhang H, Grossman SA, Hobbs R, Jin JY. Comprehensive analysis of the kinetics of radiation induced lymphocyte loss in patients treated with external beam radiation therapy. *Radiat Res* 2020 Jan;193(1):73-81.

Review Articles

1. **Yovino S**, Kwok Y. "Update on radiation-based therapies in prostate cancer." *Current Opinion in Oncology*. 2010 May; 22(3): 257-62.
2. **Yovino S**, Grossman SA. "Treatment of glioblastoma in elderly patients." *Current Opinion in Oncology*. 2011 Sep; 12(3): 253-62.
3. **Yovino S**, Grossman SA. "Severity, etiology, and possible consequences of treatment-related lymphopenia in patients with newly diagnosed high-grade gliomas." *CNS Oncology*. 2012 Nov; 1(2): 149-54.
4. Holdhoff M, **Yovino S**, Boadu O, Grossman SA. Blood-based biomarkers for malignant gliomas. *J Neurooncol* 2013 Jul; 113(3): 345-52.
5. Erdek M, King L, **Ellsworth S**. Pain management and palliative care in pancreatic cancer. *Current Problems in Cancer*. 2013 Sep; 37(5): 266-72.
6. Fogel EL, Shahda S, Sandrasegaran K, DeWitt J, Easler JJ, Agarwal DM, Eagleson M, Zyromski NJ, House MG, **Ellsworth S**, El Hajj J, O'Neil BH, Nakeeb A, Sherman S. A multidisciplinary approach to pancreas cancer in 2016. A review. *Am J Gastroenterol* 2017 Apr;112(4):537-54.
7. **Ellsworth SG**. Relationship between field size and the risk and severity of radiation induced immunosuppression (Invited Review). *Adv Radiat Oncol, (Special Edition on Immunotherapy and Radiation Oncology)* 2018 Oct 23;3(4): 512-19.
8. Grassberger C, **Ellsworth SG**, Wilk M, Keane FK, Loeffler J. Assessing the interactions between radiotherapy and antitumour immunity. *Nat Rev Clin Oncol* 2019 Dec;16(12):729-745

Book Chapters

1. **Yovino S**, Kwok Y, Regine WF. Brain and Cranial Nerves. In: *ALERT: Adverse Late Effects of Cancer Treatment, Volume 2: Specific Normal Tissue Sites*. Rubin P, Constine L, Marks L, Williams J, Hansen J. New York, NY: Springer-Verlag, 2010.
2. **Yovino S**, Smith T. Introduction: Radiation therapy and palliative care. In: *Radiation Therapy in Palliative Cancer Care*. Lutz, S, Hoskin P, Chow E. New York, NY: Wiley (In press).
3. Usuki K, **Ellsworth S**, Chmura ST, Milano MT. Radiation necrosis. In: *Image-Guided Hypofractionated Stereotactic Radiosurgery*. Sahgal A, Lo SS, Ma L, Sheehan JP. Boca Raton, FL: CRC Press, 2016.
4. **Ellsworth SG**, Grossman SA. Mechanisms of immune suppression in glioblastoma patients. In: *Immunotherapeutic Strategies for the Treatment of Glioma*. Lim M, Jackson C. Amsterdam, Netherlands: Elsevier.

Editorials/Letters to the Editor

1. **Ellsworth S**, Smith T, Lutz S. Radiation oncologists, mortality, and treatment choices: a commentary on "How radiation oncologists evaluate and incorporate life expectancy estimates into the treatment of palliative cancer patients – a survey-based study." *Int J Radiat Oncol Biol Phys* 2013 Nov; 87(3): 437-9.
2. **Ellsworth S**. Methylprednisolone for the prophylaxis of pain flare: commentary on Yousef and el-Mashad. *J Pain Symptom Manage* 2014 Nov;48(5): 759.
3. **Ellsworth S**, Grossman SA. Comment on Wong et al., "Dexamethasone exerts profound immunologic interference on treatment efficacy for recurrent glioblastoma". *Br J Cancer* 2015 Dec 1;113(11): 1632-3.
4. Long DE, **Ellsworth SG**. Comment on Schaub et al., "Functional liver imaging and dosimetry to predict hepatotoxicity risk in cirrhotic patients with primary liver cancer". *Int J Radiat Oncol Biol Phys* 2019 (in press).

