

CURRICULUM VITAE

BALDASSARRE (DINO) STEA, Ph.D., M.D.

Date and Place of Birth: March 1, 1951; Adelfia (Bari), Italy

Citizenship: U.S.A. (1980)

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EDUCATION:

1979-1983 - M.D.	George Washington University, Washington, D.C.
1976-1979 - Ph.D.	(Biochemistry), UCLA, Los Angeles, CA (March 1979) Dissertation title: Abnormalities of Folic Acid and related Pteridines in Cancer cells Advisor: Robert Smith, Ph.D.
1974-1976 - M.S.	(Biochemistry), UCLA, Los Angeles, CA (June 1976)
1972-1974 - B.S.	(Biochemistry), UCLA, Los Angeles, CA (June 1974)

CLINICAL TRAINING:

1984-1987	Residency in Radiation Oncology, National Cancer Institute, National Institutes of Health, Bethesda, MD
1983-1984	Internship (Medicine), George Washington University Medical Center, Washington, D.C.

LICENSURE AND BOARD CERTIFICATION:

1984 - Diplomate of the National Board of Medical Examiners
1987 - Diplomate of the American Board of Radiology (Radiation Oncology)
1987 - Arizona Medical License #17065

ACADEMIC AND PROFESSIONAL APPOINTMENTS:

2003-present	Head, Department of Radiation Oncology, University of Arizona
2002-2003	Acting head, Department of Radiation Oncology, University of Arizona
2002 Arizona	Professor (with tenure), Department of Radiation Oncology, University of Arizona

1997-present	Medical Director, Department of Radiation Oncology, University Medical Center, Tucson, AZ
1995-1998	Residency Program Director, Department of Radiation Oncology, University of Arizona, College of Me
1995	Courtesy Consultant, Northwest Hospital, Tucson, AZ
1994	Associate Staff, St. Joseph's Hospital, Tucson, AZ
1994	Courtesy Staff, Tucson Medical Center, Tucson, AZ
1993-02	Associate Professor (with tenure), Department of Radiation Oncology, University of Arizona, College of Medicine, Tucson, AZ
1990 AZ.	Consultant in Radiation Oncology, Veterans Administration Medical Center, Tucson,
1987-1993	Assistant Professor, Department of Radiation Oncology, University of Arizona, College of Medicine, Tucson, AZ
1984-1987	Medical Staff Fellow, Radiation Oncology Branch, National Cancer Institute NIH, Bethesda, MD
1983-1984	Intern in Medicine, George Washington University Hospital
1981 Laboratory	Summer Research Fellow, The George Washington University, Cancer Research
1980	Summer Research Fellow, University of Bari (Italy), Department of Biological Chemistry
1976-1979	NIH/NRSA Predoctoral Trainee, UCLA, Department of Chemistry
1979	Postdoctoral Fellow, University of California at Los Angeles, Department of Chemistry
1977-1978	Teaching Fellow, UCLA, Department of Chemistry
1976-1977	Teaching Associate, UCLA, Department of Chemistry
1975-1977	Research Associate, UCLA, Department of Chemistry
1974-1975	Teaching Assistant, UCLA, Department of Chemistry
1973-1974	Research Assistant, UCLA, Department of Surgery/Oncology

HONORS AND OTHER SCIENTIFIC RECOGNITIONS:

Admitted to the Honors Program, UCLA (January 1974)
Graduated cum laude, UCLA (June 1974)
NIH/NRSA Predoctoral Trainingship, UCLA (1976-1979)
Recipient of the Phi Beta Kappa Alumni Association Scholarship (1978)
Travel Award to the 1st Pathobiology of Cancer Workshop (Keystone, CO 1978)
Research Grant award from the Italian National Research Council (1980)
ALPHA OMEGA ALPHA Medical Society (1982)

The “Hubon W. Lawson Award” for Most Outstanding Student in OB/GYN (1983)
The Lemmon Company Award” for Most Outstanding Student in Medicine (1983)
The Howard K. Kane - A.F.A. King Obstetrical Honor Society (1983)
American Cancer Society - Clinical Oncology Career Development Award (1989)
Travel Grant Award to Paris, France for the 17th International Congress of Radiology;
Office of International Programs, University of Arizona, (1989)
Recipient of ASTRO award to attend the European Society for Therapeutic Radiology and Oncology
(ESTRO) meeting in Montecatini, Italy, September 12-15, (1990)
Travel Grant Award to attend the European Society for Therapeutic Radiology and Oncology
(ESTRO) meetings in Montecatini, (Italy), Office of International Programs, University of Arizona
(1990)
Travel Grant Award from the Office of International Programs to attend the First International
Symposium on Neuro-Radio-Surgery in Vienna, Austria; October 11-14, 1992
“Patient’s Choice Award” from UMC for Outstanding Communication and Quality Care
(1994, 1995, 1998)
Travel Grant Award from the Office of International Programs to attend the VII International
Congress on Hyperthermic Oncology in Rome, Italy; April 9-13, 1996
Listed in “*The Best Doctors in America: Pacific Region*”, 1996-1997 Edition Strathmore’s “*Who’s Who*”,
2001-2002 Registry
Recipient of the first annual Physician Award from the UMC Board of Directors (May 2006)
Faculty Teaching Award-Longitudinal Clinical Curriculum preceptor of the year (2006)
Listed in “*The Best Cancer Doctors in America*” continuously since 1998
Fellow of ASTRO nomination (ASTRO meeting, Miami Beach, Fl 2011)
Caregiver of the month at UAMC (March 2013)

Publications

Refereed Journal Articles:

1. Halpern, R.M., Halpern, B.C., **Stea, B.**, Dunlap, A., Conklin, K., Clark, B., Ashe, H., Sperling, L., Halpern, J.A., Hardy, D., and Smith, R.A. Pterion-6-aldehyde, a Cancer Cell Catabolite: Identification and Application in Diagnosis and Treatment of Human Cancer. Proc. Natl. Acad. Sci. USA 74:587-591, 1977.
2. **Stea, B.**, Backlund, P.S., Jr., Berkey, P.B., Cho, A.K., Halpern, B.C., Halpern, R.M., and Smith, R.A. Folate and Pterin Metabolism by Cancer Cells in Culture. Cancer Res. 38:2378-2384, 1978.
3. **Stea, B.**, Halpern, R.M., and Smith, R.A. Separation of Unconjugated Pteridines by High-pressure Cation-exchange Liquid Chromatography. J. Chromatog. 168:385-393, 1979.
4. **Stea, B.**, Halpern, R.M., Halpern, B.C., and Smith, R.A. Quantitative Determination of Pterins in Biological Fluids by High-pressure Liquid Chromatography. J. Chromatog. 188:363-375, 1980.
5. **Stea, B.**, Halpern, R.M., Halpern, B.C., and Smith, R.A. Urinary Excretion Levels of Unconjugated Pterins in Cancer Patients and Normal Individuals. Clin. Chim. Acta. 113:231-242, 1981.
6. **Stea, B.**, and Smith, R.A. Urinary Unconjugated Pteridines: General Considerations. Survey of Immunologic Research. 1:357, 1982.
7. **Stea, B.**, Kinsella, T., Triche, T., Horvath, K., Glatstein, E. and Miser, J. Treatment of Pelvic Sarcomas in Adolescents and Young Adults with Intensive Combined Modality Therapy. Int. J. Radiat. Oncol. Biol. Phys. 13:1797-1805, 1987.
8. **Stea, B.**, Cavazzana, A. and Kinsella, T.J. Small Cell Osteosarcoma: Correlation of In Vitro and Clinical Radiation Response. Int. J. Radiat. Oncol. Biol. Phys. 15:1233-1238, 1988.

9. Hynynen, K., Shimm, D., Anhalt, D., **Stea, B.**, Fosmire, H., Cassady, J.R., and Roemer, R.B. Temperature Distributions During Clinical Scanned Focussed Ultrasound Hyperthermia Treatments. *Int. J. Hyperthermia* 6:891-908, 1990.
10. Cress, A.E., Kurath, K.M. and **Stea, B.** The Cross-Linking of Nuclear Proteins to DNA Using Ionizing Radiation. *J. Cancer Research and Clinical Oncology*, 116:324-330, 1990.
11. Lulu, B.A., Lutz, W., Cetas, T. and **Stea, B.** Treatment Planning of Template Guided Stereotaxic Brain Implants. *Int. J. Radiat. Oncol. Biol. Phys.* 18:951-955, 1990.
12. McBride, H., **Stea, B.**, Hill, A. and Trent, J. Possible Relationship between Chromosome Alterations and Radiosensitivity in Human Malignant Melanoma. *Int. J. Radiat. Oncol. Biol. Phys.* 19:349-355, 1990.
13. **Stea, B.**, Cetas, T.C., Cassady, J.R., Guthkelch, A.N., Iacono, R., Lulu, B., Lutz, W., Obbens, E., Rossman, K., Seeger, J., Shetter, A. and Shimm, D.S. Interstitial Thermoradiotherapy of Brain Tumors: Preliminary Results of a Phase I Clinical Trial. *Int. J. Radiat. Oncol. Biol. Phys.* 19:1463-1471, 1990.
14. Guthkelch, A.N., Carter, L.P., Cassady, J.R., Hynynen, K., Iacono, R.P., Johnson, P.C., Obbens, E., Roemer, R., Seeger, J.F., Shimm, D.S. and **Stea, B.** Treatment of Malignant Brain Tumors with Focused Ultrasound Hyperthermia and Radiation: Results of a Phase I Trial. *J. Neuro-Oncology* 10:271-284, 1991.
15. Harari, P.M., Hynynen, K.H., Roemer, R.B., Anhalt, D.P., Shimm, D.S., **Stea, B.** and Cassady, J.R. Scanned Focused Ultrasound: Clinical Response Evaluation. *Int. J. Radiat. Oncol. Biol. Phys.* 21:831-840, 1991.
16. **Stea, B.**, Kittelson, J., Cassady, J.R., Hamilton, A., Guthkelch, N., Lulu, B., Obbens, E., Rossman, K., Shapiro, W., Shetter, A. and Cetas, T. Treatment of Malignant Gliomas With Interstitial Irradiation and Hyperthermia. *Int. J. Radiat. Oncol. Biol. Phys.* 24:657-667, 1992.
17. Fosmire, H., Hynynen, K., Drach, G., **Stea, B.**, Swift P. and Cassady, J.R. Feasibility and Toxicity of Transrectal Ultrasound Hyperthermia in the Treatment of Locally Advanced Adenocarcinoma of the Prostate. *Int. J. Radiat. Oncol. Biol. Phys.* 26:253-259, 1993.
18. **Stea, B.**, Buatti, J., Stringer, D. and Gerner, E.W. Inhibition of Polyamine Synthesis Suppresses Growth and Gamma-Ray-Induced Sublethal and Potentially Lethal Damage Recovery in Human Tumor Cells in Culture. *Radiat. Oncol. Investigation* 1:41-49, 1993.
19. Mack, C., **Stea, B.**, Kittelson, J., Shimm, D., Sneed, P., Phillips, T., Swift, P., Luk, K., Stauffer, P., Chan, K., Steeves, R., Cassady, J.R. and Cetas, T. Interstitial Thermoradiotherapy with Ferromagnetic Implants for Locally Advanced and Recurrent Neoplasms. *Int. J. Radiat. Oncol. Biol. Phys.* 27:109-115, 1993.
20. **Stea, B.**, Rossman, K., Kittelson, J., Lulu, B., Shetter, A., Cassady, J.R. and Hamilton, A. A Comparison of Survival Between Radiosurgery and Stereotactic Implants for Malignant Astrocytomas. *Acta Neurochirurgica* 62:47-54, 1994.
21. **Stea, B.**, Rossman, K., Kittelson, J., Shetter, A., Hamilton, A. and Cassady, J.R. Interstitial Irradiation Versus Interstitial Thermoradiotherapy for Supratentorial Malignant Gliomas: A Comparative Survival Analysis. *Int. J. Radiat. Oncol. Biol. Phys.* 30:591-600, 1994.
22. Leigh, B., **Stea, B.**, Cassady, J.R., Kittelson, J. and Cetas, T. Clinical Hyperthermia with a New Device: The Current Sheet Applicator. *Int. J. Radiat. Oncol. Biol. Phys.* 30:945-951, 1994.

23. Cheng, C.W., Das, I.J. and **Stea, B.** Three-dimensional Treatment Planning of the Breast: Requirement of the Number of CT Slices and Evaluation of Treatment Planning Systems. *Int. J. Radiat. Oncol. Biol. Phys.* 30:183-195, 1994
24. Gannett D, Woolridge D, **Stea B**, Hamilton A, Gerner E.W. Hypusine as a potential prognostic marker in glial derived brain tumors. *Int. J. of Radiat. Oncol. Biol. Phys.* 32(971):202-202, 1994.
25. Hamilton, A., Lulu, B., **Stea, B.**, and Cassady, J.R. A Technique Employing Silastic Anchoring Sheets for Securing Multiple, Percutaneous Catheters for Stereotactic Interstitial Brachytherapy for Intracranial Tumors. *Endocur. Hyperth. Oncol.* 10:157-160, 1994.
26. Hamilton, A., Lulu, B., Fosmire, H., **Stea, B.** and Cassady, J.R. Preliminary Clinical Experience with Linear Accelerator-based Spinal Stereotactic Radiosurgery. *Neurosurgery* 36:311-319, 1995.
27. Hamilton, A., **Stea, B.**, Cheng, C.W., and Lulu, B. The Use of Gold Foil Wrapping for Radiation Protection for the Spinal Cord for Recurrent Tumor Therapy. *Int. J. Radiat. Oncol. Biol. Phys.* 32:507-511, 1995.
28. Anderson, J.M., Cassady, J.R., Shimm, D.S., and **Stea, B.** Vulvar Carcinoma. *Int. J. Radiat. Oncol. Biol. Phys.* 32:1351-1357, 1995.
29. Gannett, D., **Stea, B.**, and Shimm, D. Interstitial Thermoradiotherapy for Locally Advanced and Recurrent Neoplasms of the Head and Neck. *Endocurietherapy* 11:143-153, 1995.
30. Warneke, J., Grossklaus, D., Davis, J., **Stea, B.**, Poole, L., Bebb, G., Taylor, C., Hastings, R., and Villar, H. Influence of Local Treatment on the Recurrence Rate in DCIS. *Journal of the Am. College of Surgery.* 180:683-688, 1995.
31. Gannett, D., **Stea, B.**, Lulu, B., Adair, T., Verdi, C., and Hamilton, A. Stereotactic Radiosurgery as an Adjunct to Surgery and External Beam Radiotherapy in the Treatment of Patients with Malignant Gliomas. *Int. J. Radiat. Oncol. Biol. Phys.* 33:461-468, 1995.
32. Warneke, J., Berger, R., Villar, H., and **Stea, B.** Lumpectomy and Radiation Treatment for Invasive Lobular Carcinoma of the Breast. *Am. J. of Surgery* 172 (5): 496, 1996.
33. Gannett, D., Hill, D., Hamilton, A., and **Stea, B.** Paclitaxel as a Radiosensitizer Combined with Fractionated Stereotactic Radiotherapy in the Treatment of Recurrent Medulloblastoma. *Am. J. Clin. Onc.* 20(3):233-236, 1997.
34. Woo, C., **Stea, B.**, Lulu, B., and Hamilton, A. The Use of Stereotactic Radiosurgical Boost in the Treatment of Medulloblastomas. *Int. J. Radiat. Onc. Biol. Phys.* 37(4):761-764, 1997.
35. Dee-Donaldson, L., Witte, M.H., Bernas, M., Witte, C.L., Way, D., **Stea, B.** Refinement of a Rodent Model of Peripheral Lymphedema. *Lymphology* 32:111-117, 1999.
36. Anderson, J., **Stea, B.**, Hallum, A., Rogoff, E., and Childers, J. High-Dose-Rate Postoperative Vaginal Cuff Irradiation Alone for Stage 1B and 1C Endometrial Cancer. *Int. J. Radiat. Onc. Biol. Phys.* 46(2):417-425, 2000.
37. Algan, Ö., Fosmire, H., Hynynen, K., Dalkin, B., Cui, H., Drach, G., **Stea, B.**, and Cassidy, R. External Beam Radiotherapy and Hyperthermia in Treatment of Patients with Locally Advanced Prostate Carcinoma: Results of Long Term Follow-up. *Cancer* 89(2):399-403, 2000.
38. Thomas, R., **Stea, B.** Radiation Recall Dermatitis from High-Dose Interferon Alpha-2b. *J. Clinical Oncology* 20(1):355-357, 2002

39. Kriederman, B., Myloyde, T., Bernas, M., Lee-Donaldson, L., Preciado S., Lynch, M., **Stea, B.**, Summers, P, Witte, C., Witte, M. Limb Volume Reduction After Physical Treatment by Compression and/or Massage in a Rodent Model of Peripheral Lymphedema. *Lymphology* 35, 23-27, 2002
40. Briggs, J.H., Algan, O., **Stea, B.** Primary T-Cell Lymphoma of the Breast: A Case Report. *Cancer Invest.* 2003;21 (1):68-72.
41. Shaw, E., Scott, C., Suh, J., Kadish, S., **Stea, B.**, Hackman, J., Pearlman, A., Murray, K., Gaspar, L., Mehta, M, Curran, W., and Gerber, M. RSR13 Plus Cranial Radiation Therapy in Patients with Brain Metastases: Comparison with the RTOG Recursive Partitioning Analysis Brain Metastases Data Base. *J. Clin. Oncol.* 21, 2364-2371, 2003.
42. **Stea, B.**, Falsey, R., Kislin, K., Patel, J., Glanzberg, H., Carey, S., Meuliet, E. J., Martinez, J.D. Growth Inhibition and Radiosensitization of Glioblastoma Multiforme by the EGFR-Receptor Tyrosine Kinase Inhibitor ZD1839 (Iressa). *Cancer Letters* 202,43-51, 2003.
43. Choy H, Nabid A, **Stea B**, Scott C, Roa W, Kleinberg L, Ayoub J, Smith C, Souhami L, Hamburg S, Spanos W, Kreisman H, Boyd AP, Cagnoni PJ, Curran WJ. Phase II Multicenter Study of Induction.
44. Chemotherapy Followed by Concurrent Efavoxir (RSR13) and Thoracic Radiotherapy for Patients with Locally Advanced Non-Small Cell Lung Cancer. *J Clin Oncol* 23, 5918-28, 2005.
45. Suh J, **Stea B**, Nabid A, Kresl J, Fortin A, Mercier JP, Senzer N, Chang E, Boyd AP, Cagnoni PJ, Shaw E. Results from a phase III study evaluating Efavoxir as an adjunct to whole brain radiation therapy for the treatment of patients with brain metastases. *J Clin Oncol.* 24(1):106-14. 2006.
46. Gabayan AJ, Green, SB, Sanan, A, Jenrette J, Schultz C, Papagikos M, Tatter SP, Patel A, Amin A, Tonnesen GL, Lustig R, Bastin KT, Watson G, Burri S, **Stea B.** GliaSite radiotherapy system for treatment of recurrent gliomas. *Neurosurgery* 2006; 58:701-709.
47. **Stea B**, Suh JH, Boyd AP, Cagnoni PJ, Shaw E. Whole brain radiation therapy with or without Efavoxir for the treatment of brain metastases: determinants of response and its prognostic value for subsequent survival. *Int J Radiat Oncol Biol Phys.* 2006 Mar 15;64 (4):1023-30.
48. **B. Stea**, E. Shaw, T. Pintér, J. Hackman, M. Craig, J. May, R.P. Steffen, and J.H. Suh Efavoxir Red Blood Cell Concentration Predicts Efficacy in Patients with Brain Metastases, *British J Cancer* (2006) 94, 1777-1784.
49. Welsh J, Gabayan A, Green SB, Lustig R, Burri, S, Kwong E, **Stea B.** GliaSite Radiotherapy Boost as part of the initial treatment of Glioblastoma Multiforme: a retrospective multi-institutional pilot study. *Inter J Rad Oncol Biol Phys* 68 (1), 159-165, 2007.
50. Pawar S, Dougherty S, Pennington ME, Demetriou, MC **Stea B**, Dorr RT, Cress AE; α 6 Integrin Cleavage: Sensitizing Human Prostate Cancer to Ionizing Radiation. *Int J Radiat Biol.* 2007 Nov; 83(11):761-767.
51. Scott, J. Suh, J, **Stea, B**, Nabid, A, Hackman, J. Improved Survival, Quality of Life, and Quality-Adjusted Survival in Breast Cancer Patients Treated with Efavoxir (Efaproxyn™) Plus Whole Brain Radiation Therapy for Brain Metastases; *American Journal of Clinical Oncology*;30(6):580-7, 2007.
52. Persky D, Unger J, Spier CM, **Stea B**, Maloney DG, LeBlanc M, Rimsza LM, Fisher RI, Miller TP; Phase II study of rituximab plus three cycles of CHOP and involved-field radiotherapy for patients