Presentations

1. **Yovino S**, BA, Kwok Y, Krasna M, Bangalore M, Suntha M. Preoperative anemia decreases survival in patients with stage I and II non-small-cell lung cancer treated with surgery. *Poster Presentation*, Annual Meeting of the American Society for Therapeutic Radiology and Oncology, Atlanta, GA, October 2004.
2. **Yovino S**, Darwin P, Daly B, Garofalo M, Moesinger R. Predicting unresectability in pancreatic cancer: The additive effects of CT scan and endoscopic ultrasound. *Poster Presentation*, Digestive Disease Week, Society for Surgery of the Alimentary Tract, May 2006.
3. **Yovino S**, Settle K, Taylor R, Wolf J, Kwok Y, Cullen K, Ord R, Zimrin A, Strome S, Suntharalingam M. Can neck dissection be deferred in patients with squamous cell carcinoma of the head and neck with a complete response to chemoradiotherapy? *Oral Presentation*, Annual Meeting of the American Society for Therapeutic Radiology and Oncology, Los Angeles, CA, October 2007.
4. **Yovino S**, Garofalo MC, David V, Poppe M, Jabbour S, Hanna N, Alexander R, Pandya N, Doyle A, Regine WF. Intensity modulated radiation therapy (IMRT) significantly improves acute gastrointestinal toxicity in pancreatic and ampullary cancers: A multi-institutional experience. *Poster Presentation*, Annual Meeting of the American Society of Therapeutic Radiology and Oncology, Boston, MA, September 2008.
5. **Yovino S**, Rutter C, Szerlip N, Kwok Y, Maggio M, Regine WF. Long-term survivors of brain metastases have optimal brain tumor control with combined whole brain radiation and stereotactic radiosurgery. *Poster Presentation*, Annual Meeting of the American Society for Therapeutic Radiology and Oncology, Chicago, IL, November 2009.
6. **Yovino S**, Ye X, Grossman S. Pathologic findings and survival after early reoperation for glioblastoma multiforme. *Poster Presentation*, Annual Meeting of the American Society for Therapeutic Radiology and Oncology, Miami, FL, October 2011.
7. **Yovino S**, Kleinberg L, Grossman SA, Ford E. Modeling dose to circulating lymphocytes during intracranial radiotherapy. *Poster Discussion*, Annual Meeting of the American Society of Clinical Oncology, Chicago, IL, June 2012.
8. **Yovino S**, Grossman SA, Dulloor P, Holdhoff M, Everett A. Preliminary results of a biomarker discovery project in patients with malignant glioma. *Poster Presentation*, ASCO Markers in Cancer 2012, Hollywood, FL, October 2012
9. **Yovino S**, Balmanoukian A, Ye X, Campian J, Hess A, Fuchs E, Grossman S. Lack of cytokine response to decreased lymphocyte counts in patients receiving radiation and temozolomide for malignant glioma. *Poster Presentation*, Society for Neuro-Oncology Annual Meeting, Washington, DC, November 2012.
10. **Ellsworth S**, Campian JL, Wild AT, Grossman SG, Sarai G, Gearhart S, Azad N, Hacker-Prietz A, Shin EJ, Herman JM. Sparing circulating lymphocyte populations with endorectal brachytherapy. *Poster Presentation*, Annual Meeting of the American Society for Therapeutic Radiology and Oncology, Atlanta, GA, September 2013.
11. **Ellsworth S**, Sopha S, Drake C, Campian JL, Gearhart S, Azad N, Hacker-Prietz A, Grossman SA, Herman JM. Changes in circulating lymphocyte counts and tumor-infiltrating lymphocyte subpopulations among patients receiving endorectal brachytherapy for rectal adenocarcinoma. *Poster Presentation*, American Society for Clinical Oncology Gastrointestinal Cancers Symposium, San Francisco, CA, January 2014
12. Alcorn S, Smith T, McNutt T, Cheng J, Dy SM, Hales R, Deweese T, **Ellsworth S**. Patterns of palliative radiation near the end of life: a single-institution analysis. *Poster Presentation*, Annual meeting of the American Society for Clinical Oncology, Chicago, IL, June 2013.
13. Rebesco GM, Althouse S, Fife K, Grossman SA, **Ellsworth S**. Radiation-induced lymphopenia and virologic outcomes in HIV-positive patients undergoing radiation for cancer. *Poster Presentation*, Annual Meeting of the American Society for Radiation Oncology, Boston, MA, September 2016.
14. **Ellsworth SG**, Chen J, Wang W, Matuszak M, Ten Haken R, Jolly S, Kong FM. Effects of fractionation schedule on expression patterns of clinically significant circulating cytokines during radiation therapy for lung cancer. *Poster Presentation*, Annual meeting of the American Society for Radiation Oncology, San Diego, CA, September 2017.
15. Long D, Tann M, Galle J, Yao H, Pi W, Kong FM, **Ellsworth SG**. Identification of novel prognostic factors via volumetric analysis in patients with hepatocellular carcinoma treated with liver stereotactic body radiation therapy. *Poster Presentation*, Annual meeting of the American Society for Radiation Oncology, San Diego, CA, September 2017.

16. Long D, Tann M, Galle J, Furukawa Y, Kong FM, **Ellsworth SG**. Baseline hepatobiliary iminodiacetic acid (HIDA) scans may predict toxicity after liver stereotactic body radiation therapy. *Oral Presentation*, Annual meeting of the Radiological Society of North America, Chicago, IL, November 2017.
17. **Ellsworth SG**. Towards a deeper understanding of the pathophysiology of radiation-induced lymphopenia. *Radiation Oncology Grand Rounds* (Invited Speaker), University of Texas MD Anderson Cancer Center, December 12, 2017.
18. **Ellsworth SG**, Mereniuk T, Zhang H, Herman JM, Grossman SA, O'Neil BH, Shahda S, Mohan RM, Kong FM, Jin JY. Kinetics and dosimetric predictors of acute radiation-induced lymphopenia in upper abdominal malignancies. *Poster Presentation*, American Society for Clinical Oncology Gastrointestinal Cancers Symposium, San Francisco, CA, January 2018.
19. **Ellsworth SG**, Zhang H, Mereniuk TR, Agrawal N, Zellars RC, Kong FM, Jin JY. Factors affecting kinetics of radiation induced lymphopenia in patients with gastrointestinal cancer. *Poster Presentation*, Annual Meeting of the American Society for Radiation Oncology, San Antonio, TX, September 2018.