- with limited-stage aggressive B-cell lymphoma: Southwest Oncology Group study 0014. *J Clin Oncol*. 2008 May 10; 26(14):2258-63.
53. Watchman, C, Hamilton, R and **Stea B**. Patient positioning using implanted gold markers with the Novalis Body System in the Thoracic Spine. *Neurosurgery* 62, A62-A68, 2008.
 54. Chino K, Silvain D Grace A, Stubbs, J, **Stea, B**. Feasibility and safety of outpatient brachytherapy in 37 patients with brain tumors using the GliSite Radiation Therapy System. *Med Phys* 2008 Jul;35(7):3383-8.
 55. Chino, K., Tanyi JA and **Stea, B**. Stereotactic radiotherapy for unilateral orbital lymphoma and orbital pseudo-tumors: a planning study. *Med Dosim*. 2009 Spring; 34(1):57-62. Epub 2008 Mar 28.
 56. Welsh J, R. Ellsworth, R Kumar, M Berens, J Martinez, K Fjerstad, R. Nagle **B. Stea**. Rad51 Protein Expression and Survival in Patients with Glioblastoma Multiforme (GBM). *Int J Rad Onc Biol Phys*, 74 (4): 1251-1255, 2009.
 57. Welsh J, Mahadevan D, Bearss D, Cooke L, Dougherty G, **Stea B**; A c-Met receptor Tyrosine Kinase Inhibitor Radiosensitizes Glioblastoma. *Radiation Oncology* 4:69, 2009.
 58. Chi A, Liao Z, Nguyen NP, Xu J, **Stea B**, Komaki R; Systematic review of the patterns of failure following stereotactic body radiation therapy in early-stage non small cell lung cancer: Clinical implications. *Radiotherapy and Oncology* 2010 Jan 94(1): 1-11. Review.
 59. Hsieh D., Hsieh A, Ellsworth R, **Stea B**; IGFBP2 promotes glioma tumor stem cell expansion and survival. *Biochem Biophys Res Commun*. 2010 Jun 25; 397 (2):367-372.
 60. Badrudoja MA, Elquza E, Welsh J, Cooke L, Sanan A, **Stea B**, Mahadevan, D; The development of PDGF Receptor Inhibitors for the Treatment of Gliomas: A Review. *Lett in Drug Design Discovery*. 2010; 7(4): 290-299.
 61. Daley SK, Michael J Bernas MJ, **Stea B**, Bracamonte E, McKenna M, Stejskal A, Hirleman E, and Marlys H Witte. Radioprotection from radiation induced lymphedema without tumor protection. *Lymphology* 43 (2); 48-58, 2010.
 62. Chelliah D, Mensah Sarfo-Poku C, **Stea BD**, Gardetto J, Zumwalt J. Medulloblastoma with extensive nodularity undergoing post-therapeutic maturation to a gangliocytoma: a case report and literature review. *Pediatr Neurosurg*. 2010; 46(5):381-4. Epub 2011 Mar 9.
 63. **Stea B**, Hazard JL, Gonzalez JV and Hamilton JR. The Role of Radiation Therapy in the Control of Locoregional and Metastatic Cancer *J. Surg Oncol*. 2011 May 1; 103 (6):627-638. Review.
 64. **Stea B** and Gordon J. Clinically Relevant Biomarkers in Targeted Radiotherapy. *Clin Exp Metastasis*. 2012 Oct; 29 (7):853-60. doi: 10.1007/s10585-012-9523-z. Epub 2012 Aug 11. PMID: 22886523 [PubMed - indexed for MEDLINE].
 65. Welsh, JW, Komaki R, Amini A, Munsell M, Unger W, Allen PK, Chang JY, Wefel J, McGovern S, Garland LL, Chen SS, Holt J, Liao Z, Brown P, Sulman E, Heymach JV, Kim ES, and **Stea B**; Phase II Trial of Erlotinib plus Concurrent Whole-Brain Radiation Therapy for Patients with Brain Metastases from Non-Small Cell Lung Cancer. *J Clin Oncol*. 2013 Mar 1;31(7):895-902. doi: 10.1200/JCO.2011.40.1174. Epub 2013 Jan 22. PMID: 23341526
 66. Persky DO, Miller TP, Unger JM, Spier CM, Puvvada S, **Stea B**, Press OW, Constine LS, Barton KP, Friedberg JW, LeBlanc M, Fisher RI; Ibritumomab Tiuxetan Consolidation After 3 Cycles of CHOP Plus Radiotherapy For High Risk Limited Stage Aggressive B-cell Lymphoma; *Blood*. 2015 Jan 8;125(2):236-41. doi: 10.1182/blood-2014-06-584623. Epub 2014 Nov 13. PMID:25395425

67. Vonk D, Kim Y, Javid C, Gordon, J and **Stea, B**; Prescribing to tumor apex in episcleral plaque iodine-125 brachytherapy for medium-sized choroidal melanoma: A single-institutional retrospective review. Accepted: Brachytherapy June 8, 2015

Submitted

68. Skrepnik T, Gottesman, S, Stea B; Scleredema of Buschke: Report of long term follow-up after electron beam radiotherapy and review of the literature: Submitted July 2015
69. Goyal U, Kim Y, Arif HT, Witte R, Stea, B; Using ultrasound to determine depth and lateral tumor extent for non-melanomatous skin cancer treated with electronic brachytherapy. Submitted July 2015

In Preparation

Slane BG, Gordon JD, Hullett CR, Szeja S, Georgiev GN, Goyal U, Sanan A and **Stea B**. Single institution comparison of Linac-based stereotactic radiosurgery, hypofractionated stereotactic radiosurgery, and conventionally fractionated stereotactic radiotherapy for the treatment of vestibular schwannoma.

Kyu, LJ, Grow, J and Stea, B. Radiation Therapy in a Pediatric Patient with Gorham Stout Syndrome. Applied Radiation Oncology. In press

Chapters in Scholarly Books and Monographs:

1. **Stea, B.** and Kinsella, T. Superior Vena Cava Syndrome: An Oncologic Emergency. In: Thoracic Oncology, by Roth, J.A., Ruckdeschel, J.C. and Weisenberger, T.H., Eds.; J.B. Saunders Publishing Co., pp 280-289, 1988.
2. Shimm, D.S., Kittelson, J.M. and **Stea, C.B.** Interstitial Thermoradiotherapy, The University of Arizona Experience. In: Hyperthermia and Oncology, by Urano, M. and Douple, E., Eds.: Zeist, VSP, Utrecht, The Netherlands. Vol. 3, pp 181-198, 1991.
3. Sykes, H., Hynynen, K., Drach, G.W., Diederich, C., Cassady, J.R., **Stea, B.**, Swift, P.S. and Ahmann, F.R. Adjuvant Transrectal Ultrasound Hyperthermia for Prostatic Adenocarcinoma. In: Chapman, W.C., Dewey, G.F., Whitmore, Eds.; Radiation Research: Twentieth-Century Perspective. Harcourt Brace Jovanovich Publishers, San Diego, CA, p 198, 1991.
4. **Stea, B.**, and Kinsella, T. Superior Vena Cava Syndrome: Clinical Features, Diagnosis, and Treatment. In: Mediastinal Surgery, by Shields, T.W., Ed.; Lea and Febiger, Philadelphia, PA, pp. 350-364, 1991.
5. **Stea, B.**, Cetas, T., Cassady, J.R., et al. Interstitial Thermoradiotherapy of Brain Tumors: Preliminary Results of a Phase I Clinical Trial. In: Yearbook of Neurology and Neurosurgery, by Grovell, R.M., Ed.; pp 250-252, 1991.
6. **Stea, B.**, Cetas, T., Hynynen, K., and Roemer, R. Hyperthermia of Brain Tumors. In: Radiation Research: Volume 2: Proceedings by Dewey, W.C., Edington, M., et al Eds.; pp 924-928, 1991.
7. Iacono, R.P., **Stea, B.**, Lulu, B., Cetas, T.C. , and Cassady, J.R. Template Guided Stereotactic Implantation of Malignant Brain Tumors for Interstitial Thermoradiotherapy. In: Stereotactic and Functional Neurosurgery, Vol 97; Karger AG, Basel, Switzerland, pp 143-148, 1992.

8. **Stea, B.**, Shimm, D., Kittelson, J. , and Cetas, T. Interstitial Hyperthermia with Ferromagnetic Seed Implants: Preliminary Results of a Phase I Clinical Trial. In: Interstitial Hyperthermia, by Handl-Zeller, L., Ed.; Springer-Verlag, New York, NY, pp 183-193, 1992.
9. **Stea, B.**, Shimm, D. and Cetas, T. Clinical Experience with Interstitial Thermoradiotherapy using Ferromagnetic Implant. In: Interstitial and Intracavitary Thermo-Radiotherapy. Seegenschmiedt, H.M. and Sauer, R., Eds.; Springer-Verlag, New York, NY, pp 223-232, 1993.
10. Mack, C., **Stea, B.**, Kittelson, J., Shimm, D., Sneed, P., Phillips, T., Swift, P., Luk, K., Stauffer, P., Chan, K., Steeves, R., Cassady, J.R., and Cetas, T. Ferromagnetic Implants for Interstitial Thermoradiotherapy in Extracranial Neoplasms. In: Hyperthermic Oncology, Gerner, E. and Cetas, T., Eds.; University of Arizona, Tucson, AZ 2:303-310, 1993.
11. Anhalt, D.P., Roemer, R.B., Nathanson, S., **Stea, B.** , and Cassady, J.R. Scanned Ultrasound Hyperthermia for Treating Superficial Disease. In: Hyperthermic Oncology, Gerner, E. and Cetas, T., Eds.; University of Arizona, Tucson, AZ 2:191-192, 1993.
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Letters to Editors

1. Cranmer, L. Jeter, J. Morgan, S. Hersh, E. and Stea, B.; Whole-brain radiation therapy in melanoma: an open question. *Lancet Oncology*, 11, 13, 2010

Scholarly Presentations at Scientific Meetings

1. **Stea, B.**, Hamilton, A., and Lulu, B. A comparison of survival between radiosurgery and stereotactic implants for malignant astrocytomas. *Acta Neurochirurgica*, 122:151, 1993. Presented at the International Stereotactic Radiosurgery Society First Congress in Stockholm, Sweden, June 16-19, 1993.
2. Lulu, B., Hamilton, A., and **Stea, B.** Dosimetric comparison of radiosurgery and stereotactic implants for malignant brain tumors. *Acta Neurochirurgica*, 122:174, 1993. Presented at the International Stereotactic Radiosurgery Society First Congress in Stockholm, Sweden, June 16-19, 1993.

3. Hamilton, A., Lulu, B., and **Stea, B.** Preliminary clinical experience with spinal stereotactic radiosurgery. *Acta Neurochirurgica*, 122:183. Presented at the International Stereotactic Radiosurgery Society First Congress in Stockholm, Sweden, June 16-19, 1993, 1993.
4. Pimperl, C., **Stea, B.**, Gannett, D., Woo, C., Anhalt, D., Hynynen, K., and Cassady, J.R. Scanned focused ultrasound hyperthermia in the treatment of locally advanced or recurrent breast cancer. Presented at the 36th Annual Meeting of the American Society of Radiation Therapy and Oncology, 1994.
5. Gannett, D., **Stea, B.**, Hamilton, A., Lulu, B., Fosmire, H., Verdi, C., and Kittelson, J. Stereotactic radiosurgery as an adjunct to surgery and external beam radiotherapy in the treatment of unselected patients with malignant gliomas. 36th Meeting of American Society for Radiation Therapy and Oncology, 1994.
6. **Stea, B.**, Obbens, E., Hamilton, A., Hynynen, K., Anhalt, D., and Cassady, J.R. Carboplatin and scanned focused ultrasound hyperthermia for recurrent malignant gliomas. Presented at the 15th Annual Meeting of the North American Hyperthermia Society, San Jose, CA, April 1-6, 1995.
7. Fosmire, H., Hynynen, K., Drach, G., Dalkin, B., Cassady, J.R., Croghan, M., Roberts, T., Swift, P.S., and **Stea, B.** Phase I study of transrectal ultrasound hyperthermia as an adjuvant to standard radiotherapy in the treatment of adenocarcinoma of the prostate. North American Hyperthermia Society, San Jose, CA, 1995.
8. Gannett, D., **Stea, B.**, Lulu, B., and Hamilton, A. Stereotactic radiosurgery as an adjuvant treatment for primary malignant gliomas. 2nd Congress of the International Stereotactic Radiosurgery Society, 1995.
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11. Gannett, D., Woolridge, D., **Stea, B.**, Hamilton, A., and Gerner, E. Hypusine as a potential prognostic marker in glial derived brain tumors. American Society for Radiation Therapy and Oncology, Miami Beach, FL, October 8-11, 1995.
12. Hamilton, A., Gossett, L., Lulu, B., **Stea, B.**, Bertolina, J., and Fosmire, H. A pilot clinical study of spinal radiosurgery: An evaluation of survival, neurological function, quality of life, and costs. Presented at the Society for University Neurosurgeons, March 13-19, 1996, Los Angeles, CA.
13. **Stea, B.**, Pimperl, C., Anhalt, D., Cassady, R., Cetas, T., Gannett, D., Hynynen, K., Kittelson, J., and Woo, C. Treatment of locally advanced or recurrent breast cancer with scanned-focused ultrasound hyperthermia and radiation: results of a phase I/II clinical trial. VII International Congress on Hyperthermic Oncology, Rome, Italy, April 8-13, 1996.
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22. Ammouri, L., Kriederman, B., Bernas, M., Lee-Donaldson, L., Witte, M., Witte, C., and **Stea, B.** A refined model of rodent lymphedema to assess pathophysiology and treatment. Presented at Keystone Symposia on Experimental and Clinical Regulation of Angiogenesis, Salt Lake City, UT, March 2-7, 2000.
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34. Choy, H., Scott, C., Nabid, A., **Stea, B.**, Roa, W., Souhami, L., Yunus, F., Boyd, A., Craig, M., Cagnoni, P.J., Curran, W.J. A phase II study of induction chemotherapy followed by concurrent RSR13 (Efaproxiral) and TRT for patients with locally advanced NSCLC: Results of a comparison with RTOG 94-10. Presented at the 45th annual meeting of the ASTRO, Oct 19-23, 2003
35. Lachaine, M., **Stea, B.** Dosimetry of Gliasite brain implants with two balloons. Presented at the 2003 AAPM annual meeting. Medical Physics, 30, 1332, 2003
36. Scott, C., Choy, H., Nabid, A., **Stea, B.** et al. Induction Chemotherapy Followed by Concurrent RSR-13 (efaproxiral) and TRT in Patients with Locally Advanced NSCLC: Mature Results of a Phase II Study and Comparison with the results from RTOG 94-10. Presented at ECCO. Sept.25, 2003
37. Suh, J., **Stea, B.**, Kresl, JJ et al. Results from a subgroup analysis of patients with metastatic breast cancer in a phase 3, randomized, open label, comparative study of standard whole brain radiation therapy with supplemental oxygen, with or without RSR-13, in patients with brain metastases. Presented at the San Antonio Breast cancer conference, Dec 3-6, 2003
38. **Stea, B.** et al. Abstract Title: Safety profile of efaproxiral (RSR13), a novel radiation sensitizer, in patients undergoing radiation therapy. Presentation at the 2004 ASCO Annual meeting. New Orleans, LA June3-4, 2004

39. Suh, J., **Stea, B.** Nabid, A., et al: Standard whole brain radiation therapy (WBRT) plus supplemental oxygen (O₂) with or without efaproxiral (EFAPROXYN™) in patients with brain metastases: updated survival results of the randomized REACH (RT-009) study. Submitted to 29thESMO congress
40. Thomas P Miller, MD ¹, Joseph M Unger, MS*, Catherine Spier, MD ^{1*}, **Dino Stea, MD,PhD ^{1*}** and Richard I Fisher, MD*. Effect of adding rituximab to three cycles of chop plus involved-field radiotherapy for limited-stage aggressive diffuse b-cell lymphoma. Oral presentation at ASH, 2004
41. Suh JH, Boyd AP, **Stea B**, Nabid A, Hackman JO, May J, Shaw E Cagnoni PJ. Response at 3-months after Whole Brain Radiation Therapy Predicts Subsequent 6-month Survival in Brain Metastases Patients. Submitted to SNO meeting Toronto, Canada Nov 2004
42. **Stea B**, Suh JH, et al. Response at 3 months after Whole Brain Radiation Therapy Predicts Survival in Brain Metastases Patients. Accepted at the ASTRO meeting. Atlanta, GA, Oct 5, 2004
43. **Stea B, et al** Efaproxiral (EFAPROXYN [trade]) as an adjunct to whole brain radiation therapy for the treatment of brain metastases originating from breast cancer: updated survival results of the randomized REACH (RT-009) study. Accepted at the 27th San Antonio Breast Cancer Meeting. Dec 10, 2004
44. Scott, C, **Stea, B et al** Improved Survival, Quality of Life (QOL), and Quality-Adjusted Survival (QAS) in Breast Cancer Patients Treated with Efaproxiral (EFAPROXYN™) plus Whole Brain Radiation Therapy (WBRT) for Brain Metastases. Poster at the 28th San Antonio Breast Cancer symposium, Dec. 2006
45. Daley SK, McKenna M, Bernas MJ, Hunter RJ, Hirleman ED, Moses SA, **Stea B**, Witte MH: Efficacy of amifostine in minimizing limb swelling and promoting wound healing in a rodent model of cancer treatment-related lymphedema. Presented at the 2nd International Symposium on Cancer metastasis and the Lymphovascular system. May2-5, 2007; San Francisco
46. Kumar R, Welsh J, Nagle RB, Green S, **Stea B**. Association between RAD51 Levels and Survival in Patients with Glioblastoma Multiforme Treated with Radiation Therapy. Int J Rad Onc Biol Phys 69(3), S63 abstract #113, 2007. Presented at the 49th annual ASTRO meeting (Oct 28-Nov 1 2007), Los Angeles, CA
47. Welsh J, Mahadevan D, Bearss D, Stea B. Sensitization of a Glioblastoma Multiforme Cell Line by MP470: aNovel c-Met Antagonist. Int J Rad Onc Biol Phys 69 (3) S 100, abstract #178, 2007. Presented at the 49th annual ASTRO meeting (Oct29-Nov 1, 2007), Los Angeles, CA
48. J. Welsh, L Garland , B. D. Stea ;A Phase II Study to Determine the Efficacy of Tarceva (Erlotinib Hydrochloride) with Concurrent Whole Brain Radiation Therapy (WBRT) in Patients with Brain Metastases from Non-Small Cell Lung Cancer; World Lung South Korea September 2007
49. J. Suh¹, **B. Stea**², K. Tankel³, H. Marsiglia⁴, Y. Belkacemi⁵, H. Gomez⁶, S. Falcone-Lizaraso⁷, J. May⁸, M. Saunders⁸. Results of the Phase III ENRICH (RT-016) Study of Efaproxiral Administered Concurrent with Whole Brain Radiation Therapy (WBRT) in Women with Brain Metastases from Breast Cancer. Submitted 50th ASTRO meeting, Boston 2008
50. R. Ellsworth³, J. Welsh¹, R. Kumar³, K. Fjerstad⁴, R. Nagle², S. Green⁵, B. **Stea**¹. CD133 expression before and after radiation in Glioblastoma Multiforme. Presented at the annual AACR meeting, San Diego, CA (April 12, 2008)

51. Lars Ewell¹, Naren Vijayakumar¹, Jeffrey J. Rodriguez² and Baldassarre **Stea**¹; Inferior Brain Lesions Monitored Using Diffusion Weighted Magnetic Resonance Imaging. SANTRO, Beijing, China 2008
 52. D.G. Brachman, L.S. Ashby, M. Wang, T. Thomas, **B. Stea**, and M. Mehta: Phase I/II trial of Temozolomide (TMZ), Motexafin Gadolinium (MGd), and 60gy fractionated radiation (RT) for newly diagnosed supratentorial glioblastoma multiforme: results of RTOG 0513 Phase I dose escalation toxicity analysis. Poster # RO-27 at the 13th annual SNO Meeting , Las Vegas, NV; Nov 20-23, 2008
 53. R Hamilton, A. Sanan, C J Watchman **B. Stea**; Feasibility of Image-Guided SRS for Trigeminal Neuralgia with Novalis. Presented at the 4th Novalis Circle meeting, Santa Barbara, CA, June17-20, 2008
 54. R Ellsworth, J Welsh, D Mahadevan, D Berris, D Hsieh, K Fjerstad, M Marsella, A. Sanan, M Badruddoja, **B Stea**. The cytotoxic and radiosensitizing effects of MP470, a multi-kinase inhibitor in glioblastoma multiforme stem cells. Presented at the 50 annual ASTRO meeting. Boston 2008 and at the 2008 AHSC Frontiers in Biomedical Research.
 55. T. P. Miller, J. M. Unger, C. M. Spier, **B. Stea**, O. Press, M. LeBlanc, R. I. Fisher. Effect of adding Ibritumomab TIUXETAN (ZEVALIN) radio-immunotherapy consolidation to three cycles of CHOP plus involved-field radiotherapy for high-risk limited stage aggressive diffuse B-cell lymphoma (Southwest Oncology Group Study 0313). Presented at the 2008 annual ASH meeting, San Diego, CA
 56. J.H. Suh, **B. Stea**, et al. Results of the phase III Enrich (RT-016)study of Efavoxirral administered concurrent with WBRT in women with brain metastases from breast cancer. I J Rad Onc Biol Phys S50, Vol. 72, number 1, 2008, abstract #110. Presented at the 50th ASTRO meeting, Boston, Sept 21-25, 2008
 57. M. Badruddoja, A. Sana, **B. Stea**, M. Marsella. Bevasuzimab and Temozolomide for patients with recurrent malignant gliomas. Poster # MA-42. 13th annual meeting of the Society for Neuro-Oncology, Las Vegas, NV, Nov 20-23, 2008
 58. L Ewell, A. Bhullar, R Carmody, R Hamilton, J Kim, **B Stea**, Difficulties in Glioma Diagnosis/Monitoring: Apparent Diffusion Coefficients, Magnetic Resonance Spectroscopy and the Role of Uncertainty. Presentation at 6th annual world congress on brain mapping and image guided therapy, Boston MA, Aug 26-29, 2009
 59. Hsieh D, Miller K, Ellsworth R, Mahadevan D, Badruddoja M, Sanan A, **Stea B**. Inhibition of the Hedgehog pathway can target Glioblastoma Multiforme stem cells independently of Gli. Neuro-oncology, 11 (5), p.579, abstract # 70, 2009 presented at the Joint Meeting of SNO and AANS/CNS section on tumors, October 2009
 60. K.A. Wharton, **B. Stea**, L. Thomas, A.C. Gruessner. Fractionated Stereotactic Radiotherapy of Paraspinal Tumors International Journal of Radiation Oncology Biology Physics, Volume 75, Issue 3, Supplement 1, November 2009, Page S248. Poster presentation at the 51st ASTRO meeting in Chicago, IL, Oct 31-Nov 3, 2009
 61. Ewell, A. Bhullar, **Stea B**. Voxel Location Dependence of Brain Metabolites as Determined by Magnetic Resonance Spectroscopy. General poster discussion at the 52nd annual meeting of the AAPM, Philadelphia, PA, July 18-22, 2010
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62. Desai A, Sanan A, **Stea B**. Frameless Image-Guided Intracranial Stereotactic Radiosurgery: Feasibility and Clinical Outcomes for Trigeminal Neuralgia. Oral presentation at the 5th International conference of the Novalis Circle, Munich, Germany (June 17-19, 2010)
63. Desai A, Gordon J, Hamilton, R, Sanan A, and **Stea B**. Frameless Stereotactic Radiosurgery (SRS): Outcomes for Trigeminal Neuralgia. Accepted for poster presentation at the 52nd ASTRO meeting, San Diego, CA; Oct 31-Nov 4th, 2010
64. Welsh J. and **Stea B**. Phase II Study of Erlotinib with Concurrent Whole-Brain Radiation Therapy for patients with Brain Metastases from Non-Small Cell Lung Cancer. 2012 ASCO annual meeting presentation June (1-5) 2012, Chicago, IL
65. Elma S. Hawkins, Robert Aiken, James Chandler, Karen L. Fink, Michael J. Glantz, Jai Grewal, Michael L. Gruber, Santosh Kesari, Joseph C. Landolfi, Renato V. LaRocca, Glenn Jay Lesser, James Markert, Tina M. Mayer, Donald O'Rourke, David M. Peereboom, Surasak Phuphanich, David Schiff, Andrew E. Sloan, **Baldassarre Stea**, Jay-Jiguang Zhu. A randomized, double-blind, controlled phase IIb study of the safety and efficacy of ICT-107 in newly diagnosed patients with glioblastoma multiforme following resection and chemoradiation. Abstract #100393 ASCO annual meeting, June (1-5) 2012, Chicago, IL
66. **Stea B**, Hamilton, R, Joffe L and Schindler R. Retrobulbar episcleral brachytherapy for treatment of Wet Age-related Macular degeneration: preliminary results of a feasibility study. 54th Annual ASTRO meeting, Boston, MA Oct 29-Nov 2, 2012
67. Michael K Cheung, Benjamin G Slane, John Gordon, Craig R Hullett, Baldassarre Stea; Electronic Brachytherapy for Treatment of Non-Melanoma Skin Cancers: The University of Arizona Preliminary Experience. Annual ACRO San Antonio, Tx Feb 2012
68. Balaggan, Kamaljit S; Schindler, Reid; Joffe, Leonard; Patel, Praveen J.; **Stea, Baldassarre**; Tufail, Adnan; Marsteller, Laurence. Novel Minimally-Invasive Episcleral Brachytherapy for the Treatment of Neovascular Age-Related Macular Degeneration (nAMD): Results of a Twelve Month Prospective Phase I Safety and Tolerability Evaluation. Poster Presentation at annual RCO congress. Liverpool, UK; 2013
69. Kamaljit S Balaggan, MBBS Reid F Schindler MD, Leonard Joffe MD, Praveen Patel MD, Russell Hamilton PhD, Baldassarree Stea MD Laurence Marsteller MD Adnan Tufail, MD: Episcleral Brachytherapy for Wet Age-Related Macular Degeneration: 24-Month Follow-Up. American Academy of Ophthalmology, 2013
70. Michael K. Cheung, MD, Benjamin G. Slane, MD, John Gordon MS, Craig R. Hullet, MD, Baldassarre Stea MD PhD. Electronic Brachytherapy Treatment for Non-Melanoma Skin Cancers: The University of Arizona Preliminary Experience. Poster presentation at the annual American Radium Society. Scottsdale, AZ. April, 2013
71. Vonk D, Gordon J, Javid C, **Stea B**. Episcleral Plaque 125I Brachytherapy for Choroidal Melanoma: A Single Institution Retrospective Review. Brachytherapy 12, supplement 1, S77, March 2013
72. Watchman, C and **Stea, B**. Imaging and Radiotherapy of Cancer; Joint Inter Ocology Congress, San Francisco, CA. May 27-29, 2013
73. Chung, M and Stea, B. Optimal fractionation Regimen for Electronic Brachytherapy for Treatment of Non-Melanomatous skin Cancers. Poster presentation at the 99th annual meeting of the RSNA. Chicago, IL (Dec 1-6, 2013)

74. Nael K, Khan R, Erly W, Lemole M, **Stea B**, Bilgin A. Whole Brain Dynamic Contrast-Enhanced MR Perfusion for Posttreatment Evaluation of Brain Tumors: Use of ‘Stack-of-Stars’ Scheme and k-Space Weighted Image Contrast. Western Neuroradiology Society meeting. Maui, HI. Oct 2013
75. Erly WK, Knitter J, **Stea B**, Lemole G, Nael K. Pseudoprogression and lesion response in metastatic disease of the brain treated by Radiosurgery. Western Neuro-radiology meeting. Maui, HI (Oct 2013)
76. Cheng, M and **Stea, B**. Optimal Fractionation Regimen for Electronic Brachytherapy for Treatment of Non-Melanomatous Skin Cancers. RSNA 99th annual meeting, Chicago, IL (Dec 4, 2013)
77. Nael K, Khan R, Erly W, Lemole M, **Stea B**, Bilgin A. Whole Brain Dynamic Contrast-Enhanced MR Perfusion for Posttreatment Evaluation of Brain Tumors: Use of ‘Stack-of-Stars’ Scheme and k-Space Weighted Image Contrast. 45th annual WNRS meeting, Waikaloa, HI, Oct 16-20, 2013 and ASNR 52nd Annual Meeting, Montréal May 20, 2014 Paper # O-405.
78. Adam Bauer, MD, R Khan, MD; G Lemole, MD; B Stea, MD, PhD; E A Krupinski, PhD; K Nael, MD. Combined MR Diffusion and Perfusion for Evaluation of Solitary Brain Metastasis from High-grade Glioma: A voxel-based Analysis. RSNA 2014, Chicago, IL
79. Dan Persky, Baldassarre Stea. Long term follow up of SWOG S0313: Ibritumomab Tiuxetan Consolidation after 3 Cycles of CHOP Plus Radiotherapy for High Risk Limited Stage Aggressive B-Cell Lymphoma. Submitted to ASH; July 2014
80. Persky, D, Miller T, Unger J, Spier, C, Puvvada S, Stea B...and Friedberg J. Long term follow up of SWOG S0313: Ibritumomab Tiuxetan Consolidation after 3 Cycles of CHOP Plus Radiotherapy for High Risk Limited Stage Aggressive B-Cell Lymphoma. Poster at ASH Dec 2014
81. Knitter J, Erly W, Lemole GM, Krupinski E, **Stea B**, Nael K. Response Assessment of Cerebral Metastases After High-Dose Stereotactic Radiation: Using Combined Diffusion and Perfusion MR Imaging. ASNR 53rd Annual Meeting, Chicago Apr 29, 2015 Paper # O-504 (Oral presentation)
82. Nael K, Knitter J, Bauer A, Erly W, J Becker, Lemole M, **Stea B**. Differentiation of Radiation Necrosis from Recurrent High Grade Glioma Using Multiparametric MRI. ASNR 53rd Annual Meeting, Chicago Apr 27, 2015 Paper # O-66 (oral presentation).
83. James Knitter, William Erly, G Michael Lemole, Elizabeth Krupinski, Baldassarre Stea, Kambiz Nael. Response Assessment of Cerebral Metastases After High-Dose Stereotactic Radiation: Using Combined Diffusion and Perfusion MR Imaging. Oral presentation at the UACC Scientific Retreat Agenda. Westward Look Resort, April 10, 2015.333.
84. James Knitter, Gerald Lemole, William Erly, Abhay Sanan, Baldassarre Stea. Comparing Outcomes of Meningiomas Treated With Stereotactic Radiosurgery (SRS), Stereotactic Radiation Therapy (SRT), or Intensity Modulated Radiation Therapy (IMRT): A 10 Year Single-Institution Experience. Poster #2160 at the 57th annual ASTRO meeting, San Antonio, Tx; Oct 18, 2015

INVITED PRESENTATIONS at SCIENTIFIC MEETINGS:

1. “Carboplatin and Scanned Focused Ultrasound Hyperthermia for Recurrent Gliomas”. Arizona Neurosurgical Society Annual Meeting, Tucson, AZ, November 5, 1994.
2. “New Radiation Strategies in the Management of Pediatric Posterior Fossa Neoplasms”. Arizona Neurosurgical Society Annual Meeting, Tucson, AZ, November 4, 1995.
3. Treatment of Recurrent GBM with GliSite RTS. GliSite Physician Conference, Chicago, Illinois; Aug15-17, 2003
4. Proxima Therapeutics Second Annual GliSite Conference Chicago, IL, Aug 7, 2004; “Outpatient Experience with GliSite at the University of Arizona”
5. Neurosurgical Grand Rounds, Barrow Neurological Institute, Phoenix, Az “GliSite Brachytherapy for the Treatment of Recurrent Malignant Gliomas: A Retrospective Multi-Institutional Study” 2004
6. International Oncology Network, Breast Cancer Symposium, San Diego, CA, Feb 11-13, 2005 “Adjunctive Therapy to Whole Brain Radiation for the Treatment of Brain Metastases Originating from Breast Cancer”
7. 4th Symposium on Combined Modality Therapy, Dallas, TX Feb23-25, 2006 “Clinical Experience with Efaproxyn A New Radiation Sensitizer”
8. 3rd International Symposium on Cancer Metastases and Lymphovascular System. San Francisco, CA May 6-8 2009 “Updates on the Treatment of Solid Cancers with Radiotherapy”
9. Joint International Oncology Congress. San Francisco, CA. May 27-29, 2013: Ocular Melanomas
10. 2nd Annual Barrow Neuro-Oncology Symposium. Phoenix, AZ. Sept 13-15, 2013 Adjuvant Therapeutic Strategies for CNS Metastases
11. ENT in the desert- Discussant on Laryngeal Cancer Ventana Canyon Resort, Tucson , AZ -2/27/14
12. 3rd Annual Barow Neuro-Oncology Symposium. Phoenix, AZ November 9, 2014 Advances in the adjuvant treatment of Brain Metastases with Targeted therapies

SERVICE (last 10 years)

**Teaching-College of Medicine
Classroom teaching
2008-2014**

Internal Medicine Residency Core Lecture: Principles of Radiotherapy (June 9, 2008)

Lecturer, Cancer Block “Principles of Radiation Oncology”
Class of 2010-Spring Semester 2008

CBI Facilitator-Cancer Block Feb-March 2008

Neurosurgery Resident Core Lecture: Brain Metastases (Nov 26, 2008)

Lecturer, Cancer Block-Spring Semester 2009
Principles of Radiation Oncology

Lecturer, Cancer Block-2nd Year Medical Students-Spring Semester 2010
Principles of Radiation Oncology

Lecturer, Neurosurgery Residents Didactic Talk: Treatment of Trigeminal Neuralgia with
Stereotactic Radio-Surgery (6/23/10)

Lecturer, Neurosurgery Residents Didactic Lecture: Treatment of Meningiomas with Radiation
Therapy (8/25/10)

Cancer Biology 593, AZCC, Jan 21, 2011
Introduction to Radiotherapy

Core Lecture – UofA Neuro-Surgery Residents, Feb 16, 2011
Treatment of Meningiomas

Cancer Block - 2nd Year Medical Students, April 12, 2011

Core Lecture-Division of Neurosurgery
Principles of radiosurgery- Nov 30, 2011

Second year med students-cancer block
Principles of radiation therapy, April 3, 2012

Cancer Biology Class 561
Principles of Radiation Therapy- March 5, 2013

College of Medicine, University of Arizona, Cancer block lecture
Introduction to Radiation Therapy- April 2, 2013

College of Medicine, Dept of Radiation Oncology, University of Arizona
Radiobiology course for residents
Therapeutic ratio (June 24, 2013)

Resident lecture-Dept of Radiation Oncology, University of Arizona
Leadership and responsibilities July 8th, 2013

Resident lecture-Dept of Radiation Oncology, University of Arizona
Treatment of brain metastases July 22, 2013

Neurosurgery Residents lecture: Radiosurgery primer
University of Arizona, College of Medicine, Oct 31, 2013

College of Medicine , University of Arizona
Second year cancer block- Principles of Radiation Therapy; April 7, 2014

College of Medicine
Cancer Biology 561-Principles of Radiation Therapy- Jan 19, 2015

Elective Courses Clinical Teaching

2006

Instructor-LCC curriculum (Rachit Kumar, MSII)

2007

Instructor-LCC curriculum (Amanda McDowell, MSII)

Yearly Electives

RONC800A

RONC815A

RONC816D

RONC899

An average of 4-6 medical students enroll each year

Scholarly Outreach

Local/State

2001

Neuro-Oncology/Neurosciences Seminar Series “Brain Storms”. Coordinator of monthly seminars
Panel discussion on “Clinical Perspectives in Neuro-Oncology” (1/31/01)

Section of Hematology and Oncology (7/12)
Ortho Biotech Oncology Training Program - “Radiation Oncology Perspectives”

U of A College of Medicine – Neurology Grand Rounds (7/27)
“Advances in the Treatment of GBM”

Northwest Medical Center
Prostate Cancer Forum
“New Radiotherapeutic Approaches for Prostate Cancer (1/29)

Northwest Medical Center
Lung Cancer Forum
“New Approaches in the Treatment of Lung Cancer” (6/18)

Arizona Cancer Center
Radiation Oncology Primer for Data Managers (8/16)

University Medical Center
Community Internship Program
Educating Community Interns on the Role of Radiation in the Treatment of Cancer

Northwest Medical Center
Breast Cancer Forum
“Modern Approaches to the Treatment of Breast Cancer” (Sept 10)

Arizona Cancer Center
Lung Cancer Awareness Symposium
“Role of Radiation in the Treatment of Lung Cancer” (Nov 8)

2002

Arizona Cancer Center
Breast Cancer Forum
“Local-Regional Treatment of Breast Cancer (2/16)

2003

Arizona Cancer Center
Brain Tumor Support group
“The role of Gliosis in the Treatment of Brain Tumors” (3/4)

Department of Neurology Grand Rounds
“New Targets in the Treatments of Brain Tumors”

Brain Tumor Support Group, AZCC (Nov 1, 2003)
“What’s New in the Treatment of Brain Tumors?”

University of Arizona, College of Medicine
Department of Surgery Grand Rounds
“The Future of Radiation Oncology” (10/22/2003)

University Medical Center (Fall Semester)
Instructor for the Community Internship Program

Guest Lecturer
MCB 450A (Fall Semester, 2003)
Molecular Medicine

AZCC, Sanofi Preceptorship, Oct 2003
“Role of Radiation Therapy in Upper GI Malignancy”

2004

UMC friends, Tucson Country Club, Jan 2004
“Advances in the Diagnosis and Treatment of Cancer Dispelling Fears with Facts”

Arizona Cancer Center
Medical Oncology Fellowship Core Lectures
Radiobiology for the Medical Oncologist (2/23/2004)
Clinical Aspects of Radiation Oncology (3/1/2004)

Mini-Medical School Lecture, Feb 25 2004
University of Arizona
“Advances in the Diagnosis and Treatment of Cancer”

AstraZeneca Preceptorship
Arizona Cancer Center
Role of Radiation in Lung Cancer (3/24/2004)

Arizona Radiological Society Meeting
“Technological Advances in Radiation Therapy” (5/22/2004)

Cancer Biology Class (Dr Scott Ebbinghaus) (10/20-22/2004)
Radiation Therapy for Lung Cancer

UMC Public Forum with Dr Abhay Sanan (11/20/2004)
Treatment of Trigeminal Neuralgia with Radiosurgery

TMC Public Awareness Lecture on Lung Cancer with Dr Linda Garland
Advances in the Treatment of Lung Cancer (11/20/2004)

2005

AZCC Hem/Onc Fellows Core Lecture Series (1/10/2005)
General Principles of Radiation Therapy

AZCC Hem/Onc Core Lecture Series (1/24/2005)
Treatment of Primary and Metastatic Brain Tumors

AZCC Grand Rounds (2/7/2005)
Technological Innovations in the Treatment of Cancer

AZCC Breast Cancer Support Group (4/8/2005)
A Phase III Randomized Study of Whole Brain Radiation Therapy with Supplemental Oxygen,
with and without Efavoxiral in Women with Brain Metastases from Breast Cancer

Dermatology Department Grand Rounds - University of Arizona (8/3/2005)
Treatment of Skin Cancer with Radiation Therapy

Department of Molecular and Cellular Biology – University of Arizona (8/30/2005)
Determinants of Radiation Resistance in Glioblastoma Multiforme

Cancer Biology course guest lecturer (10/21 and 10/28/2005)
Principles of Radiation Oncology, Physics and Radiobiology

Frontiers in Medical Research Seminar (11/8/2005) AZCC Kiewit
Glioblastoma Multiforme: From Bench to Bedside and Back

University of Arizona, College of Medicine, St George Society (11/9/2005)
Radiation Oncology - An Overview for Medical Students

AZCC Hematology Oncology Fellows Core Lectures (11/21 and 11/28/2005)
General Principles of Radiation Oncology

2006

University of Arizona, College of Medicine, Neurology/Neurosurgery Grand Rounds (1/6/06)
“New approaches to the Treatment of Brain Metastases”

University of Arizona, College of Medicine, Neurology/Neurosurgery Grand Rounds (4/14/2006)
“Evidence-based Combined Modality Therapy of Gliomas”

University of Arizona, College of Medicine, Neurology/Neurosurgery Grand Rounds (8/4/06)

“Radiosurgical Treatment of Trigeminal Neuralgia”

University of Arizona, College of Medicine, Surgery Grand Rounds (8/16/06)
“Emerging and Novel Radiotherapeutic Techniques in the Treatment of Cancer”

Southern Arizona VA Hospital-Dept Pathology (9/7/2006)
“What’s New in the Treatment of GBM?”

Hematology and Medical Oncology Fellowship Core Lectures
“CNS Metastases” (9/11/2006)
“Primary Brain Tumors” (9/18/2006)

Cancer Biology Course - Guest Lecturer
“General Principles of Radiation Oncology” (9/13/2006)
“Novel Approaches to Treatment of GBM” (9/20/2006)

University of Arizona, College of Medicine, Neurology/Neurosurgery Grand Rounds (12/8/2006)
“Treatment of Meningiomas”

2007

Organizer/Lecturer: Workshop on Malignant Gliomas
AZCC, 3/17/2007

Speaker, Trigeminal Neuralgia Association, Tucson (Nov 17, 2007)
“Stereotactic Radiosurgery for TGN”

2008

Invited Speaker: Brain Tumor Support Group, AZCC (Jan 9, 2008)
“Updates in the Treatment of Brain Tumors”

Faculty: An Interactive Case-Based Discussion on the Management of Skin Cancer
University of Arizona, AZCC; April 19, 2008

Mayo Clinic, Scottsdale Grand Rounds, April 24, 2008
“Clinical Programs and Basic Research in Radiation Oncology at the University of Arizona”

2008) Organizer 2nd Annual Arizona Brain Tumors Cooperative Group Meeting , Phoenix, AZ (May 2,

Pueblo Speaker/Participant in “Vida” The 3rd Annual Mujer Latina Breast Cancer Conference at Old
Community Center, Tucson, AZ (Oct 25, 2008)
“The Role of Radiation Therapy in the Treatment of Breast Cancer”

2009

Neurology Grand Rounds “Updates on the Treatment of Brain Metastases” UMC, 1/23/09

Cancer Biology Program, Course 561: Principles of Radiotherapy (2/9/09)

(3/25/09) Neurology Residents Core Lecture: Local and Systemic Therapy of Malignant Brain Tumors

AZCC-UMC North: Radiation Therapy Updates (Oct 13, 2009)

2010

Medical Toxicology Fellowship - Department of Emergency Medicine Radiation Poisoning

AZCC - Novartis Presentation: Radiotherapy for Breast Cancer (May5, 2010)

HemeOnc Weekly Scientific Conference: Treatment of Brain Metastases from Lung Cancer with Radiation and Tarceva: Results of a Phase II Study. UMC North Oct 5, 2010

2011

Skin Cancer: Radio-Therapeutic Approaches
Department of Medicine Grand Rounds, March 3, 2011

New Approaches for the Treatment of Skin Cancer
Dermatology Lecture at AZCC-UMCN, March 11, 2011

Disaster in Japan – Radiation and Health
University of Arizona – Centennial Hall Public Lecture, March 29, 2011

Multimodality Treatment of Complex Skull Base Tumors (Lemole, Chiu, Stea)
Hacienda del Sol, March 31, 2011

2012

Treatment of Skin Cancer
Arizona Cancer Center (9/18/12)

Biomarkers of radiation response
Collaborative Cancer center Grand Rounds- Kiewit auditorium (Aug 3, 2012)

Recent Advances in Radiation Therapy
Surgery Grand Rounds U of A (Oct 17, 2012)

Brain Metastases: current approaches
Neurology/Neurosurgery Grand Rounds (Nov 16, 2012)

2013

Principles of Radiosurgery
Pediatric Oncology Grand rounds (May2, 2013)-UAMC

Adjuvant therapeutic strategies for CNS metastases
Hem/Onc Scientific conference, AZCC July 30, 2013

Treatment of high grade Gliomas with Radiation
Neuro-oncology tumor board, AZCC, Aug 1st, 2013

Choroidal Melanoma
Hem-Onc scientific Grand rounds UACC Oct 1, 2013

2014

Radiotherapy options for skin cancer
Rancho Vistoso Community lecture (Jan8, 2014)

Results of radiotherapy for malignant brain tumors
Neurology/Neurosurgery Grand Rounds UAMC (Feb 7, 2014)

Treatment of Trigeminal Neuralgia with SRS

Annual meeting of the TN society of southern Arizona (Nov 8, 2014)

The Role of Radiation in the treatment of non-melanomatous skin cancer
Genetech Sales workforce (Nov 20, 2014)

2015

Genentech Group
Radiation therapy for skin cancer (Feb 12, 2015)

Invited Speaker National/International

ASTRO Refresher Course Lecturer – CNS Neoplasms 1989, 1990

“Translational Research Opportunities in Neuro-Oncology”
Lee Moffitt Cancer Center, Tampa, Fl (May 27, 2003)

Mater Dei Oncologic Hospital, University of Bari (Italy) - Visiting Professor
“New Developments in the Treatment of Cancer with Radiotherapy” (June 22, 2004)

46th Annual ASTRO Meeting, Atlanta, GA, Oct 3-7, 2004;
Moderator Brain Tumor Session

Allos Global Investigators Meeting at the 47th ASTRO Meeting in Denver, CO, Oct 18, 2005
“The University of Arizona Experience with Efavoxyn as A Radiation Sensitizer”

MGI Pharma NeuroOncology National MSL Meeting, Scottsdale AZ
“Adjuvant Treatment of Glioblastoma Multiforme” (March 4, 2008)

The 21st Annual Epilepsy Update, Saturday, Nov. 8, 7 a.m.-4 p.m., Kiewit Auditorium AZCC
“The Role of Radiosurgery in the Treatment of Epilepsy”

Speaker at the 3rd International Symposium on Cancer Metastases and the Lymphovascular
System: Role of Radiation in the Control of Locoregional and Metastatic Cancer. May 2009, San
Francisco, CA

Speaker at the 4th International Symposium on Cancer Metastases and the Lympho-vascular
System: Basis for Rational Therapy – May 12-14, 2011, New York, NY

Speaker at the 54th annual ASTRO meeting: Tribute in honor of Dr J. Robert Cassady, ASTRO
gold medal recipient. Boston, MA (Oct 30th, 2012)

Co-Moderator- Oral Scientific session: CNS-Brain Metastases
ASTRO 55th Annual meeting, Atlanta, Georgia. Sept 24, 2013

Organizer, World Congress of Lymphology
San Francisco, Ca September 2015

Citizenship

Intramural

Departmental

1997	Chair, Search Committee for Chief Physicist Department of Radiation Oncology
1997	Chair, Search Committee for Clinical Faculty Department of Radiation Oncology
1999-present	Member, Departmental Administrative Committee
2000-present	Member Search Committee for medical physicist
2001-present 2001	Member Search Committee for physician faculty member Chair, Internal Review Committee for Academic Program Review
2003	Chair, BrainLab-Novalis Planning Committee

College/UMC/UPH Committees

1993-1995	Interviewer for medical student applicants College of Medicine
1993	Medical Records Committee University Medical Center
1993-1998	Case Review Committee University Medical Center
1993	Utilization Review Committee University Medical Center
1993	PET Steering Committee University Medical Center
1995-1996	Hematology/Oncology Service Team University Medical Center
1995-1996	Member, Resources Working Group (Comprehensive Curriculum Analysis and Planning Project) College of Medicine
1995-1999	Member, UMC/UPI Utilization Management Subcommittee
1996-1997	Acting At-Large Member, UPI Board of Directors
1996-1997	Co-chair, Longitudinal Clinical Component of the Medical School Curriculum (Appraisal Task Force) University of Arizona College of Medicine
1996-1998	Member, Steering Committee, Curriculum Planning University of Arizona College of Medicine
1996-1997	Member, Sub-committee Self Study Task Force, LCME Accreditation Visit University of Arizona College of Medicine
1999-2002	Member, UMC/UPI QI Committee University Physicians, Inc.

	1999-2001	Secretary-Treasurer Medical Executive Committee University Medical Center
	1999-2003	Member, Student Progress Committee University of Arizona College of Medicine
	2000	Reviewer Pediatric Oncology Program University of Arizona College of Medicine
	2001	Reader/evaluator of medical students case write-ups Preparation for clinical medicine College of Medicine
	2001-present	Member, Medical Executive Committee
	2002-2003	Chair, Recruitment Committee for Head Physics Section and clinical faculty members
	2002-present	Council of Department Heads
	2003-06	Chair, Nominating Committee College of Medicine
	2003	Search Committee Director of the Arizona Cancer Center
	2003	Member, Committee for Academic Program Review Department of Surgery
Pediatrics	2005	Member, Search Committee for head of the Hem/Onc division, Department of
	2005-present	Member Executive Committee-AZCC
	2006	Interviewer for Medical Students applicants
	2006	Marshall, White Coat ceremony for medical students
	2006	Review Committee for Dept Head of Orthopedics
	2006-present	Mentor, Community Internship Program
	2006-present	Member-UPH Faculty Practice committee
	2006-2007	AZCC-UMC Working Group
	2007-present	Faculty Practice Financial Oversight Sub-Committee
	2007	Member, Receivership Committee, Dept Radiology
	2008	Clinical Operations Executive Committee-AZCC
	2009	Chair, Search Committee, Associate Dean for Student Affairs

College of Medicine

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| 2010 | Member Academic Program Review Committee for the Department of Surgery (April 1-2, 2010) |
| 2010 | Member Search Committee Chief Scientific Officer, AZCC |
| 2010 | UMC Oncology Services Department/Program Quality Safety Plan |
| 2010-present | Member, Oncology Clinical Process Improvement Committee |
| 2011 | Member, Selection committee for Founder day speaker |
| 2011 | Member, 5 year internal review of Dr Fayeze Gishan |
| 2012 | Member, Academic Program Review -Department of Orthopedics (Jan 14-15) |
| 2015 | Member- Faculty Affairs Committee |

University Committees

- | | |
|------|---|
| 2001 | University of Arizona, Member, Molecular Neuroscience Planning Committee for the Institute of Biomedical Sciences and Biotechnology |
|------|---|

Other Committees

- | | |
|--------------|---|
| 1994-2000 | Scientific Review Committee
Arizona Cancer Center |
| 2000-present | Program Leader
Neuro-Oncology Program and Tumor Board
Arizona Cancer Center |
| 2006 | Member Search Committee for Chair of Breast Cancer Translational Research |
| 2006 | Communication and Culture Working Group for the CoM Phoenix Campus |
| 2007 | Strategic Planning Group for UMC North Campus Development |
| 2008 | Clinical Operations Executive Committee, AZCC |
| 2011 | Studer Group |

Extramural

- | | |
|--------------|--|
| 1993-present | <u>Editorial responsibilities for:</u>
<i>Cancer Research</i>
<i>Journal of the National Cancer Institute</i>
<i>The International Journal of Radiation Oncology, Biology, Physics</i>
<i>The Journal of Radiosurgery</i>
<i>Cancer: International Journal of the American Cancer Society</i>
<i>Journal of Clinical Oncology</i>
<i>Editorial Board: Conference Papers in Oncology</i> |
|--------------|--|

1993-1994	Membership Committee Radiation Research Society
1993-1995	Reviewer for the Department of Technology Assessment American Medical Association
1993-present	Peer Review Activity Arizona Hospital Association <i>Physician Review Network</i>
1995-1997	Secretary/Treasurer Arizona Radiation Oncology Society
1996-1998	Member, Radiation Safety Committee Tucson Medical Center
1996-1997	Member, Clinical Item Writing Task Force for Radiation Oncology (Bone/Soft Tissue Topics) American Board of Radiology
1996-1998	Program Director Committee Arizona Council for Graduate Medical Education
1996-1998	Chairman, Professional Advisory Board Dignita Hospice Care, Tucson, AZ
1998-2000	Member, Professional Advisory Board Odyssey Health (formerly Dignita Hospice Care)
1998-2000	Member, Steering Committee Price Waterhouse/UPI Project
1999-present	Member, Hospice Advisory Committee Tucson Medical Center
2000-	Preferred Specialist Consultant Intergroup of Arizona, Inc.
2000-	Member, Northwest Medical Center Cancer Committee Northwest Medical Center, Tucson
2000	Chair, Task Force on “Body Stereotaxy End Points”, Outcomes Research Committee, 42 nd Annual ASTRO Meeting, Boston, MA, October 22-25, 2000.
2001	Radiation Therapy Modality Coordinator for SWOG Protocol 0014 “Evaluation of CHOP, Rituximab and Involved Field Radiotherapy for Stages I, IE, and Non-Bulky Stages II/IIE, CD20 Positive, High Risk Non-Hodgkin’s Lymphoma, a Phase II Study”
2002-2004	Radiation Therapy Modality Coordinator for SWOG Protocol S0313 “Evaluation of CHOP plus Involved Field Radiotherapy Followed by Yttrium- 90 Ibritumomab Tiuxetan for Stages I, IE, and Non-Bulky Stages II and IIE, CD20 Positive, High-Risk Localized, Aggressive Histologies of Non-Hodgkin’s Lymphoma, Phase II.
2004-2008	ASTRO Education Committee Member

2004-2006	Society of Neuro-Oncology Awards Committee
2006	ALLOS Officers Educational Meeting-Clinical Overview of Brain Metastases
2008-2009	American Board of Radiology - Oral Board Examiner
2011	ASTRO Annual meeting- Abstract reviewer
2011	ASTRO 53 rd annual meeting Co-moderator Session SS1 (CNS non-malignant diseases) Oct 4th, 2011, Miami Beach, Fl
2012-present	ABR-category 07 – CNS/Pediatric committee co-chair for qualifying and certifying exam
2012-present	ABR-item writer for CNS/Pediatric committee
2013	ASTRO 55 th Annual meeting- Scientific Abstract reviewer-CNS track (Chair: Dr Laurie Gaspar)
2013	ABR-Oral board examiner for CNS and Pediatrics-Louisville, KY (June 2013)
2012	Joint International Oncology Congress San Francisco, CA (May27-29, 2013) Executive Planning Committee member
2013	Joint International Oncology Congress, San Francisco, CA Abstract reviewer
2013	Member of the Editorial Board (by invitation) of the Journal of Radiotherapy
2013	Panel discussant: “Enhancing High-Priority Clinical Research” UACC-Oct 4, 2013
2014-15	Organizing Committee World Congress of Lymphology- San Francisco, CA September 2015

Grants and Contracts

Federal

1. Co-investigator (10% effort) in NIH Program Project Grant (Eugene Gerner, Ph.D., PI). Heat radiation and drugs in cancer therapy. Total direct costs: 1987-88 \$588,572; 1986-90 direct costs: \$2,065,716.
2. Co-investigator (10% effort) in NIH #2RO1 CA39468-04 (Tom Cetas, Ph.D., PI). Hyperthermia by surgically placed ferromagnetic implants. Total direct cost for fiscal year 1988-89: \$368,451. Total 5-year cost: \$1,714,920.
3. Co-investigator (15% effort) in Radiation Therapy Oncology Group NCI Grant #CA21661 (J.R. Cassady, M.D., PI) Total direct costs: 1991-92 \$6,000 (yearly grant, reimbursement is assessed on a per capita basis).
4. Co-investigator (5% effort) in Arizona Cancer Center Support Grant NCI #5-P30-CA23074-15 (Sydney Salmon, M.D., PI) direct costs: 1989-93 \$6,143,161.
5. Co-investigator (5% effort) in NCI RO1 CA48939 (K. Hynynen, Ph.D., PI) Intracavitary hyperthermic system. Total direct costs: 1991-92, \$185,575.

6. Co-investigator (5% effort) NIH RO1 CA30052-11 (Eugene Gerner, Ph.D., PI) Biochemical mechanisms of cellular stress responses. Total direct costs: 1992-93: \$123,671, 1992-96, \$519,855.

State

7. Principal Investigator in Biomedical Research Support Grant, #2507 RR05675. The role of polyamines in the repair of radiation induced damages. University of Arizona Cancer Center, 1987-1988. Total 1 year cost \$5,000.
8. Principal Investigator in Institutional Cancer Research Grant, (ACS), #IN110. Halogenated purines as non-hypoxic cell radiosensitizers. University of Arizona, 1988. Total 1 year cost \$5,000.
9. Co-investigator (2.5% effort) in Arizona Disease Control Research Commission Grant (Evan Hersh, M.D., PI)
“Treatment of brain Tumors with glioblastoma Cell-Derived Antigens (Cell Products) Pulsed into Dendritic Cells or Dexosomes”. Two years – total direct and indirect costs 2001-2002= \$349,182.
10. Principal Investigator in University of Arizona Foundation Small Grants Program, “Signal Transduction pathway Inhibition: Novel Treatment Approach for Malignant Astrocytomas”, 2001-2002. Total 1 year cost \$15,000.

Private Foundations

11. Principal Investigator in Flynn Foundation Award. Mechanisms of radiation resistance in brain tumor cells in vitro, 1987-1988. Total 1 year cost \$20,000.
12. Co-investigator (10% effort) in American Cancer Society Grant PDT-310 (N. Guthkelch, M.D., PI). Hyperthermia and radiation in the treatment of brain tumors, 1989-91. Total 3-year cost: \$300,000.
13. Co-investigator (5% effort) Southwest Oncology Group Grant #CA13612-19 (T. Miller, M.D., PI) Total direct costs: 1991-92 \$159,471 (yearly grant).
14. Principal Investigator in American Cancer Society Clinical Oncology Career Development Award. (#89-191), 1989-92. Total 3-year cost: \$90,000.
15. Co-investigator (10% effort) in American Cancer Society Institutional Research Grant 91-0080 (A. Hamilton, MD, PI) “Development of a prototype device for spinal radiosurgery. Total 1 year cost (1991-92) \$10,000
16. Principal Investigator in The Friends of Arizona Cancer Center 1992 Secret Garden Award “Mechanisms of radiation resistance in human brain tumors”, \$34,000.
17. Co-investigator (5% effort) in Brain Tumor Society grant (Evan Hersh, MD PI) Dendritic and dexosome interactions with glioblastoma multiforme. Two years total direct costs (2001-2002) \$99,711
18. Principal investigator: The Brown’s family foundation, “Image guided radiation therapy for lung cancer” One year total direct cost: \$100,000 (July 2004-June 2005)
19. Co-PI (Marlys Witte, MD) in Better than ever Foundation Pilot Grant “Efficacy of Amifostine in Preventing and minimizing limb swelling and promoting wound healing in a rodent model of cancer-related lymphedema: a pilot pre-clinical trial”. Two year direct cost \$29, 800/year (7/1/07-6/30/08)
20. PI-BTE foundation Pilot grant: Amifostine Radioprotection Without Tumor Protection: In Vivo and In Vitro Studies with MCF-7 Human Breast Cancer Cell Line. One year direct cost: \$25,000 (7/1/2008-6/30/2009)
21. Co-PI with Marlys Witte in BTE Foundation grant: Incidence of Lymphedema in patients with breast cancer. One year direct cost: \$40,000 (8/1/09-6/31/10)

Industry

22. Principal Investigator: Allos Therapeutics unrestricted grant “Signal transduction inhibition in glioblastoma multiforme” \$ 10,000 (2001)
23. Principal Investigator: Allos Therapeutics unrestricted grant “Mechanism of action RSR-13 radiosensitization” \$5,000 (2002)
24. Principal Investigator for Allos Therapeutics, Inc

- Phase II Non-small cell Lung Cancer protocol. One year total direct cost (1999-00) \$49,300
Phase II Glioblastoma Multiforme protocol. One year total direct cost (1999) \$12,800
Phase II Brain Metastases protocol. Two year direct cost (1998-99) \$59,524
Phase III Brain Metastases protocol. Ongoing study since 2000. \$95,535
25. Educational Grant -Aventis (2004) \$5,000
 26. Unrestricted Educational grant- Proxima Therapeutic (2005)--\$2,500
 27. Unrestricted educational grant for the AZ Brain Tumor collaborative group meeting – Mgi Pharma (2008)--\$5,000

Contracts

28. Principal investigator (5-10% efforts) in various RTOG protocols (2006-present). Total direct cost : reimbursement varies from year-to -year depending on patient accrual).
29. Co-Investigator (3% efforts)- SWOG institutional grant for the AZCC (2004-present)
30. PI in various RTOG protocols (see below); total direct cost 2009-2010 \$36,000
31. Co-PI in Better-than-Ever Pilot Grant (AZCC Division of Women’s Cancers)- Efficacy of Amifostine in preventing and minimizing limb swelling and promoting wound healing in a rodent model of cancer treatment-related lymphedema. A pilot pre-clinical trial \$25,000 (2007)

Student Teaching and Mentoring

Research (last 5 years)

Megan O’Meara, medical student, Class of 2004. “Loss of Maspin gene expression in ductal carcinoma in situ of the breast” (summer 2001)

Heather Glanzberg, class of 2005. “Enhancement of breast cancer treatment by combining radiation therapy with signal transduction inhibitors”. Summer 2002

Jay Patel, class of 2005. “Radiosensitization of glioblastoma through inhibition of multiple signal transduction pathways”. Summer 2002

Aaron A Ambrad, MD (resident). Mechanism of action of the radiosensitizing effect of ZD1839 (2003)

Arash Gabayan, MD (resident). Gliasite radiotherapy system for treatment of recurrent gliomas (2004)

Jim Welsh, MD (resident); Tarceva and radiation for brain metastases from NSCLCa (2004-present)
MP470 as a radiation sensitizer (2006-07), Gliasite for primary GBM (2005-06)

Rachit Kumar, MS II- Differential expression profiles of recurrent GBM’s (2006-present)

Kazumi Chino, MD (Rad Onc resident): Treatment of orbital Lymphoma with Novalis (2006)

Ron Ellsworth, MSII- Role of Stem Cells in radiation resistant GBM’s (2007)

Ana Lichtacheva, MSIV- Treatment of brain metastases with resection and gliadel wafers or SRS (2008)

Kurt Wharton, MD (resident): Fractionated Stereotactic Radiotherapy of Paraspinal Tumors (2009)

Anand Desai, MD (resident): Frameless Stereotactic Radiosurgery (SRS): Outcomes for Trigeminal Neuralgia (2010)

David Vonk, MD (resident): Choroidal Melanoma (2011)

Benjamin Slane, MD (resident): Vestibular Schwannoma (2011)

Tina Skrepnik, MSII: SBRT for Melanoma (2011-13)

Wyatt Unger, MSIV: Response of Brain Metastases to RT plus Tarceva (2011)

Michael Cheung, MD: Cavity directed radiosurgery and treatment of skin cancer (2013)

Nitin Prabhakar (MS I)-faculty sponsor for ASCO educational grant-Hem/Onc medical student club (2015)

Investigator Initiated Protocols

1) Co-PI: Diffusion-Weighted MRI Imaging and MRS to Distinguish between Radiation Induced Necrosis and Recurrent Disease in Gliomas and Metastatic Brain Tumors - A protocol in collaboration with Dr. Lars Ewell (Dept of Radiation Oncology-UA) Completed

2) Co-PI with Dr. Badruddoja: Treatment of Recurrent GBM with Metronomic Temozolomide plus Avastin

Industry Sponsored Protocols-Completed

1) PI - A Phase II, Double-Blind, Placebo-Controlled Study of the Safety and Preliminary Effectiveness of MTS-01, for the Prevention of Alopecia Induced by Whole Brain Radiotherapy (MITOS 02-03). Opened 2008-March 2010; patients enrolled: 2, budget: \$23,800

2) PI - A phase II protocol of Tarceva and Whole Brain Radiation for Patients with Brain Metastases from NSCLCa (OSI Pharma). Opened 11/2006-2/2010, patients enrolled: 20, budget: \$40,000

3) PI – A phase II Multicenter, Exploratory Study, Evaluating the Treatment Effect of Surgery Plus GLIADEL Wafers in Patients with Matastatic Brain Cancer. Sponsor: Eisai. Opened April 2008-April 2010, patients enrolled: 2, budget: \$23,825

Industry Sponsored protocols-ongoing

1. Investigator: A randomized, double-blind, controlled phase IIb study of the safety and efficacy of ICT-107 in newly diagnosed patients with glioblastoma multiforme following resection and chemoradiation. Sponsor: ImmunoCellular Therapeutics (Averion); Woodlands Hills, CA

2. Investigator: An International, Randomized, Double-Blind, Controlled Study of Rindopepimut/GM-CSF with Adjuvant Temozolomide in Patients with Newly Diagnosed, Surgically Resected, EGFRvIII-positive Glioblastoma (CDX110-04) (The “ACT IV” Study); Sponsor: Celldex therapeutics, Inc. Needham, MA

3. Investigator: Clinical Study Protocol M10-897; A Randomized, Double-Blind, Phase 2, Dose-Ranging Study to Evaluate the Safety and Efficacy of Veliparib and Whole Brain

Radiation Therapy versus Placebo and Whole Brain Radiation Therapy in Subjects with Brain Metastases from Non-Small Cell Lung Cancer. Sponsor: Abbott Laboratories. Abbott Park, IL

Group Sponsored Protocols-completed

RTOG 0525: A Phase III Trial Comparing Conventional Adjuvant Temozolomide with Dose-Intensive Temozolomide in Patients with Newly Diagnosed Glioblastoma Multiforme. Opened: April 2007; recently closed to accrual - but still open for patient follow-up. Accrual: 4 patients, budget: \$8,000

RTOG 0513: A Phase I/II trial of temozolomide, motexafin gadolinium, and 60 Gy fractionated radiation for newly diagnosed supratentorial glioblastoma multiforme. Opened for accrual: Oct 2006, closed July 2009. Accrual: 4 patients, budget: \$8,000

RTOG 0625: A Randomized Phase II Trial of Bevacizumab with Irinotecan or Bevacizumab with Temozolomide in Recurrent Glioblastoma

RTOG 0627: Title of Project: Phase II Trial of Dasatinib in Patients with Recurrent Glioblastoma Multiforme. Open for accrual: July 2007. Accrual: 1 patient, budget: \$2,000

RTOG 0614: A randomized, phase III, double-blind, placebo-controlled trial of Memantine for prevention of cognitive dysfunction in patients receiving whole-brain radiation; open for accrual Nov 2008-present. Accrual: 10 patients, budget: \$20,000

Group Sponsored Protocols-ongoing

1. **RTOG 0539** PHASE II TRIAL OF OBSERVATION FOR LOW-RISK MENINGIOMAS AND OF RADIOTHERAPY FOR INTERMEDIATE AND HIGH-RISK MENINGIOMAS

2. **RTOG 0837** RANDOMIZED, PHASE II, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL OF CONVENTIONAL CHEMORADIATION AND ADJUVANT TEMOZOLOMIDE PLUS CEDIRANIB VERSUS CONVENTIONAL CHEMORADIATION AND ADJUVANT TEMOZOLOMIDE PLUS PLACEBO IN PATIENTS WITH NEWLY DIAGNOSED GLIOBLASTOMA

3. **RTOG 0933** A PHASE II TRIAL OF HIPPOCAMPAL AVOIDANCE DURING WHOLE-BRAIN RADIOTHERAPY FOR BRAIN METASTASES

Peer reviewed grants

1. CCSG Basic/Clinical Partnerships Grant Committee: A novel radiation-sensitizing agent for treatment of glioblastoma multiforme (GBM)-Eric Weterings PI- \$ 30,000 (June 2013-14).
Role: co-PI

Pending grants

(Last updated July 23, 2015)

